

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2016 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan ☐ a DFE (specify) ____		
B	This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ▶ ☐		
D	Check box if filing under:	☒ Form 5558 ☐ special extension (enter description)	☐ automatic extension ☐ the DFVC program

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>IBM PERSONAL PENSION PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>001</u>
		1c	Effective date of plan <u>09/01/1945</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u> <u>NEW ORCHARD ROAD, MD 261</u> <u>ARMONK, NY 10504</u>	2b	Employer Identification Number (EIN) <u>13-0871985</u>
		2c	Plan Sponsor's telephone number <u>800-796-9876</u>
		2d	Business code (see instructions) <u>541519</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	09/28/2017	GREGG NELSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE
Preparer's name (including firm name, if applicable) and address (include room or suite number)			Preparer's telephone number

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN	
		3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report:		4b EIN	
a Sponsor's name		4c PN	
5 Total number of participants at the beginning of the plan year		5	287809
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).			
a(1) Total number of active participants at the beginning of the plan year.....		6a(1)	40266
a(2) Total number of active participants at the end of the plan year		6a(2)	34732
b Retired or separated participants receiving benefits.....		6b	148742
c Other retired or separated participants entitled to future benefits		6c	71756
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d	255230
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e	26563
f Total. Add lines 6d and 6e		6f	281793
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)		6g	
h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested		6h	0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....		7	
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1A 1C 1I 3H 3J			
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:			
9a Plan funding arrangement (check all that apply)		9b Plan benefit arrangement (check all that apply)	
(1) ☒ Insurance		(1) ☐ Insurance	
(2) ☐ Code section 412(e)(3) insurance contracts		(2) ☐ Code section 412(e)(3) insurance contracts	
(3) ☒ Trust		(3) ☒ Trust	
(4) ☐ General assets of the sponsor		(4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)			
a Pension Schedules		b General Schedules	
(1) ☒ R (Retirement Plan Information)		(1) ☒ H (Financial Information)	
(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary		(2) ☐ I (Financial Information – Small Plan)	
(3) ☒ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		(3) ☒ <u>1</u> A (Insurance Information)	
		(4) ☒ C (Service Provider Information)	
		(5) ☒ D (DFE/Participating Plan Information)	
		(6) ☐ G (Financial Transaction Schedules)	

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2016 Form M-1 annual report. If the plan was not required to file the 2016 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <hr/> <small>Department of Labor Employee Benefits Security Administration</small> <hr/> <small>Pension Benefit Guaranty Corporation</small>	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500. ► Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 <hr/> 2016 <hr/> This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning **01/01/2016** and ending **12/31/2016**

A Name of plan IBM PERSONAL PENSION PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 INTERNATIONAL BUSINESS MACHINES CORPORATION	D Employer Identification Number (EIN) 13-0871985	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier
PRUDENTIAL INSURANCE COMPANY OF AMERICA

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
22-1211670	68241	030553		01/01/2016	12/31/2016

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	300814732

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶**b** Premiums paid to carrier**6b****c** Premiums due but unpaid at the end of the year**6c****d** If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount**6d**

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
 (3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
 (3) ☒ guaranteed investment (4) ☐ other ▶

b Balance at the end of the previous year **7b** 0

c Additions: (1) Contributions deposited during the year **7c(1)**
 (2) Dividends and credits..... **7c(2)**
 (3) Interest credited during the year..... **7c(3)**
 (4) Transferred from separate account..... **7c(4)**
 (5) Other (specify below)..... **7c(5)**

(6) Total additions **7c(6)** 0**d** Total of balance and additions (add lines **7b** and **7c(6)**). **7d** 0**e** Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year **7e(1)**
 (2) Administration charge made by carrier..... **7e(2)**
 (3) Transferred to separate account..... **7e(3)**
 (4) Other (specify below)..... **7e(4)**

(5) Total deductions **7e(5)** 0**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**)..... **7f** 0

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
b ☐ Dental
c ☐ Vision
d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
f ☐ Long-term disability
g ☐ Supplemental unemployment
h ☐ Prescription drug
i ☐ Stop loss (large deductible)
j ☐ HMO contract
k ☐ PPO contract
l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3))		9a(4)	0
b Benefit charges (1) Claims paid	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2))		9b(3)	0
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	0
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount. Specify nature of costs.	10b	

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan <u>IBM PERSONAL PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u>	D Employer Identification Number (EIN) <u>13-0871985</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2016</u>	
2 Assets:	
a Market value	2a <u>51715904208</u>
b Actuarial value	2b <u>51715904208</u>
3 Funding target/participant count breakdown	(1) Number of participants (2) Vested Funding Target (3) Total Funding Target
a For retired participants and beneficiaries receiving payment	<u>171574</u> <u>31319578260</u> <u>31319578260</u>
b For terminated vested participants	<u>75969</u> <u>4242437363</u> <u>4242437363</u>
c For active participants	<u>40266</u> <u>5130457872</u> <u>5130457872</u>
d Total	<u>287809</u> <u>40692473495</u> <u>40692473495</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>5.91 %</u>
6 Target normal cost	6 <u>151040059</u>

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE		<u>09/11/2017</u>
	Signature of actuary	Date
<u>ALYSON J. SCHEFKIND</u>	Type or print name of actuary	<u>17-08379</u>
<u>TOWERS WATSON DELAWARE INC.</u>	Firm name	Most recent enrollment number
<u>335 MADISON AVE.</u> <u>NEW YORK, NY 10017</u>	Address of the firm	<u>212-309-3402</u>
		Telephone number (including area code)

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2016
v. 160205

Part II		Beginning of Year Carryover and Prefunding Balances	
		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	14000606129	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	14000606129	0
10	Interest on line 9 using prior year's actual return of <u>-0.73%</u>	-102204425	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		0
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.12%</u>		0
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c	Total available at beginning of current plan year to add to prefunding balance		0
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	13898401704	0

Part III		Funding Percentages	
14	Funding target attainment percentage	14	92.93%
15	Adjusted funding target attainment percentage	15	127.08%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	136.39%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV		Contributions and Liquidity Shortfalls	
18 Contributions made to the plan for the plan year by employer(s) and employees:			
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	
Totals ►		18(b)	0
		18(c)	0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
a Contributions allocated toward unpaid minimum required contributions from prior years	19a 0
b Contributions made to avoid restrictions adjusted to valuation date	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c 0
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year?	☐ Yes ☒ No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☐ Yes ☐ No
c If line 20a is "Yes," see instructions and complete the following table as applicable:	
Liquidity shortfall as of end of quarter of this plan year	
(1) 1st	(2) 2nd
(3) 3rd	(4) 4th

Part V	Assumptions Used to Determine Funding Target and Target Normal Cost		
21 Discount rate:			
a Segment rates:		1st segment: 4.43%	2nd segment: 5.91%
		3rd segment: 6.65%	☐ N/A, full yield curve used
b Applicable month (enter code)			21b 0
22 Weighted average retirement age			22 61
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			
Part VI	Miscellaneous Items		
24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No			
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No			
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No			
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.			27
Part VII	Reconciliation of Unpaid Minimum Required Contributions For Prior Years		
28 Unpaid minimum required contributions for all prior years			28 0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)			29 0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)			30 0
Part VIII	Minimum Required Contribution For Current Year		
31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)			31a 151040059
b Excess assets, if applicable, but not greater than line 31a			31b 0
32 Amortization installments:		Outstanding Balance	Installment
a Net shortfall amortization installment		0	0
b Waiver amortization installment		0	0
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount			33 0
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)			34 151040059
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	151040059	0	151040059
36 Additional cash requirement (line 34 minus line 35)			36 0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)			37 0
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)			38a 0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances			38b 0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)			39 0
40 Unpaid minimum required contributions for all years			40 0
Part IX	Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)		
41 If an election was made to use PRA 2010 funding relief for this plan:			
a Schedule elected ☐ 2 plus 7 years ☐ 15 years			
b Eligible plan year(s) for which the election in line 41a was made ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011			
42 Amount of acceleration adjustment			42 0
43 Excess installment acceleration amount to be carried over to future plan years			43 0

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2016
		This Form is Open to Public Inspection.

For calendar plan year 2016 or fiscal plan year beginning **01/01/2016** and ending **12/31/2016**

A Name of plan IBM PERSONAL PENSION PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 INTERNATIONAL BUSINESS MACHINES CORPORATION	
D Employer Identification Number (EIN) 13-0871985	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation LONE STAR GLOBAL ACQUISITIONS, LTD.

75-2787141

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation ADVENT INTERNATIONAL
--

04-2840139

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation OLYMPUS PARTNERS	ONE STATION PLACE STAMFORD, CT 06902
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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation LGT CAPITAL PARTNERS INC.

75-3151184

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

TPG-AXON PARTNERS GP, LP

20-1967352

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FARALLON CAPITAL MANAGEMENT, LLC

98-0467285

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PERRY CAPITAL

13-3486979

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

DAVIDSON KEMPNER CAPITAL MGMT, LLC

13-3863161

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

RENAISSANCE TECHNOLOGIES, LLC

26-0385758

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

TPG-AXON MANAGEMENT, LP

26-3295563

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

HELLMAN & FRIEDMAN LLC

38-3708132

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

ETON PARK CAPITAL MANAGEMENT, L.P.

11-3719116

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

ARDIAN

13-4067855

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

EUROPEAN SECONDARY DEV. FUND V

36-4758658

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

RHO VENTURES, LP

26-1508567

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

AQR CAPITAL MANAGEMENT, LLC

13-3987414

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

DAVIDSON KEMPNER ADVISERS, INC.

13-3594751

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

HARBOURVEST PARTNERS LP

74-3130888

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

WINDJAMMER MANAGEMENT PARTNERS, LP

37-1652215

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

EUROPEAN SECONDARY DEVELOP. FUND IV

98-0547145

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FREEMAN SPOGLI MANAGEMENT

26-4764285

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FORTRESS CREDIT OPPORTUNITIES III

1345 AVENUE OF THE AMERICAS
NEW YORK, NY 10105

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

STRATEGIC PARTNERS FUND SOLUTIONS

1133 WESTCHESTER AVENUE
NEW YORK, NY 10604

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

STARWOOD IX MANAGEMENT, LP

591 WEST PUTNAM AVENUE
GREENWICH, CT 06830

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PARTECH VENTURES

200 CALIFORNIA STREET
SUITE 500
SAN FRANCISCO, CA 94111

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

STARWOOD X MANAGEMENT, LP

591 WEST PUTNAM AVENUE
GREENWICH, CT 06830

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

LANDMARK EQUITY ADVISORS, LLC

10 MILL POND LANE
SIMSBURY, CT 06070

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

LANDMARK ADVISERS INC.

10 MILL POND LAND
SIMSBURY, CT 06070

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

LANDMARK REALTY ADVISORS, LLC

10 MILL POND LANE
SIMSBURY, CO 06070

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

WELSCH, CARSON, ANDERSON & STOWE

320 PARK AVENUE
SUITE 2500
NEW YORK, NY 10022

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

BLACKSTONE REAL ESTATE SPECIAL

26-4482131

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

BLACKSTONE REAL ESTATE DEBT

80-0883943

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PANAGORA

04-3063840

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

ADVANCED TECHNOLOGY VENTURES

26-0443806

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PERMIRA ADVISERS LLP

80 PALL MALL
LONDON, LONDON SW1Y 5ES GB

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

FARALLON CAPITAL OFFSHORE INVESTORS

98-0467285

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

VESTAR CAPITAL PARTNERS V, L.P.

98-0462742

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

PANTHEON VENTURES INC.

94-3047085

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

WARBURG PINCUS LLC

450 LEXINGTON AVENUE
NEW YORK, NY 10017

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

BRIDGEWATER ASSOCIATES, LP

ONE GLENDINNING PLACE
WESTPORT, CT 06880

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

BAIN CAPITAL PRIVATE EQUITY, LP

200 CLARENDON STREET
BOSTON, MA 02116

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

CINVEN PARTNERS LLP

5 PATERNOSTER SQUARE
LONDON, GREATER LONDON EC4M 7AG GB

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

BRIDGEWATER

13-2871809

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 99	PARTY-IN INTEREST	13037850	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

FESCO

04-3275867

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
14 50	PARTY-IN INTEREST	11579595	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

AEW CAPITAL MANAGEMENT

04-3329433

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 72	PARTY-IN INTEREST	7619587	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

JP MORGAN CHASE BANK, NA

13-4994650

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 51 99 28 52 50 62	PARTY-IN INTEREST	6918712	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

NISA INVESTMENT ADVISORS

48-1140940

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN INTEREST	5241543	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

IBM

13-0871925

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 50 51	PARTY-IN INTEREST	4726741	Yes ☒ No ☐	Yes ☐ No ☒	83335	Yes ☐ No ☒

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

TOWERS WATSON DELAWARE INC.

53-0181291

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11 51	PARTY-IN INTEREST	4784851	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

PIMCO

33-0629048

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 99	PARTY-IN INTEREST	4633867	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

CLARION PARTNERS LLC

13-3379970

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN INTEREST	4020054	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

JP MORGAN INVESTMENT MGMT

13-3200244

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 28 51	PARTY-IN-INTEREST	3852122	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

LOOMIS

04-3200030

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN-INTEREST	3621826	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

WELLS CAPITAL

95-3692822

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN-INTEREST	3525832	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

TWO SIGMA

35-2191456

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 68	PARTY-IN INTEREST	2944441	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

BLACKSTONE

13-3805280

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 99 51 61 72 52	PARTY-IN INTEREST	2243788	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

PRUDENTIAL

22-2540245

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN INTEREST	2226192	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MARATHON

ORION HOUSE 5 UPPER ST. MARTINS LANE
LONDON, LONDON WC2H 9EA GB

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 33 68	PARTY-IN-INTEREST	2187726	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

LOGAN CIRCLE

20-8262386

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN-INTEREST	2132618	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

HUDSON ADVISORS LLC

75-2578511

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
72	PARTY-IN-INTEREST	0	Yes ☒ No ☐	Yes ☐ No ☒	2017144	Yes ☐ No ☒

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

WESTERN ASSET MANAGEMENT

95-2705767

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN INTEREST	1977801	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

LOS ANGELES CAPITAL MGMT

02-0541198

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51 52 68	PARTY-IN INTEREST	1829660	Yes ☒ No ☐	Yes ☐ No ☒	85347	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

BLACKROCK INSTITUTIONAL TRUST COMP

94-3112180

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
21 24 28 50 51	PARTY-IN INTEREST	1837151	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VANBARTON

47-3887041

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN INTEREST	1774886	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

WELLINGTON

30-0835489

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN INTEREST	1742498	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

D.E.SHAW INVESTMENT MANAGEMENT LLC

20-2455619

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN INTEREST	1661105	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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(a) Enter name and EIN or address (see instructions)

MILLENIUM GLOBAL INVESTMENTS

57-59 ST. JAMES STREET CASSINI HOUSE
LONDON, LONDON SW1A 1LD GB

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN-INTEREST	1310668	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

FIRST QUADRANT

95-4562891

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN-INTEREST	1306763	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

WESTBROOK

13-3789438

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN-INTEREST	1290732	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

PANAGORA

04-3063840

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	1224266	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

DODGE & COX

94-1441976

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 68	PARTY-IN-INTEREST	1204794	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

GENESIS

21 KNIGHTSBRIDGE
LONDON, LONDON SW1X 2LY GB

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN-INTEREST	1198088	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

TIMES SQUARE CAPITAL

20-1665304

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51 52 68	PARTY-IN-INTEREST	1006038	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

LEGAL & GENERAL INV. MGMT. AMERICA

20-8058531

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN-INTEREST	981091	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ARROWSTREET CAPITAL

04-3472863

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	PARTY-IN-INTEREST	976593	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

WILLIAM BLAIR

47-2614791

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 68	PARTY-IN INTEREST	971976	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

BROOKFIELD INVESTMENT MANAGEMENT

13-3519673

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51 52	PARTY-IN INTEREST	894448	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

MORGAN STANLEY

13-2655998

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	PARTY-IN INTEREST	810270	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

ROCKPOINT

16-1679061

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 52 50 51	PARTY-IN INTEREST	807532	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

ACADIAN ASSET MANAGEMENT LLC

04-2929221

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN INTEREST	802782	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

GSAM

13-5108880

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52 28 56	PARTY-IN INTEREST	768286	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

BLACKROCK FINANCIAL MANAGEMENT, INC

13-3806691

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 70 16 99 49	PARTY-IN INTEREST	697543	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ALLIANCE BERNSTEIN L.P.

13-4064930

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 68	PARTY-IN INTEREST	672851	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

PRINCIPAL GLOBAL INVESTORS, LLC

801 GRAND AVENUE
DES MOINES, IA 50392-0490

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN INTEREST	667282	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VOYA

04-3516284

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13	PARTY-IN-INTEREST	597050	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

BANK OF NY MELLON

13-5160382

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
50 64	PARTY-IN-INTEREST	563080	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

INCOME RESEARCH

04-2955404

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN-INTEREST	556567	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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(a) Enter name and EIN or address (see instructions)

GROVE

98-0522863

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN INTEREST	485471	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ADELANTE CAPITAL MANAGEMENT

94-3219135

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51 52 68	PARTY-IN INTEREST	432471	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

GRESHAM COMMODITIES

20-1930384

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN INTEREST	429164	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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(a) Enter name and EIN or address (see instructions)

PORTFOLIO ADVISORS, LLC

06-1487853

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51 52	PARTY-IN INTEREST	415200	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

COHEN AND STEERS

13-3353336

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 68 51 52	PARTY-IN INTEREST	402087	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

BIVIMUM CAPITAL PARTNERS

04-3590261

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN INTEREST	358141	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

KOHLBERG KRAVIS ROBERTS & CO

9 WEST 57TH STREET
SUITE 4200
NEW YORK, NY 10019

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	353880	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

INVESCO ADVISERS INC

58-1707262

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN-INTEREST	284487	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

NEUBERGER BERMAN LEHMAN

02-0654486

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN-INTEREST	276024	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

PWC

13-4008324

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	PARTY-IN INTEREST	272000	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ANDERSEN TAX LLC

33-1197384

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10	PARTY-IN INTEREST	266329	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

APOLLO GLOBAL MANAGEMENT LLC

20-8880053

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28	PARTY-IN INTEREST	263276	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

VOYA INVESTMENT MANAGEMENT CO. LLC

02-0488491

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	240157	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

ICAP

03-0598064

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	223053	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

MERCER INVESTMENT CONSULTING INC.

61-0736136

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	PARTY-IN-INTEREST	222022	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

STONE HARBOR

20-3888589

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
28 51	PARTY-IN INTEREST	212991	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

DAVID G STIEBER PC

75-2799856

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29 50	PARTY-IN INTEREST	208348	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

FACTSET

13-3362547

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 16 50	PARTY-IN INTEREST	207522	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

LAZARD

30-0598495

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	197558	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

COLUMBIA MANAGEMENT

41-1533211

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51	PARTY-IN-INTEREST	178839	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ACA ADVISORS III, LLC

75-3266606

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
52	PARTY-IN-INTEREST	0	Yes ☒ No ☐	Yes ☐ No ☒	168306	Yes ☐ No ☒

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

BLOOMBERG

06-1818168

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15	PARTY-IN INTEREST	127625	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

GRANTHAM MAYO VAN OTTERLOO & CO

04-6566648

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 10 99 19 60 52 59 21	PARTY-IN INTEREST	127299	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

PAUL HASTINGS

95-2209675

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29 50	PARTY-IN INTEREST	125186	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

BARRA

94-2993326

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 99	PARTY-IN-INTEREST	108710	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

INSTITUTIONAL SHAREHOLDER SERVICES

06-1541449

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
99	PARTY-IN-INTEREST	100620	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

STARWOOD

06-1531830

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	73874	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

IVINS PHILLIPS & BAKER CHTD

52-1229560

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29	PARTY-IN-INTEREST	54693	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ITG

04-3108217

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
99	PARTY-IN-INTEREST	54528	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

MSCI INC.

13-4038723

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49	PARTY-IN-INTEREST	41079	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

ABRY PARTNERS

04-3597417

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	PARTY-IN-INTEREST	36638	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

ERNST AND YOUNG INDIA

29 SENAPATI BAPAT MARG 14 FLOOR THE RUBY, DADAR WEST
MUMBAI, MAHARASHTRA 400028 IN

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 51	PARTY-IN-INTEREST	31740	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

RUSSELL INVESTMENT GROUP

91-1175091

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
17 49 50	PARTY-IN-INTEREST	31610	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

THE BLUM FIRM

75-1765077

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
50	PARTY-IN INTEREST	24113	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

LYONS

13-3676659

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 50	PARTY-IN INTEREST	14284	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

IRON MOUNTAIN

23-2588479

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
14 50	PARTY-IN INTEREST	13247	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MARKIT GROUP

13-4153988

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
99	PARTY-IN-INTEREST	8912	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

PANTHEON

94-3047085

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
99	PARTY-IN-INTEREST	7875	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

WILSHIRE ASSOCIATES

95-2755361

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
16 50	PARTY-IN-INTEREST	6503	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
HUDSON ADVISORS LLC	72	156580
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR FUND VII 2711 NORTH HASKELL AVENUE DALLAS, TN 75204	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	
(a) Enter service provider name as it appears on line 2 HUDSON ADVISORS LLC	(b) Service Codes (see instructions) 72	(c) Enter amount of indirect compensation 539327
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR FUND VIII WASHINGTON MALL HAMILTON, HAMILTON BERMUDA BM	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	
(a) Enter service provider name as it appears on line 2 LOS ANGELES CAPITAL MGMT	(b) Service Codes (see instructions) 68	(c) Enter amount of indirect compensation 6549
(d) Enter name and EIN (address) of source of indirect compensation ITG 95-4339369	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. SOFT DOLLAR COMMISSIONS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	18972
(d) Enter name and EIN (address) of source of indirect compensation JEFFERIES & COMPANY INC. 95-2622900	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2 LOS ANGELES CAPITAL MGMT	(b) Service Codes (see instructions) 68	(c) Enter amount of indirect compensation 1038
(d) Enter name and EIN (address) of source of indirect compensation LIQUIDNET, INC. 13-4095933	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2 ACA ADVISORS III, LLC	(b) Service Codes (see instructions) 52	(c) Enter amount of indirect compensation 168306
(d) Enter name and EIN (address) of source of indirect compensation AETOS CAPITAL ASIA T.E. III, LTD 98-0568920	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. INVESTMENT MANAGEMENT FEE - NET OF REBATE	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	9416
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
JP MORGAN 13-4110995	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	7759
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
CREDIT SUISSE 13-1898818	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
HUDSON ADVISORS LLC	72	148717
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
LONE STAR REAL ESTATE FUND II 2711 NORTH HASKELL AVENUE DALLAS, TX 75204	GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
HUDSON ADVISORS LLC	72	544897
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR FUND IX 2711 NORTH HASKELL AVENUE DALLAS, TX 75204	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	
(a) Enter service provider name as it appears on line 2 HUDSON ADVISORS LLC	(b) Service Codes (see instructions) 72	(c) Enter amount of indirect compensation 310714
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR FUND VI 2711 NORTH HASKELL AVENUE DALLAS, TX 75204	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	
(a) Enter service provider name as it appears on line 2 HUDSON ADVISORS LLC	(b) Service Codes (see instructions) 72	(c) Enter amount of indirect compensation 63786
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR REAL ESTATE FUND 2711 NORTH HASKELL AVENUE DALLAS, TX 75204	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	2342
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
CONVERGEX 20-5150276	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	52	1667
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
EUROPEAN SECONDARY DEVELOP. FUND V 36-4758658	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1396
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
WINDJAMMER MANAGEMENT PARTNERS, LLP 37-1652215	NONMONETARY COMPENSATION	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	3333
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
ACCESS SECURITIES LLC 26-0375766	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	9715
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
BARCLAYS CAPITAL INC. 06-1031656	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	14581
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
LOOP CAPITAL 36-4164012	SOFT DOLLAR COMMISSIONS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	2448
(d) Enter name and EIN (address) of source of indirect compensation SANFORD BERNSTEIN 13-4132953	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	2150
(d) Enter name and EIN (address) of source of indirect compensation BLACKSTONE 13-4186516	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
HUDSON ADVISORS LLC	72	16977
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR FUND IV 2711 NORTH HASKELL AVENUE DALLAS, TX 75204	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILLIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
HUDSON ADVISORS LLC	72	236146
(d) Enter name and EIN (address) of source of indirect compensation LONE STAR FUND V (U.S.), L.P. 2711 NORTH HASKELL AVENUE DALLAS, TX 75204	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. GENERAL ASSET MANAGEMENT SERVICES, IN HOUSE DUE DILIGENCE AND ANALYSIS SERVICES, FOREIGN EXCHANGE AND INTEREST RATE HEDGING SERVICES.	
(a) Enter service provider name as it appears on line 2 IBM	(b) Service Codes (see instructions) 56	(c) Enter amount of indirect compensation 6090
(d) Enter name and EIN (address) of source of indirect compensation ADVENT INTERNATIONAL 04-2840139	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2 IBM	(b) Service Codes (see instructions) 56	(c) Enter amount of indirect compensation 11950
(d) Enter name and EIN (address) of source of indirect compensation APAX PARTNERS 1 GATEGNY ESPLANADE GUERNSEY, GUERNSEY GY1 2HJ GB	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. NONMONETARY COMPENSATION	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	3206
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
EUROPEAN SECONDARY DEVELOP. FUND IV 98-0547145	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	10630
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
ARDIAN 13-4067855	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	4858
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
BC PARTNERS 40 PORTMAN SQUARE LONDON, LONDON W1H 6DA GB	NONMONETARY COMPENSATION	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	5713
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
CINVEN WARWICK COURT LONDON, LONDON EC4M 7AG GB	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1086
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
STRATEGIC PARTNERS 1133 WESTCHESTER AVENUE NEW YORK, NY 10604	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	4180
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
HARBOURVEST PARTNERS 74-3130888	NONMONETARY COMPENSATION	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	2021
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
HELLMAN & FRIEDMAN LLC 38-3708132		NONMONETARY COMPENSATION
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	3400
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
INDIGO CAPITAL LLP 33 ST. JAMES SQUARE LONDON, LONDON SW1Y 4JS GB		NONMONETARY COMPENSATION
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1275
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
WARBURG PINCUS 450 LEXINGTON AVENUE NEW YORK, NY 10017		NONMONETARY COMPENSATION

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	6064
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PANTHEON 94-3047085	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1200
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
JP MORGAN CHASE BANK, N.A. 13-4994650	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1993
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
WELSCH, CARSON, ANDERSON & STOWE 320 PARK AVENUE NEW YORK, NY 10022	NONMONETARY COMPENSATION	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1356
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
WALDEN INTERNATIONAL INVESTMENT GRO ONE CALIFORNIA STREET SAN FRANCISCO, CA 94111		NONMONETARY COMPENSATION
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1255
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
FIDELITY 04-2647786		NONMONETARY COMPENSATION
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	2797
(d) Enter name and EIN (address) of source of indirect compensation		(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
DEUTSCHE BANK 13-2730828		SOFT DOLLAR COMMISSIONS

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	3518
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
INSTINET 20-3879157	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	1375
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
MERRILL LYNCH 13-5674085	SOFT DOLLAR COMMISSIONS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
LOS ANGELES CAPITAL MGMT	68	1504
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
MORGAN STANLEY 20-8764829	SOFT DOLLAR COMMISSIONS	

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
IBM	56	1443
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
BLACKROCK 13-3806691	NONMONETARY COMPENSATION	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	PETER GUTMAN	b EIN:	53-0181291
c Position:	ACTUARY		
d Address:	335 MADISON AVENUE NEW YORK, NY 10017	e Telephone:	212-309-3400

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 <div style="text-align: center; font-size: 1.2em; font-weight: bold;">2016</div> This Form is Open to Public Inspection.
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan <u>IBM PERSONAL PENSION PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u>	D Employer Identification Number (EIN) <u>13-0871985</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>HIPEP VI EUROPEAN SMALL-MEDIUM BUY</u>		
b Name of sponsor of entity listed in (a): <u>HARBOURVEST PARTNERS LLC</u>		
c EIN-PN <u>30-0486793-001</u>	d Entity code <u>E</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>28706200</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>JPMCB MORTGAGE PRIVATE PLMT FUND</u>		
b Name of sponsor of entity listed in (a): <u>JP MORGAN CHASE BANK</u>		
c EIN-PN <u>13-6038769-001</u>	d Entity code <u>C</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>308629237</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>BRIDGEWATER SHORT TERM INVST</u>		
b Name of sponsor of entity listed in (a): <u>BRIDGEWATER ASSOCIATES</u>		
c EIN-PN <u>16-1675706-001</u>	d Entity code <u>E</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>0</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>CLERESTORY SMALL CAP R.E. FD I TE L</u>		
b Name of sponsor of entity listed in (a): <u>CLERESTORY CAPITAL PARTNERS</u>		
c EIN-PN <u>30-0441881-001</u>	d Entity code <u>E</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>18469423</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>GENESIS EMERGING MARKETS FUND</u>		
b Name of sponsor of entity listed in (a): <u>GENESIS INVESTMENT MGMT</u>		
c EIN-PN <u>22-3163872-001</u>	d Entity code <u>E</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>130855733</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>TWO SIGMA INTERNATIONAL CORE FUND</u>		
b Name of sponsor of entity listed in (a): <u>TWO SIGMA ADVISERS</u>		
c EIN-PN <u>80-0813293-001</u>	d Entity code <u>E</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>311376758</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>PRUDENTIAL INSURANCE COMPANY PSA</u>		
b Name of sponsor of entity listed in (a): <u>PRUDENTIAL INSURANCE COMPANY</u>		
c EIN-PN <u>22-1211670-020</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>300814732</u>

a Name of MTIA, CCT, PSA, or 103-12 IE: WESTERN ASSET MGT OPPORTUNISTIC V

b Name of sponsor of entity listed in (a): WESTERN ASSET MANAGEMENT

c EIN-PN 46-4790774-001	d Entity code E	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 49827292
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a Name of MTIA, CCT, PSA, or 103-12 IE: BRIDGEWATER ALL WEATHER

b Name of sponsor of entity listed in (a): BRIDGEWATER ASSOCIATES

c EIN-PN 98-0633473-001	d Entity code E	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 496290592
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a Name of MTIA, CCT, PSA, or 103-12 IE: JPMCB LIQUIDITY FUND

b Name of sponsor of entity listed in (a): JPMORGAN CHASE BANK

c EIN-PN 13-6285055-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 34420609
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
-----------------	----------------------	---

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

<div>SCHEDULE G (Form 5500) Department of Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration</div>	<div>Financial Transaction Schedules</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).</div> <div>► File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2016</div> <div>This Form is Open to Public Inspection.</div>
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016	
<div>A Name of plan IBM PERSONAL PENSION PLAN</div>	<div>B Three-digit plan number (PN) ► 001</div>
<div>C Plan sponsor's name as shown on line 2a of Form 5500 INTERNATIONAL BUSINESS MACHINES CORPORATION</div>	<div>D Employer Identification Number (EIN) 13-0871985</div>

<div>Part I</div>	<div>Schedule of Loans or Fixed Income Obligations in Default or Classified as Uncollectible</div> <div>Complete as many entries as needed to report all loans or fixed income obligations in default or classified as uncollectible. Check box (a) if obligor is known to be a party in interest. Attach Overdue Loan Explanation for each loan listed. See Instructions.</div>
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(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items
☐	MORRISON KNUDSEN CORPORATION 720 PARK BOULEVARD P.O. BOX 73 BOISE, ID 83712	61899AAH6 7/1/2000 - 7/1/2010 11.000%

		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
765000	0	0	765000	765000	0

(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items
☐	LEHMAN BROTHERS HOLDINGS INC 1271 6TH AVENUE NEW YORK, NY 10018	525ESC2P3 12/21/2006 - 12/30/2016 VARIABLE

		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
664000	0	27096	800000	800000	0

(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items
☐	LEHMAN BROTHERS HOLDINGS INC 1271 6TH AVENUE NEW YORK, NY 10018	524ESCWH9 5/1/2007 - 5/1/2032 VARIABLE

		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
5863748	0	0	372000	0	372000

(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	LEHMAN BROTHERS HOLDINGS INC 1271 6TH AVENUE NEW YORK, NY 10018	524ESCR44 7/12/2007 - 7/17/2037 6.875%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
1354226	0	0	97281	0	97281
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	QUEBECOR WORLD INC 999 DE MAISONNEUVE BLVD WEST MONTREAL, QUEBEC H3A3L4 CA	748ESCAA8 8/1/1997 - 8/1/2027 VARIABLE			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
280000	0	0	18200	0	18200
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	QUEBECOR WORLD INC 999 DE MAISONNEUVE BLVD WEST MONTREAL, QUEBEC H3A3L4 CA	748ESCAD2 11/3/2003 - 11/15/2013 6.125%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
665000	0	0	665000	665000	0
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	SIGMA FINANCE INC 4261 PARK ROAD ANN ARBOR, MI 48103	8265QOXQO 6/4/2007 - 6/4/2009 VARIABLE			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
94979578	0	0	94079058	94079058	0
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	LEHMAN BROTHERS HOLDINGS INC 127 6TH AVENUE NEW YORK, NY 10018	524ESCUB4 10/24/2006 - 1/3/2017 6.000%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
6538210	0	0	420000	0	420000

(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	AFREN PLC, KINNAIRD HOUSE 1 PALL MALL EAS LONDON, NA SW1Y 5AU GB	00830FA*3 5/1/2015 - 4/25/2016 15.000%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
248355	37190	0	262810	262810	0
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	AFREN PLC, KINNAIRD HOUSE 1 PALL MALL EAS LONDON, NA SW1Y 5AU GB	B65RPS0 2/3/2011 - 2/1/2016 VARIABLE			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
214618	3544	0	191623	191623	0
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	GLITNIR BANK SOLTUNI26 REYKJAVIK, NA 105 IS	379308AB5 9/14/2006 - 12/31/2049 VARIABLE			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
10116909	0	0	712316	0	712316
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	HARRAH'S JAZZ COMPANY 925 SOUTH WHITE STREET NEW ORLEANS, LA 70125	413623AA7 11/16/1994 - 11/15/2001 VARIABLE			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
416000	0	0	416000	416000	0
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	HOLLINGER 100 KING ST WEST, STE 3700 TORONTO, ONTARIO M5X1C9 CA	43556CAE1 3/10/2003 - 3/1/2011 VARIABLE			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
243000	0	0	243000	243000	0

(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐	INTANDEM FILMS PLC 114-116 CHARING CROSS ROAD LONDON, NA WC2H0JR GB		5452877 3/6/1998 - 3/31/2008 VARIABLE		
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
530902	0	0	1174767	1174767	0
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐	HOMELAND STORES, INC 23 EAST 33RD STREET EDMOND, OK 73013		437394A90 2/24/1994 - 3/1/1999 VARIABLE		
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
87554	0	0	87554	87554	0
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐	LEAR CORPORATION 21557 TELEGRAPH ROAD SOUTHFIELD, MI 48033		521ESC9J4 2/1/2005 - 8/1/2014 VARIABLE		
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
690000	0	0	690000	690000	0
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐	LEAR CORPORATION 21557 TELEGRAPH ROAD SOUTHFIELD, MI 48033		521ESC9P0 3/20/1996 - 12/1/2013 VARIABLE		
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
45000	0	0	45000	45000	0
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐	LEAR CORPORATION 21557 TELEGRAPH ROAD SOUTHFIELD, MI 48033		521ESC9Q8 11/24/2006 - 12/1/2016 8.750%		
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
80000	0	0	80000	80000	0

(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	LEHMAN BROTHERS CAP TR VII 1271 6TH AVENUE NEW YORK, NY 10018	524ESCXA3 5/17/2007 - 12/31/2049 5.857%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
108190	0	0	7028	0	7028
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	LEHMAN BROTHERS HOLDINGS INC 1271 6TH AVENUE NEW YORK, NY 10018	524ESC7M6 12/21/2007 - 12/28/2017 6.750%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
9923510	0	0	727650	0	727650
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	LEHMAN BROTHERS HOLDINGS INC 1271 6TH AVENUE NEW YORK, NY 10018	524ESC7N4 5/9/2008 - 5/11/2038 7.500%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
20078116	0	0	1679200	0	1679200
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐	LEHMAN BROTHERS HOLDINGS INC 1271 6TH AVENUE NEW YORK, NY 10018	524ESCR36 7/19/2007 - 7/19/2017 6.500%			
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
342301	0	0	24050	0	24050
(a)	(b) Identity and address of obligor	(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items			
☐					
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

Part II Schedule of Leases in Default or Classified as Uncollectible

Complete as many entries as needed to report all leases in default or classified as uncollectible. Check box (a) if lessor or lessee is known to be a party in interest. Attach Overdue Lease Explanation for each lease listed. (See instructions)

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

Part III Nonexempt Transactions

Complete as many entries as needed to report all nonexempt transactions. **Caution:** If a nonexempt prohibited transaction occurred with respect to a disqualified person, file Form 5330 with the IRS to pay the excise tax on the transaction.

(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	BUY 084664CE9 3/8/2016	434831	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
0	0	0	434831	0	0
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	BUY 084664CG4 3/8/2016	544586	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
0	0	0	544586	0	0
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	BUY 084670BQ0 3/8/2016	434078	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
0	0	0	434078	0	0
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	BUY 084670BR8 3/8/2016	1082049	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
0	0	0	1082049	0	0
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	BUY 084670BS6 3/8/2016	974084	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
0	0	0	974084	0	0
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	SELL 084664CE9 3/9/2016	0	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
435557	0	0	-434831		726

Part III Nonexempt Transactions

Complete as many entries as needed to report all nonexempt transactions. **Caution:** If a nonexempt prohibited transaction occurred with respect to a disqualified person, file Form 5330 with the IRS to pay the excise tax on the transaction.

(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	BUY 084670BS6 3/9/2016	30283	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
0	0	0	30283	0	0
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BR8 3/10/2016	0	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
215283	0	0	-214415	0	868
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BR8 3/10/2016	0	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
219987	0	0	-219402	0	585
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	SELL 084664CG4 3/14/2016	0	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
546536	0	0	-544586	0	1950
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BQ0 3/15/2016	0	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
218474	0	0	-217538	0	936
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price	
WELLS CAPITAL MANAGEMENT, INC.		FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BQ0 3/15/2016	0	
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset	(i) Current value of asset	(j) Net gain (or loss) on each transaction
217292	0	0	-216540	0	752

Part III Nonexempt Transactions

Complete as many entries as needed to report all nonexempt transactions. **Caution:** If a nonexempt prohibited transaction occurred with respect to a disqualified person, file Form 5330 with the IRS to pay the excise tax on the transaction.

(a) Identity of party involved	(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price
WELLS CAPITAL MANAGEMENT, INC.	FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BR8 3/16/2016	0
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset
652296	0	0	-648232
(i) Current value of asset	(j) Net gain (or loss) on each transaction		
0	4064		
(a) Identity of party involved	(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price
WELLS CAPITAL MANAGEMENT, INC.	FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BS6 9/19/2016	0
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset
1021148	0	0	-974084
(i) Current value of asset	(j) Net gain (or loss) on each transaction		
0	47064		
(a) Identity of party involved	(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price
WELLS CAPITAL MANAGEMENT, INC.	FIDUCIARY (INVESTMENT MANAGER)	SELL 084670BS6 9/19/2016	0
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset
31436	0	0	-30283
(i) Current value of asset	(j) Net gain (or loss) on each transaction		
0	1153		
(a) Identity of party involved	(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset
(i) Current value of asset	(j) Net gain (or loss) on each transaction		
(a) Identity of party involved	(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset
(i) Current value of asset	(j) Net gain (or loss) on each transaction		
(a) Identity of party involved	(b) Relationship to plan, employer, or other party-in-interest	(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value	(d) Purchase price
(e) Selling price	(f) Lease rental	(g) Transaction expenses	(h) Cost of asset
(i) Current value of asset	(j) Net gain (or loss) on each transaction		

SCHEDULE H (Form 5500) Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110
		2016
		This Form is Open to Public Inspection

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016		
A Name of plan IBM PERSONAL PENSION PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 INTERNATIONAL BUSINESS MACHINES CORPORATION	D Employer Identification Number (EIN) 13-0871985	

Part I	Asset and Liability Statement
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a	103793296	7188638
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)	695146676	1167254240
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	1647695851	1051913709
(2) U.S. Government securities	1c(2)	10013064469	15420538842
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	2254833801	1915408677
(B) All other.....	1c(3)(B)	15360337679	16810150091
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	42128716	38011735
(B) Common.....	1c(4)(B)	13868725444	8542253670
(5) Partnership/joint venture interests	1c(5)	5541352723	5114079089
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans.....	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)	319224217	343049846
(10) Value of interest in pooled separate accounts	1c(10)	100433371	300814732
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities.....	1c(12)	1374861601	1035525998
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	544658084	528137457
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)	666027773	558024632

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	56721691	31617449
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	52589005392	52863968805

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h	15635670	16391024
i Acquisition indebtedness	1i		
j Other liabilities	1j	832085083	1384024561
k Total liabilities (add all amounts in lines 1g through 1j)	1k	847720753	1400415585

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	51741284639	51463553220
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)		
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		0
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	1668150	
(B) U.S. Government securities	2b(1)(B)	97353679	
(C) Corporate debt instruments	2b(1)(C)	832380597	
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)	96871686	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		1028274112
(2) Dividends: (A) Preferred stock	2b(2)(A)	1542618	
(B) Common stock	2b(2)(B)	199670573	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	24985674	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		226198865
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	101453360078	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	98825188109	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		2628171969
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)	-767696389	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		-767696389

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		85867839
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		93495675
c Other income.....	2c		-1404546
d Total income. Add all income amounts in column (b) and enter total.....	2d		3292907525

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	3429692534	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		3429692534
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)	2996180	
(2) Contract administrator fees.....	2i(2)	17331800	
(3) Investment advisory and management fees.....	2i(3)	94893562	
(4) Other	2i(4)	25724868	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		140946410
j Total expenses. Add all expense amounts in column (b) and enter total	2j		3570638944

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-277731419
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unqualified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☐ Yes ☒ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: PRICEWATERHOUSECOOPERS LLP

(2) EIN: 13-4008324

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.).....

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b	X		103557537

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d	X		3499911
e Was this plan covered by a fidelity bond?	4e	X		150000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j	X		
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			
o Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?	4o			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?
If "Yes," enter the amount of any plan assets that reverted to the employer this year. ☐ Yes ☒ No **Amount:**

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 3986406. (See instructions.)

Part V Trust Information

6a Name of trust	6b Trust's EIN
6c Name of trustee or custodian	6d Trustee's or custodian's telephone number

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2016 This Form is Open to Public Inspection.
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan <u>IBM PERSONAL PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u>	D Employer Identification Number (EIN) <u>13-0871985</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>04-3275867</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	<u>2882</u>

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☒ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☒ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☒ No
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Part IV	ESOPs (see instructions). If this is not a plan described under Section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2016
v. 160205

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:		
	a The current year	14a	
	b The plan year immediately preceding the current plan year	14b	
	c The second preceding plan year	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year	15a	
	b The corresponding number for the second preceding plan year	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment
19	If the total number of participants is 1,000 or more, complete lines (a) through (c) a Enter the percentage of plan assets held as: Stock: <u>31.0</u> % Investment-Grade Debt: <u>51.0</u> % High-Yield Debt: <u>3.0</u> % Real Estate: <u>5.0</u> % Other: <u>10.0</u> % b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☒ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☒ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

Part VII	IRS Compliance Questions
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20a Is the plan a 401(k) plan? If "No," skip b	☐ Yes ☐ No
20b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor ☐ "Prior year" ADP test ☐ "Current year" ADP test ☐ N/A
21a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test ☐ Average benefit test ☐ N/A
21b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes ☐ No
22a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter / / and the serial number .	
22b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter / / .	

ACCOUNTANT'S OPINION AND FINANCIAL STATEMENTS

Schedule H, Line 3

PLAN NAME: IBM PERSONAL PENSION PLAN

EIN: 13-0871985

PLAN NUMBER: 001

International Business Machines Corporation -- IBM Personal Pension Plan, Financial Statements, 12/31/2016.

IBM

Personal Pension Plan

**Financial Statements and Supplemental Schedules
December 31, 2016 and 2015**

IBM
Personal Pension Plan
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December 31, 2016 and 2015

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* Other schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA have been omitted because they are not applicable.



Report of Independent Auditors

To the Plan Administrator of the IBM Personal Pension Plan

We have audited the accompanying financial statements of the IBM Personal Pension Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2016 and 2015, and the related statement of changes in net assets available for benefits for the year ended December 31, 2016, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.



Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial status of the Plan as of December 31, 2016 and 2015, and the changes in its financial status for the year ended December 31, 2016 in accordance with accounting principles generally accepted in the United States of America.

Other Matter

Our audits were conducted for the purpose of forming an opinion on the financial statements as a whole. The supplemental schedules of Schedule G, Part I – Schedule of Loans or Fixed Income Obligations in Default or Classified as Uncollectible at December 31, 2016, Schedule G, Part III – Nonexempt transactions for the year ended December 31, 2016, Schedule H, Line 4i - Schedule of Assets (Held at End of Year) at December 31, 2016, Schedule H, Line 4j – Schedule of Assets (Acquired and Disposed of Within Year) for the year ended December 31, 2016, Schedule H, 4j – Schedule of Reportable Transactions for the year ended December 31, 2016 are presented for the purpose of additional analysis and are not a required part of the financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. Such information is the responsibility of the Plan's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

PricewaterhouseCoopers LLP

New York, NY

September 22, 2017

IBM
Personal Pension Plan
Statements of Net Assets Available for Benefits
December 31, 2016 and 2015 (dollars in millions)

	2016	2015
Assets		
Investments, at fair value	\$ 51,690	\$ 51,790
Receivables		
Amounts receivable for securities sold	896	455
Interest, dividends and other	272	240
Total receivables	1,167	695
Noninterest bearing cash	7	104
Total assets	52,864	52,589
Liabilities		
Amounts payable for securities purchased and other liabilities	1,400	848
Total liabilities	1,400	848
Net assets available for benefits	\$ 51,464	\$ 51,741

The accompanying notes are an integral part of these financial statements.

IBM

Personal Pension Plan

Statement of Changes in Net Assets Available for Benefits For the year ended December 31, 2016 (dollars in millions)

	2016
Additions to net assets attributable to	
Investment gain	
Net appreciation in fair value of investments	\$ 2,037
Interest	1,029
Dividends	226
Total investment gain	3,293
Total additions	3,293
Deductions from net assets attributable to	
Benefits paid to participants	3,430
Plan expenses	141
Total deductions	3,571
Net decrease in net assets available for benefits	(278)
Net assets available for benefits	
Beginning of year	51,741
End of year	\$ 51,464

The accompanying notes are an integral part of these financial statements.

IBM

Personal Pension Plan

Notes to Financial Statements

December 31, 2016 and 2015

1. Description of the Plan

General

The IBM Personal Pension Plan consists of a tax qualified pension plan and a non-tax qualified (nonqualified) plan. These financial statements have been prepared for the tax qualified pension plan (the "Plan"). The Plan is a noncontributory defined benefit plan, covering substantially all regular employees of International Business Machines Corporation ("IBM" or the "Company") and certain domestic subsidiaries hired prior to January 1, 2005. Eligible employees became 100% vested in their retirement benefit upon completion of five years of continuous service as defined by the Plan or on December 31, 2007.

The Plan is dual qualified under Section 401(a) of the Internal Revenue Code of 1986, as amended, and Section 1081.01(a) of the Internal Revenue Code for a New Puerto Rico, as amended (the "PRIRC"). It is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"), as amended.

Administration

The IBM Retirement Plans Committee (the "Committee") and the Plan Administrator, as defined in the Plan document (the "Plan Administrator"), are named fiduciaries under the Plan. The Plan Administrator is responsible for the administration of the Plan. The Committee has delegated to certain IBM executives, the authority to appoint investment managers to invest the assets of the Plan. At December 31, 2016 and at December 31, 2015, there were over 75 non-IBM external investment managers, as well as internal investment managers who are employees of IBM. The IBM internal investment managers were responsible for managing Plan investments with a net estimated fair value of approximately \$2.1 billion and \$6.4 billion at December 31, 2016 and December 31, 2015 respectively. JPMorgan Chase Bank, N.A. ("JP Morgan Chase") is the Plan Trustee.

Plan Provisions

As described in the Plan document, employee benefits are calculated under either a cash balance formula (Personal Pension Account) or a traditional defined benefit pension plan formula. Employees may or may not be eligible for the Personal Pension Account. The retirement benefit for employees not eligible for the Personal Pension Account is based on service and earnings and is the greater of the value produced by (a) the Pension Credit Formula; or (b) the Service and Earnings Formula or Minimum Benefit Formula plus the annuity value of the Personal Retirement Provision balance. Eligible service and earnings through the year 2000 are used in the calculation of (b).

Eligible employees may retire with this benefit after completing 30 or more years of service, at age 55 after completing 15 or more years of service, at age 62 with 5 or more years of service and at age 65 with 1 or more years of service; eligible employees may also receive actuarially reduced benefits at different age and service levels.

Employees eligible for the Personal Pension Account receive a benefit expressed as an account balance that builds over time with monthly pay and interest credits. All employees on December 31, 2007 were automatically vested in the Plan and may elect to receive their Personal Pension Account benefit in a lump sum, annuity, combination lump sum and annuity or may elect to defer receipt. Any participant rehired after that date will have the same choices after obtaining 3 years of vesting service.

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

In December 2005, IBM approved amendments to the Plan which provided that participants would no longer accrue benefits under this plan beginning January 1, 2008.

Participants should refer to the summary plan description or the Plan document for a more complete description of the Plan's provisions.

Funding Policy

It is IBM's policy to make contributions to the Plan which are equal to or greater than the minimum requirements set forth in applicable employee benefits and tax laws. Contribution requirements are determined by Willis Towers Watson Delaware Incorporated, the Plan's actuary, based on actuarial tables, factors and procedures that are deemed appropriate by Plan management. No contributions were made in 2016. The minimum funding requirements of ERISA have been met.

Plan Termination

IBM reserves the right to terminate the Plan, in whole or in part, upon resolution adopted by IBM's Board of Directors. Any termination of the Plan shall be in compliance with the applicable provisions of ERISA and the regulations issued by the Pension Benefit Guaranty Corporation. The Plan provides that if the Plan is terminated, the assets of the related trust, after providing for the expenses of administration or liquidation of the Plan and the related trust, shall be allocated by the Plan Administrator in a manner that is not inconsistent with the order of precedence prescribed by Section 4044 of ERISA and any applicable rulings or regulations thereunder. The Pension Benefit Guaranty Corporation insures benefits to Plan participants, up to certain limits, should unfunded vested benefits exist upon Plan termination.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are maintained on the accrual basis of accounting except benefit payments which are recorded when paid. The accrual basis of accounting is acceptable under the U.S. Department of Labor Regulations and is in accordance with generally accepted accounting principles in the United States of America. Within the financial tables presented, certain columns and rows may not add due to the use of rounded numbers for disclosure purposes.

Valuation of Investments

The Plan's investments are stated at fair value. Accounting guidance defines fair value as the price that would be received for an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Under this guidance, the Plan is required to classify certain assets and liabilities based on the following fair value hierarchy:

- Level 1 – Quoted prices (unadjusted) in active markets for identical assets or liabilities that can be accessed at the measurement date;
- Level 2 – Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly; and
- Level 3 – Unobservable inputs for the asset or liability.

The guidance requires the use of observable market data if such data is available without undue cost and effort.

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

Assets are classified within the fair value hierarchy according to the lowest level input that is significant to the fair value measurement. Valuation techniques used maximize the use of observable inputs and minimize the use of unobservable inputs. Changes in inputs or methodologies used for valuing investments may result in a transfer in or out of levels within the fair value hierarchy.

Certain investments are measured at fair value using the net asset value (NAV) per share (or its equivalent) as a practical expedient. These investments include commingled funds, hedge funds, private equity and real estate partnerships, and are typically valued using the NAV provided by the administrator of the fund and reviewed by the Company. The NAV is based on the value of the underlying assets owned by the fund, minus liabilities and divided by the number of shares or units outstanding or multiplied by the Plan's pro rata interest, in the case of non-unitized investments. In accordance with FASB guidance, these investments have not been classified in the fair value hierarchy. Refer to Note 2, "Standards Implemented" and Note 5 "Investments". Generally, mutual funds have a quoted market price in an active market and are classified as Level 1.

Equity securities are valued at the closing price reported on the stock exchange on which the individual securities are traded and are classified Level 1, 2 or 3 depending on availability of quoted market prices.

Fixed income investments are typically valued on the basis of valuations furnished by Trustee-approved independent pricing services. These services determine valuations for normal institutional-size trading units of such securities using models or matrix pricing, which incorporates yield and/or price with respect to bonds that are considered comparable in characteristics such as rating, interest rate and maturity date and quotations from bond dealers to determine current value. Where possible, they are valued using the closing price reported on the major market on which the individual securities are traded. Fixed income investments are generally classified as Level 2 within the fair value hierarchy. Certain fixed income securities are private credit securities, priced by an external investment manager. Their valuation process primarily uses matrix pricing taking into account discount yield, with spread components for credit quality by sector, average life and capital size of the issuer. These private credit securities are generally classified as Level 3 within the fair value hierarchy.

Interest bearing cash reported within investments at fair value includes money market accounts that are valued at their cost plus interest on a daily basis, which approximates fair value. Short-term investments represent securities with original maturities of one year or less. These assets are classified as Level 1 or Level 2.

Exchange traded derivatives are valued at the closing price reported on the exchange on which the individual securities are traded while forward contracts are valued using a mid-close price. Over-the-counter ("OTC") derivatives are typically valued using pricing models that use as their basis readily observable market parameters — that is, parameters that are actively quoted and can be validated to external sources, including industry pricing services. Depending on the types and contractual terms of derivatives, fair value can be modeled using a series of techniques, such as the Black-Scholes option pricing model, simulation models or a combination of various models, which are consistently applied. Where derivative products have been established for some time, the Plan uses models that are widely accepted in the financial services industry. These models reflect the contractual terms of the derivatives, including the period to maturity, and market-based parameters such as interest rates, volatility, and the credit quality of the counterparty. Further, many of these models do not contain a high level of subjectivity, as the methodologies used in the

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

models do not require significant judgment, and inputs to the model are readily observable from actively quoted markets, as is the case for “plain vanilla” interest rate swaps, option contracts and credit default swaps. These assets are classified as Level 1 or Level 2 within the fair value hierarchy depending on availability of quoted market prices.

Foreign Currency Translation

Assets and liabilities denominated in foreign currencies are translated at the rate of exchange in effect at year end. Exchange adjustments are included in the net appreciation in fair value of investments in the Statement of Changes in Net Assets Available for Benefits. Income and expenses from transactions denominated in foreign currencies are translated at the rate of exchange at the time of settlement of the transactions.

Securities Transactions and Related Investment Income and Expenses

Securities transactions are recorded on a trade date basis. The Plan presents in the Statement of Changes in Net Assets Available for Benefits the net appreciation (depreciation) in the fair value of investments, which consists of the realized gains or losses and the unrealized appreciation or depreciation on those investments. Dividend income is recorded on the ex-dividend date, and interest income is recorded on the accrual basis. Foreign dividend and interest income is reflected net of related foreign withholding taxes. Premiums received on the sale of equity options are deferred until the expiration date of the option, the exercise of the option or until a closing transaction is affected. Interest income, which includes amortization of premium and accretion of discount on debt securities, is accrued as earned.

IBM may pay administrative costs of the Plan, or at IBM's option, administrative costs may be paid from Plan assets. In 2016, trustee, investment manager and other administrative costs totaling \$141 million were incurred and paid by the Plan. During 2016, the Plan also incurred: (a) brokerage fees and transfer taxes which are included in the cost of investments when purchased and in determining net proceeds on sales of investments; and (b) foreign taxes withheld on foreign dividend and interest income.

Payment of Benefits

Benefit payments to participants are recorded upon distribution.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and changes therein, disclosure of contingent liabilities and the actuarial present value of accumulated plan benefits at the date of the financial statements. Actual results could differ from these estimates.

Risks and Uncertainties

The Plan invests in a combination of equity investments including equity securities and equity commingled/mutual funds; fixed income investments including government and related obligations, corporate bonds including certain private credit securities, mortgage and asset-based securities, and fixed income commingled/mutual funds; money market and other short term investments; hedge funds; private equity investments; private real estate investments; and derivative instruments. Investment securities are exposed to various risks, such as interest rate, market and credit. Interest rate risk is the risk of a change in the market value of the assets due to a change in interest rates. Market risk is the possibility of losses due to factors that affect the overall performance of the financial markets. Credit risk is the risk of change in the market value of assets

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

due to the change in creditworthiness of the underlying issuer. Due to the level of risk associated with certain investment securities and the level of uncertainty related to changes in the value of investment securities, it is at least reasonably possible that changes in risks in the near term could materially affect the amounts reported in the Statements of Net Assets Available for Benefits and the Statement of Changes in Net Assets Available for Benefits.

The actuarial present value of benefit obligations is reported based on certain assumptions pertaining to interest rates, discount rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

Standards Implemented

In May 2015, the Financial Accounting Standards Board (FASB) amended guidance for reporting investments in certain entities that calculate net asset value per share (or its equivalent) so that entities will no longer be required to categorize these investments in the fair value hierarchy or to provide the related fair value disclosures. The guidance is effective for the year ending December 31, 2017 with early adoption permitted. The Plan adopted the guidance for 2016, on a retrospective basis. Refer to Note 2, "Valuation of Investments" and Note 5, "Investments", for additional information.

In July 2015, the FASB issued a three-part standard that provides guidance on certain aspects of accounting by employee benefit plans. Part I and Part III do not apply to the Plan. Part II amended certain plan investment disclosures. The guidance is effective January 1, 2017 with early adoption permitted. The Plan adopted the guidance in 2016. The adopted guidance requires Plan investments be grouped only by general type, eliminating the need to disaggregate the investment in multiple ways and that net appreciation/depreciation be disclosed only in aggregate, not by investment type. Additionally, no disclosure is required for individual investments greater than 5 percent of Plan net assets. These updates are reflected in the financial statements.

3. Federal Income Tax Status

The Trust established under the Plan is qualified under Section 401(a) of the Internal Revenue Code of 1986 and Section 1081.01 of the Internal Revenue Code for a New Puerto Rico (2011), and the Plan Trustee intends for the Trust to remain dual-qualified in this manner. The Plan received a favorable determination letter from the Internal Revenue Service on September 29, 2016 and received a favorable determination letter from the Hacienda (Puerto Rico) on March 16, 2017. Accordingly, no provision for federal income taxes has been made.

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Internal Revenue Service. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2016 there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions. In the second quarter of 2017, the IRS notified the Plan of its intent to audit the Plan for the 2015 calendar year.

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

4. Accumulated Plan Benefit Obligations

Accumulated plan benefits are those future benefit payments that are attributable, under the Plan's provisions, to the service employees have rendered. These benefits include benefits expected to be paid to (a) retired or terminated employees or their beneficiaries; (b) beneficiaries of deceased employees; and (c) present employees or their beneficiaries.

The actuarial present value of accumulated plan benefits is determined by applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment between the valuation date and the expected date of payment.

Significant actuarial assumptions used in the valuation as of December 31, 2016 and December 31, 2015 were:

Discount rate	3.80% for 2016, 4.0% for 2015
Interest crediting rate	1.6% interest crediting rate (1.3% at December 31, 2015)
2016 Mortality	Modified RP-2014 White Collar sex distinct tables (for employees and annuitants) based on IBM experience with adjustment to 2011 by backing out MP-2014 improvement and further adjusting the mortality rates at each age (averaging approximately 1.06). The Modified RP-2014 tables were projected with a modified Scale MP-2016 projection table with projected improvements starting in 2011. The modified projection table is based on the RPEC_2016 model with the same 20 year convergence period and underlying weighting percentages for the age/period and year-of-birth cohort periods. The long-term improvement rates are 0.75% up to age 85, linearly decreasing to 0.0% at age 115.
2015 Mortality	Modified RP-2014 White Collar sex-distinct tables (for employees and annuitants) based on IBM experience with adjustment to 2011 by backing out MP-2014 improvement and further adjusting the mortality rates at each age (averaging approximately 1.06). The Modified RP-2014 tables were projected with a modified Scale MP-2015 projection table with projected improvements starting in 2011. The modified projection table is based on the RPEC_2015 model with the same 20 year convergence period and underlying weighting percentages for the age/period and year-of-birth cohort periods. The long term improvement rates are 0.75% up to age 85, linearly decreasing to 0.0% at age 115.
Expected retirement age	Based on age-graded rates which are based upon actual IBM experience.

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

Accumulated plan benefits as of December 31, 2016 and 2015 were (dollars in millions):

	2016	2015
Actuarial present value of accumulated plan benefits		
Vested benefits		
Participants currently receiving payments	\$ 39,093	\$ 39,080
Other participants	<u>11,310</u>	<u>12,207</u>
Actuarial present value of accumulated plan benefits at end of year	<u>\$ 50,403</u>	<u>\$ 51,287</u>

Changes in accumulated plan benefits for the period January 1 through December 31, 2016 were (dollars in millions):

	2016
Actuarial present value of accumulated plan benefits at beginning of year	<u>\$ 51,287</u>
Increase during the year attributable to changes in actuarial assumptions	517
Actuarial losses	52
Increase for interest due to decrease in the discount period	1,977
Benefits paid	<u>(3,430)</u>
	<u>(884)</u>
Actuarial present value of accumulated plan benefits at end of year	<u>\$ 50,403</u>

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

5. Investments

The following tables set forth by level, within the fair value hierarchy, the Plan's investments at fair value at December 31, 2016 and 2015 (dollars in millions).

Investments at Fair Value as of December 31, 2016

	Total	Level 1	Level 2	Level 3
Equity:				
Equity securities	\$ 5,779	\$ 5,778	\$ -	\$ 1
Equity mutual funds	93	93	-	-
Fixed Income:				
Government and related	14,897	-	14,897	-
Corporate bonds	18,161	-	18,060	101
Mortgage and asset-backed securities	656	-	651	5
Fixed income mutual funds	359	359	-	-
Cash and short-term investments	2,008	81	1,927	-
Derivatives	38	18	20	-
Subtotal	41,991	6,329	35,555	107
Investments measured at net asset value using the NAV practical expedient*	9,699	-	-	-
Total investments at fair value	<u>\$ 51,690</u>	<u>\$ 6,329</u>	<u>\$ 35,555</u>	<u>\$ 107</u>

(*) Investments measured at fair value using the net asset value (NAV) per share (or its equivalent) as a practical expedient include equity commingled funds (\$1,977), fixed income commingled funds (\$736), hedge funds (\$1,922), private equity (\$2,462) and real estate partnerships (\$2,603). See page 15 for more information on these investments.

Investments at Fair Value as of December 31, 2015

	Total	Level 1	Level 2	Level 3
Equity:				
Equity securities	\$ 11,211	\$ 11,211	\$ -	\$ -
Equity mutual funds	99	99	-	-
Fixed Income:				
Government and related	9,851	-	9,849	2
Corporate bonds	17,090	-	17,088	2
Mortgage and asset-backed securities	643	-	633	10
Fixed income mutual funds	313	313	-	-
Cash and short-term investments	2,461	155	2,306	-
Derivatives	(80)	(83)	3	-
Subtotal	41,588	11,695	29,879	14
Investments measured at net asset value using the NAV practical expedient*	10,202	-	-	-
Total investments at fair value	<u>\$ 51,790</u>	<u>\$ 11,695</u>	<u>\$ 29,879</u>	<u>\$ 14</u>

(*) Investments measured at fair value using the net asset value (NAV) per share (or its equivalent) as a practical expedient, include equity commingled funds (\$2,034), fixed income commingled funds (\$595), hedge funds (\$2,330), private equity (\$2,829) and real estate partnerships (\$2,414). See page 15 for more information on these investments.

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

Level 3 Gains and Losses

The following table presents the changes in the fair value of the Plan's level 3 investments for the year ended December 31, 2016 (dollars in millions):

	Corporate And Government Bonds	Mortgage And Asset-Backed Securities	Equity Securities	Total
Balance, beginning of year	\$ 4	\$ 10	\$ -	\$ 14
Unrealized gains (losses)	(3)	-	-	(3)
Realized gains (losses)	1	1	-	2
Purchases	103	-	1	104
Sales	(2)	(4)	-	(6)
Transfers into Level 3	-	-	-	-
Transfers out of Level 3	(2)	(2)	-	(4)
Balance, end of year	<u>\$ 101</u>	<u>\$ 5</u>	<u>\$ 1</u>	<u>\$ 107</u>

The amount of total gains or losses
for the period included in changes
in net assets attributable to the
change in unrealized gains or
losses relating to assets still
held at the reporting date

<u>\$ (3)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (3)</u>
---------------	-------------	-------------	---------------

There were no significant transfers between levels during the year ended December 31, 2016.

IBM
Personal Pension Plan
Notes to Financial Statements
December 31, 2016 and 2015

Fair Value of Investments that Calculate Net Asset Value

The following table summarizes investments measured at fair value based on net asset value per share as of December 31, 2016 and 2015, respectively.

As of December 31, 2016	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Equity commingled funds (a)	\$ 1,977	\$ -	1 - 30 days	1 - 60 days
Fixed income commingled funds (b)	736	-	1 - 30 days	1 - 30 days
Hedge funds (c)	1,922	-	See (c)	See (c)
Private equity (d)	2,462	1,425	See (d)	See (d)
Real estate partnerships (d)	2,603	717	See (d)	See (d)

As of December 31, 2015	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Equity commingled funds (a)	\$ 2,034	\$ -	1 - 30 days	1 - 60 days
Fixed income commingled funds (b)	595	-	1 - 30 days	1 - 30 days
Hedge funds (c)	2,330	-	See (c)	See (c)
Private equity (d)	2,829	1,462	See (d)	See (d)
Real estate partnerships(d)	2,414	1,085	See (d)	See (d)

(a) Equity commingled funds. The equity funds are invested to gain exposure to broad public indices, including U.S. and international developed and emerging market securities. These investments include limited partnerships and common collective trusts.

(b) Fixed income commingled funds. The fixed income funds are used to diversify the asset class and primarily provide exposure to corporate, mortgage and high yield sectors. These investments include common collective trusts, pooled separate accounts and limited liability corporations.

(c) Hedge funds. The hedge funds provide diversified exposure to absolute return strategies. They seek to provide higher risk adjusted returns than equities with low to moderate sensitivity to equity and credit market movements. The redemption period varies by fund and ranges from monthly to annually, with up to a 90 day redemption notice period.

(d) Private equity and real estate partnerships. Private equity is comprised primarily of leveraged buyout investments, while real estate partnerships are comprised primarily of opportunistic investments. These private market investments are well diversified by partnership, vintage year and geography. They are not redeemable at the request of the Plan to the partnership sponsor. Instead, they are liquidated through periodic distributions of a share of partnership profits generated as the underlying investments of the partnership are liquidated or interest or dividends are received. These investments generally have a time horizon of eight to twelve years from time of commitment through their final liquidation.

6. Derivative Instruments

The Plan uses derivatives to implement investment strategies and control risk in the following exposure areas: equities, fixed income, commodities, and currencies. The primary reasons for the

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use of derivatives are fixed income management, including duration, interest rate management and credit exposure, cash equitization and to manage currency and commodity strategies. The types of derivatives used are swaps, options, futures, and forwards.

Derivative transactions may be executed by select investment managers on exchanges or OTC. When an OTC contract is executed, there is potential exposure to credit loss in the event of non-performance by the counterparties to these transactions. To manage this risk, a number of steps are taken. First, in addition to the manager's counterparty risk management process, investment managers must comply with minimum counterparty rating requirements as specified in the investment manager guidelines. The Plan regularly monitors counterparty credit exposures associated with OTC derivative instruments. Second, prior to using OTC derivatives, the Plan also requires the managers to negotiate and enter into netting agreements on the Plan's behalf and with the exception of currency managers, collateral agreements are also required. These agreements define the type of collateral permitted (e.g. cash or U.S. Treasury securities), thresholds and frequency of required collateral transfers. In the event of a counterparty default, these agreements reduce the potential loss to the Plan. For OTC transactions, the Plan has posted collateral of \$1 million and received collateral of \$9 million as of December 31, 2016 (posted collateral of \$13 million and received collateral of \$4 million as of December 31, 2015). Derivative cash collateral received is recorded in amounts payable for securities purchased and other liabilities. Derivative collateral posted is recorded in Investments in the Statements of Net Assets Available for Benefits. Although the Plan has a legal right of setoff under certain master netting agreements and presents derivative assets and liabilities net in Investments, at fair value in the Statements of Net Assets Available for Benefits and in the fair value hierarchy, the Plan did not offset derivative assets against liabilities or collateral deposits against the fair value of the related derivative instruments in the table below for 2016 or 2015 since no offset events occurred. Nor does it offset Payable for collateral deposits recognized upon payment or receipt of cash collateral against the fair value of the related derivative instruments in the Statements of Assets Available for Benefits.

Market risk, an inherent risk in most securities, arises from the potential for changes in value of financial instruments resulting from fluctuations in factors such as interest and foreign exchange rates and in prices of debt, equity and commodities. The notional/contractual amounts used to express the volume of these derivative transactions do not necessarily represent the amounts potentially subject to market risk.

Derivative financial instruments are carried at fair value. The net fair value of derivative financial instruments was an asset of \$38 million and a liability of \$80 million as of December 31, 2016 and 2015 respectively.

The following section summarizes derivatives which may be used by select investment managers, their fair value and notional/contractual position at year-end. Exchange traded derivatives include futures and options, and are regulated by the exchange. OTC derivatives may be centrally cleared or bi-lateral and include foreign currency and commodity contracts, options, interest rate swaps, and credit default swaps.

Futures Contracts

Futures contracts are standardized agreements to buy or sell a specific amount of the underlying on a future date for a specified price. Futures values are based on their quoted daily price. Some of the risks associated with futures are the market risk of the underlying and the correlation (basis) between the value of the underlying and the price of the futures contracts. Futures contracts may be used to manage equity, commodity, and interest rate exposure. Upon entering into a futures

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Notes to Financial Statements
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contract, the manager deposits collateral or initial margin. Thereafter, depending on the value of the position, the exchange may require the manager to post subsequent margin on a daily basis over the life of the contract. Futures contracts may be subject to risk of loss in excess of the daily variation margin. They are classified as either interest rate, equity, or commodity contracts on the derivative instrument tables that follow.

Options Contracts

Options contracts include options on equities, bonds, currencies, commodities, swaps (swaptions), and futures. Options give the owner the right, but not the obligation, to buy or sell an asset at a specified price (strike price) on or until a future date. Investment managers may purchase or write (sell) call and put options. Premiums received from writing options that expire worthless are treated as realized gains. An option writer (seller) bears the market risk of an unfavorable change in the price of the underlying instrument. Purchasing call options increases the Plan's exposure to the underlying instrument, while purchasing put options decreases the Plan's exposure to the underlying instrument. Premiums paid for purchased options that expire worthless are realized losses. The risk associated with purchasing options is limited to the premium paid. The options may be traded on an exchange or over the counter. They are classified as either interest rate, foreign exchange, credit, equity, or commodity contracts on the derivative instrument tables that follow.

Foreign Currency Forwards

A foreign currency forward is a contract between two parties to exchange money denominated in one currency for another currency at a set price on a specified future date. Foreign currency forwards are used to manage currency exposure, as a part of an investment strategy, or in connection with settling transactions. Foreign currency contracts may involve market risk in excess of the unrealized gain or loss. Foreign currency forward transactions are typically not collateralized. Foreign currency forwards are OTC instruments, thus the Plan could be exposed to risk if the counterparties are unable to meet the terms of the contracts. They are classified as foreign exchange contracts on the derivative instrument tables that follow.

Swap Agreements

Swap agreements are centrally cleared or privately negotiated OTC contracts to exchange cash flows at a future date based on the value of the underlying notional. Swap agreements involve risks such as credit risk and market risk. Swap agreements are classified as either interest rate, credit, or commodity contracts on the derivative instrument tables that follow.

Interest Rate Swaps

An interest rate swap is an agreement in which two parties exchange cash flows based upon a notional principal amount and pay or receive fixed or floating rate amounts of interest. Typically one party exchanges a stream of fixed interest payments for another party's stream of floating interest payments; and generally these payments are netted. Investment managers may enter into interest rate swap agreements to manage interest rate risk, maintain the ability to generate income at prevailing market rates or decrease the Plan's relative sensitivity to the liability. Interest rate swaps expose users to risks such as interest rate and credit risk. The notional value of an interest rate swap is not exchanged, thus the notional is not considered at risk.

Credit Default Swap Agreements

Credit default swaps (CDS) are agreements where one party (the buyer of protection) makes periodic payments to another party (seller of protection) in exchange for a lump sum payment in the event of a default or other credit event. Investment managers may specifically use CDS to provide

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protection against issuer default, or more generally to manage exposure to fixed income asset classes such as investment-grade credit, asset backed securities, mortgage backed securities and sovereigns. The maximum potential amount of future payments that the Plan as a seller could be required to make is \$336 million. CDS are considered to have credit risk-related contingent features since they require payment by the protection seller upon the occurrence of a defined credit event.

The following tables provide a quantitative summary of the derivative activity as of December 31, 2016 and 2015 and for the year ended December 31, 2016 (dollars in millions):

Fair Values of Derivative Instruments on Statements of Net Assets Available for Benefits

As of December 31, 2016	Notional/ Contractual Amount	Assets*	Liabilities*
Interest rate contracts	\$ 2,866	\$ 9	\$ 12
Foreign exchange contracts	3,322	44	31
Credit contracts	422	4	7
Equity contracts	14	-	-
Commodity contracts	2,465	<u>73</u>	<u>43</u>
Carrying value of derivatives on the statement of net assets available for benefits		<u>\$ 131</u>	<u>\$ 93</u>

* Reported in Investments, at fair value

Fair Values of Derivative Instruments on Statements of Net Assets Available for Benefits

As of December 31, 2015	Notional/ Contractual Amount	Assets*	Liabilities*
Interest rate contracts	\$ 4,565	\$ 13	\$ 13
Foreign exchange contracts	3,077	31	22
Credit contracts	418	2	11
Equity contracts	461	3	1
Commodity contracts	1,750	<u>32</u>	<u>114</u>
Carrying value of derivatives on the statement of net assets available for benefits		<u>\$ 81</u>	<u>\$ 161</u>

* Reported in Investments, at fair value

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December 31, 2016 and 2015

**The Effect of Derivative Instruments on the Statement of Changes in Net Assets
Available for Benefits for the year ended December 31, 2016**

	2016*
Interest rate contracts	\$ 34
Foreign exchange contracts	12
Credit contracts	9
Equity contracts	1
Commodity contracts	<u>82</u>
Total gain	<u>\$ 138</u>

* The above gains and (losses) on derivatives have been recognized as net appreciation (depreciation) in fair value of investments

7. Related Party Transactions

At December 31, 2016, Plan investments included \$971 million of short term investment funds with JPMorgan Chase (\$1,416 million at December 31, 2015). JPMorgan Chase acts as Trustee of the Plan and is therefore a party-in-interest.

Additionally, at December 31, 2016, the Plan held 167,980 shares of IBM common stock valued at \$28 million (244,806 shares valued at \$34 million at December 31, 2015) and IBM debentures with a face value of \$3 million, valued at \$4 million (face value of \$23 million, valued at \$23 million at December 31, 2015).

8. Commitments

At December 31, 2016 and 2015, the Plan was committed to provide \$2,142 million and \$2,547 million respectively, of additional capital to certain investments, primarily through limited partnerships.

9. Subsequent Events

The Plan has evaluated the events and transactions that have occurred through September 22, 2017, the date the financial statements were available to be issued, and noted no items requiring adjustment of the financial statements or additional disclosures.

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Personal Pension Plan
Schedule G, Part I – Schedule of Loans or Fixed Income Obligations in Default or Classified as Uncollectible
December 31, 2016

(a)	(b)	(c)			(d)	(e)	(f)	(g)	(h)	(i)
Identity and address of Obligor	Security ID	Issue date	Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the renegotiation, and other material items			Amount received during reporting year		Unpaid balance at end of year	Amount Overdue	
			Maturity date	Annual interest rate	Principal amount (cost)	Principal	Interest		Principal	Interest
Afren PLC, Kinnaird House, 1 Pall Mall Eas, London, SW1Y 5AU	00830FA*3	5/1/2015	4/25/2016	15.000%	\$ 248,355	\$ 37,190		\$ 262,810	\$ 262,810	
Afren PLC, Kinnaird House, 1 Pall Mall Eas, London, SW1Y 5AU	B65RPS0	2/3/2011	2/1/2016	Variable	\$ 214,618	\$ 3,544		\$ 191,623	\$ 191,623	
Glitnir Bank Soltuni26, Reykjavik, 105, Iceland	379308AB5	9/14/2006	12/31/2049	Variable	\$ 10,116,909			\$ 712,316		\$ 712,316
Harrah's Jazz Company, 925 South White St, New Orleans, LA	413623AA7	11/16/1994	11/15/2001	Variable	\$ 416,000			\$ 416,000	\$ 416,000	
Hollinger 100 King St. West, Ste. 3700, Toronto, ON M5X 1C9, Canada	43556CAE1	3/10/2003	3/1/2011	Variable	\$ 243,000			\$ 243,000	\$ 243,000	
Intandem Films plc 114-116 Charing Cross Road, London WC2H 0JR	5452877	3/6/1998	3/31/2008	Variable	\$ 530,902			\$ 1,174,767	\$ 1,174,767	
Homeland Stores Inc, 23 East 33rd St, Edmond OK	437394A90	2/24/1994	3/1/1999	Variable	\$ 87,554			\$ 87,554	\$ 87,554	
Lear Corporation 21557 Telegraph Road Southfield, MI	521ESC9J4	2/1/2005	8/1/2014	Variable	\$ 690,000			\$ 690,000	\$ 690,000	
Lear Corporation 21557 Telegraph Road Southfield, MI	521ESC9P0	3/20/1996	12/1/2013	Variable	\$ 45,000			\$ 45,000	\$ 45,000	
Lear Corporation 21557 Telegraph Road Southfield, MI	521ESC9Q8	11/24/2006	12/1/2016	8.750%	\$ 80,000			\$ 80,000	\$ 80,000	
Lehman Bros. CAP TR VII 1271 6th Ave, New York, N.Y.	524ESCXA3	5/17/2007	12/31/2049	5.857%	\$ 108,190			\$ 7,028		\$ 7,028
Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	524ESC7M6	12/21/2007	12/28/2017	6.750%	\$ 9,923,510			\$ 727,650		\$ 727,650
Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	524ESC7N4	5/9/2008	5/11/2038	7.500%	\$ 20,078,116			\$ 1,679,200		\$ 1,679,200
Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	524ESCR36	7/19/2007	7/19/2017	6.500%	\$ 342,301			\$ 24,050		\$ 24,050

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Personal Pension Plan
Schedule G, Part I – Schedule of Loans or Fixed Income Obligations in Default or Classified as Uncollectible
December 31, 2016

(a)	(b)	(c)				(d)	(e)	(f)	(g)	(h)	(i)
		Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the renegotiation, and other material items				Principal amount (cost)	Amount received during reporting year		Unpaid balance at end of year	Amount Overdue	
	Identity and address of Obligor	Security ID	Issue Date	Maturity Date	Annual Interest Rate		Principal	Interest		Principal	Interest
	Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	524ESCR44	7/12/2007	7/17/2037	6.875%	\$ 1,354,226			\$ 97,281		\$ 97,281
	Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	524ESCUB4	10/24/2006	1/3/2017	6.000%	\$ 6,538,210			\$ 420,000		\$ 420,000
	Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	524ESCWH9	5/1/2007	5/1/2032	Variable	\$ 5,863,748			\$ 372,000		\$ 372,000
	Lehman Brothers Holdings Inc. 1271 6th Ave, New York, N.Y.	525ESC2P3	12/21/2006	12/30/2016	Variable	\$ 664,000		\$ 27,096	\$ 800,000	\$ 800,000	
	Morrison Knudsen Corporation 720 Park Boulevard, Post Office Box 73, Boise, Idaho	61899AAH6	7/1/2000	7/1/2010	11.000%	\$ 765,000			\$ 765,000	\$ 765,000	
	Quebecor World Inc. 999 de Maisonneuve Blvd West, Montreal, Quebec Canada	748ESCAA8	8/1/1997	8/1/2027	Variable	\$ 280,000			\$ 18,200		\$ 18,200
	Quebecor World Inc. 999 de Maisonneuve Blvd West, Montreal, Quebec Canada	748ESCAD2	11/3/2003	11/15/2013	6.125%	\$ 665,000			\$ 665,000	\$ 665,000	
	Sigma Finance Inc 4261 Park Road, Ann Arbor, MI	8265Q0XQ0	6/4/2007	6/4/2009	Variable	\$ 94,979,578			\$ 94,079,058	\$ 94,079,058	

Schedule G, Part I – Overdue Loan Explanation

Investment managers have responsibility for these securities as well as other securities in their portfolio and they have or will take appropriate actions taking into consideration the circumstances surrounding each security and the overall portfolio that they manage.

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Personal Pension Plan
Schedule G, Part III – Nonexempt Transactions
Year Ended December 31, 2016

(a)	(b)	(c)	(c)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
<u>Identity of Party Involved</u>	<u>Relationship to Plan</u>	-----DESCRIPTION OF TRANSACTION-----								
		<u>Transaction</u>	<u>Security Number</u>	<u>Trade Date</u>	<u>Purchase Price (USD)</u>	<u>Selling Price (USD)</u>	<u>Lease Rental</u>	<u>Transaction Expenses/Fees</u>	<u>Cost of Asset</u>	<u>Net G/(L) on Transaction</u>
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Buy	084664CE9	08-Mar-2016	\$ 434,831	N/A	N/A	N/A	\$ 434,831	\$ -
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Buy	084664CG4	08-Mar-2016	544,586	N/A	N/A	N/A	544,586	-
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Buy	084670BQ0	08-Mar-2016	434,078	N/A	N/A	N/A	434,078	-
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Buy	084670BR8	08-Mar-2016	1,082,049	N/A	N/A	N/A	1,082,049	-
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Buy	084670BS6	08-Mar-2016	974,084	N/A	N/A	N/A	974,084	-
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084664CE9	09-Mar-2016	N/A	\$ 435,557	N/A	N/A	(434,831)	726
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Buy	084670BS6	09-Mar-2016	30,283	N/A	N/A	N/A	30,283	-
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BR8	10-Mar-2016	N/A	215,283	N/A	N/A	(214,415)	868
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BR8	10-Mar-2016	N/A	219,987	N/A	N/A	(219,402)	585
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084664CG4	14-Mar-2016	N/A	546,536	N/A	N/A	(544,586)	1,950
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BQ0	15-Mar-2016	N/A	218,474	N/A	N/A	(217,538)	936
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BQ0	15-Mar-2016	N/A	217,292	N/A	N/A	(216,540)	752
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BR8	16-Mar-2016	N/A	652,296	N/A	N/A	(648,232)	4,064
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BS6	19-Sep-2016	N/A	1,021,148	N/A	N/A	(974,084)	47,064
Wells Capital Management, Inc.	Fiduciary (Investment Manager)	Sell	084670BS6	19-Sep-2016	N/A	31,436	N/A	N/A	(30,283)	1,153
Total for all transactions					\$ 3,499,911	\$ 3,558,009				

Description of transactions and corrective action:

In March 2016, Wells Capital Management, a subsidiary of Wells Fargo, purchased Berkshire Hathaway (BH) bonds, not realizing BH had become an affiliate of Wells Fargo. Once it was determined that these transactions were prohibited, the securities were sold in September 2016.

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Personal Pension Plan

Schedule H, Line 4i – Schedule of Assets (Held at End of Year)

December 31, 2016

The Schedule of Assets (Held at End of Year) has been attached in a separate report.

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Personal Pension Plan

Schedule H, Line 4i – Schedule of Assets (Acquired and Disposed of Within Year)

Year Ended December 31, 2016

The Schedule of Assets (Acquired and Disposed of Within Year) has been attached in a separate report.

IBM
Personal Pension Plan
Schedule H, Line 4j – Schedule of Reportable Transactions*
Year Ended December 31, 2016

Security Description	Number of Purchases	Purchase Price	Number of Sales	Selling Price	Expense	Cost	Current Value of Asset on Transaction Date	Net Gain (Loss) on Sales
<u>SERIES OF TRANSACTIONS IN THE SAME SECURITY</u>								
Barclays JPM/BONY Tri-Party Repo**	244	\$ 13,600,000,000	244	\$ 13,649,000,000	\$0	\$ 13,600,000,000	\$ 13,600,000,000	\$0
BNP Paribas Tri-Party Repo	250	\$ 14,913,050,133	250	\$ 14,919,181,732	\$0	\$ 14,913,050,133	\$ 14,913,050,133	\$0
Deutsche Tri-Party Repo	240	\$ 14,273,028,209	239	\$ 14,248,028,209	\$0	\$ 14,273,028,209	\$ 14,273,028,209	\$0
U.S. Treasury Bonds 2.25% Maturity 8/15/46	619	\$ 1,415,056,759	478	\$ 1,205,495,345	\$0	\$ 1,415,056,759	\$ 1,415,056,759	\$ (9,379,970)
U.S. Treasury Bonds 2.5% Maturity 2/15/46	1,115	\$ 2,275,504,247	1,114	\$ 2,227,410,112	\$0	\$ 2,275,504,247	\$ 2,275,504,247	\$ (26,531,424)
U.S. Treasury Bonds 3.0% Maturity 11/15/45	1,117	\$ 1,695,743,742	987	\$ 1,700,578,984	\$0	\$ 1,695,743,742	\$ 1,695,743,742	\$ 3,340,672
U.S. Treasury Bonds Zero CPN Maturity 2/15/36	66	\$ 1,415,321,794	63	\$ 1,398,959,101	\$0	\$ 1,415,321,794	\$ 1,415,321,794	\$ (11,823,790)
U.S. Treasury Notes 1.25% Maturity 3/31/21	203	\$ 1,903,477,334	182	\$ 1,875,125,232	\$0	\$ 1,903,477,334	\$ 1,903,477,334	\$ (537,623)
U.S. Treasury Notes 1.375% Maturity 8/31/20	78	\$ 1,990,897,938	82	\$ 2,051,865,315	\$0	\$ 1,990,897,938	\$ 1,990,897,938	\$ 1,522,858
U.S. Treasury Notes 1.5% Maturity 8/15/26	655	\$ 2,187,367,212	558	\$ 1,896,429,301	\$0	\$ 2,187,367,212	\$ 2,187,367,212	\$ (14,761,907)
U.S. Treasury Notes 1.625% Maturity 2/15/26	975	\$ 2,867,140,694	697	\$ 2,852,581,357	\$0	\$ 2,867,140,694	\$ 2,867,140,694	\$ 851,107
U.S. Treasury Notes 1.625% Maturity 5/15/26	806	\$ 2,285,861,008	524	\$ 2,245,049,241	\$0	\$ 2,285,861,008	\$ 2,285,861,008	\$ 3,450,838

*Transaction or series of transactions in excess of 5% of the current value of the Plan's assets as of January 1, 2016 as defined in Section 2520.103-6 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

**Represents party in interest

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
2992303	A S F CO INVESTMENT L P	100	0	752,076	
2121101	A10 NETWORKS INC COMMON STOCK USD 0.0000	1,900	14,557	15,789	
00249DAA0	A10 SECURITIZATION 2013-1 LLC 2013-1 A 2	6,830	6,829	6,829	
5499131	A2A SPA COMMON STOCK EUR 0.52	840,048	969,140	1,089,830	
2535300	AARON'S INC COMMON STOCK USD 0.5	22,500	539,110	719,775	
00037BAC6	ABB FINANCE USA INC CALLABLE NOTES FIXED	1,200,000	1,162,380	1,258,992	
7108899	ABB LTD COMMON STOCK CHF 0.12	329,392	6,792,230	6,961,519	
002824BH2	ABBOTT LABORATORIES CALLABLE NOTES FIXED	41,132,000	41,053,080	42,215,417	
002824BG4	ABBOTT LABORATORIES CALLABLE NOTES FIXED	15,490,000	15,443,623	15,747,444	
002824BF6	ABBOTT LABORATORIES CALLABLE NOTES FIXED	8,615,000	8,550,904	8,555,470	
002824BE9	ABBOTT LABORATORIES CALLABLE NOTES FIXED	1,193,000	1,187,381	1,188,514	
002824BD1	ABBOTT LABORATORIES CALLABLE NOTES FIXED	22,495,000	22,455,184	22,430,889	
002824BA7	ABBOTT LABORATORIES CALLABLE NOTES FIXED	610,000	608,987	596,184	
2824100	ABBOTT LABORATORIES COMMON STOCK USD 0	163,894	3,459,781	6,295,169	
00287YAN9	ABBVIE INC CALLABLE NOTES FIXED 1.8% 14/	15,355,000	15,372,870	15,366,516	
00287YAT6	ABBVIE INC CALLABLE NOTES FIXED 2.5% 14/	7,160,000	7,168,372	7,161,862	
00287YAL3	ABBVIE INC CALLABLE NOTES FIXED 2.9% 06/	7,510,000	7,485,241	7,418,003	
00287YAY5	ABBVIE INC CALLABLE NOTES FIXED 3.2% 14/	6,537,000	6,400,630	6,219,498	
00287YAQ2	ABBVIE INC CALLABLE NOTES FIXED 3.6% 14/	16,499,000	16,698,834	16,342,095	
00287YAV1	ABBVIE INC CALLABLE NOTES FIXED 4.3% 14/	9,940,000	9,876,437	9,471,925	
00287YAM1	ABBVIE INC CALLABLE NOTES FIXED 4.4% 06/	10,373,000	10,185,128	9,758,400	
00287YAW9	ABBVIE INC CALLABLE NOTES FIXED 4.45% 14	20,525,000	20,295,860	19,653,303	
00287YAR0	ABBVIE INC CALLABLE NOTES FIXED 4.5% 14/	42,846,000	42,886,587	42,097,480	
00287YAS8	ABBVIE INC CALLABLE NOTES FIXED 4.7% 14/	6,995,000	7,028,348	6,863,004	
00287Y109	ABBVIE INC COMMON STOCK USD 0.01	165,009	4,517,918	10,332,864	
6292102	ABC-MART INC COMMON STOCK JPY	1,266	77,174	71,856	
3009107	ABERDEEN ASIA-PACIFIC INCOME FUND INC CL	889,637	4,255,386	4,119,019	
3128	ABERDEEN ASSET MANAGEMENT PLC COMMON STO	495,041	1,656,633	1,573,897	
3011103	ABERDEEN AUSTRALIA EQUITY FUND INC CLOSE	254,140	1,503,167	1,377,439	
B45L2K9	ABERDEEN EMERGING MARKETS CLOSED-END FUN	181,039	1,225,428	1,147,585	
00301T102	ABERDEEN EMERGING MARKETS SMALLER CO OPP	42,758	781,137	481,028	
B1W59J1	ABERDEEN FRONTIER MARKETS INVESTMENT CO	407,546	303,987	322,294	
00301L109	ABERDEEN ISRAEL FUND INC CLOSED-END FUND	60,765	982,923	975,886	
00306J109	ABERDEEN JAPAN EQUITY FUND INC CLOSED-EN	191,676	1,165,599	1,414,569	
6655	ABERFORTH SMALLER COMPANIES TRUST PLC CL	41,282	644,755	565,702	
4065663	ABERTIS INFRAESTRUCTURAS SA COMMON STOCK	68,324	1,040,292	958,101	
3654100	ABIOMED INC COMMON STOCK USD 0.01	3,165	317,620	356,632	
B4X8WJ1	ABN AMRO BANK NV MEDIUM TERM NOTE FIXED	600,000	678,600	664,110	
00084DAM2	ABN AMRO BANK NV MEDIUM TERM NOTE FIXED	2,390,000	2,386,797	2,355,321	
00084DAL4	ABN AMRO BANK NV MEDIUM TERM NOTE FIXED	1,200,000	1,197,924	1,223,616	
00084DAG5	ABN AMRO BANK NV MEDIUM TERM NOTE FIXED	3,385,000	3,407,227	3,411,674	
00080QAF2	ABN AMRO BANK NV NOTES FIXED 4.75% 28/JU	3,726,000	3,716,014	3,769,818	
BYQP136	ABN AMRO GROUP NV DUTCH CERT EUR 1	10,352	243,821	229,840	
6068411	ABOITIZ EQUITY VENTURES INC COMMON STOCK	175,040	282,248	249,290	
3998101	ABRY BROADCAST III L P - IBM	100	-25,136	0	
3997111	ABRY PARTNERS IV LP IBM	100	0	333,537	
3996501	ABRY PARTNERS VII, L.P	100	8,738,020	25,315,032	
3992146	ABRY PARTNERS VIII LP LTD PART USD	100	27,462,261	27,462,386	
3990033	ABRY SENIOR EQUITY II	100	0	2,330,970	
3992278	ABRY SENIOR EQUITY IV, LP	100	15,764,203	20,478,511	
00399A916	ABRY V/BULLSHEAD D	100	-208,416	2,893,186	
89399B735	ABRY VI	100	-7,414,130	16,019,222	
998120	ABS VENTURES II L P - IBM	347,530	106,498	0	
6545464	ABU DHABI COMMERCIAL BANK PJSC COMMON ST	330,698	665,047	621,257	
00404A109	ACADIA HEALTHCARE CO INC COMMON STOCK US	5,866	407,004	194,165	
4225108	ACADIA PHARMACEUTICALS INC COMMON STOCK	7,660	240,716	220,914	
4239109	ACADIA REALTY TRUST REIT USD 0.001	72,648	2,543,349	2,374,137	
G1151C101	ACCENTURE PLC COMMON STOCK USD 0.0000225	57,223	2,687,009	6,702,530	
5852842	ACCOR SA COMMON STOCK EUR 3	7,682	285,901	287,075	
004375AR2	ACCREDITED MORTGAGE LOAN TRUST 2003-3 20	76,579	51,356	74,886	
00440FAA2	ACE CAPITAL TRUST II CALLABLE BOND FIXED	900,000	1,159,142	1,318,284	
00440EAH0	ACE INA HOLDINGS INC CALLABLE NOTES FIXE	455,000	604,695	605,045	
B01ZVZ5	ACERINOX SA COMMON STOCK EUR 0.25	77,998	587,092	1,036,993	
B03MMY0	ACIBADEM SAGLIK HIZMETLERI TRY1.000	2,871	33,110	20,282	
6049784	ACOM CO LTD COMMON STOCK JPY	17,620	82,750	77,197	
00484M106	ACORDA THERAPEUTICS INC COMMON STOCK USD	1,000	24,790	18,800	
B01FLQ6	ACS ACTIVIDADES DE CONSTRUCCION Y SERVIC	65,259	1,884,850	2,066,335	
00507UAU5	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	13,045,000	12,958,471	12,806,668	
00507UAT8	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	38,044,000	37,911,671	37,655,571	
00507UAS0	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	13,054,000	13,395,105	13,069,404	
00507UAR2	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	34,446,000	35,427,516	34,963,034	
00507UAP6	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	155,000	154,992	157,148	
00507UAM3	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	8,297,000	8,318,821	8,344,957	
00507UAH4	ACTAVIS FUNDING SCS CALLABLE NOTES FIXED	12,325,000	12,427,301	12,220,238	
942683AG8	ACTAVIS INC CALLABLE NOTES FIXED 1.875%	7,000,000	6,975,150	7,013,370	
942683AF0	ACTAVIS INC CALLABLE NOTES FIXED 3.25% 0	490,000	476,163	488,001	
942683AH6	ACTAVIS INC CALLABLE NOTES FIXED 4.625%	4,520,000	4,499,993	4,376,942	
942683AE3	ACTAVIS INC NOTES FIXED 6.125% 15/AUG/20	310,000	374,998	338,684	
B1YD5Q2	ACTELION LTD COMMON STOCK CHF 0.5	19,101	2,577,660	4,144,016	
B56VQB4	ACTER CO LTD COMMON STOCK TWD 10	16,000	44,232	46,170	
00507VAJ8	ACTIVISION BLIZZARD INC CALLABLE NOTES F	400,000	398,456	379,652	
00507V109	ACTIVISION BLIZZARD INC COMMON STOCK USD	44,748	734,890	1,615,850	
00508Y102	ACUITY BRANDS INC COMMON STOCK USD 0.01	3,474	477,152	802,008	
B3BQFC4	ADARO ENERGY TBK PT COMMON STOCK IDR 100	7,166,900	692,216	901,681	
6300016	ADASTRIA CO LTD COMMON STOCK JPY	20,900	588,335	542,950	
7110720	ADECCO GROUP AG COMMON STOCK CHF 1	44,063	2,276,286	2,889,555	
L00849106	ADECOAGRO SA COMMON STOCK USD	18,020	200,286	187,048	
6847107	ADELPHIA BUSINESS SOLUTIONS INC CLASS'A'	31,743	18,142	540	
6855100	ADEPTUS HEALTH INC COMMON STOCK USD 0.01	200	1,782	1,528	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	4031976	ADIDAS AG COMMON STOCK EUR 0	33,206	4,566,943	5,258,858
	G0084W101	ADIENT PLC USD COMMON STOCK	7,906	245,537	463,297
	007036EQ5	ADJUSTABLE RATE MORTGAGE TRUST 2004-5 20	1,979,339	1,708,728	1,973,763
	007037AE4	ADJUSTABLE RATE MORTGAGE TRUST 2007-1 20	814,049	392,546	609,781
	B02J639	ADMIRAL GROUP PLC COMMON STOCK GBP 0.1	116,317	2,503,463	2,625,894
	00724F101	ADOBE SYSTEMS INC COMMON STOCK USD 0.000	39,120	519,221	4,027,404
	74166NAA2	ADT CORP/THE CALLABLE NOTES FIXED 4.875%	5,900,000	5,424,170	4,838,000
	00751YAC0	ADVANCE AUTO PARTS INC CALLABLE NOTES FI	945,000	994,830	977,168
	00751Y106	ADVANCE AUTO PARTS INC COMMON STOCK USD	5,637	154,488	953,329
	6673149	ADVANCED INFORMATION TECHNOLOGY PCL FORE	116,200	120,333	80,148
	824039S	ADVANCED MICRO DEVICES INC USD0.01	836	18,412	9,480
	00756M404	ADVANCED SEMICONDUCTOR ENGINEERING INC A	162	650	816
	00773T101	ADVANSIX INC COMMON STOCK USD 0.01	2,888	14,860	63,940
	6202673	ADVANTECH CO LTD COMMON STOCK TWD 10	47,463	316,592	374,797
	7996127	ADVENT CENTRAL & EASTERN CO INVEST (BULL	100	0	2,111,710
	7998966	ADVENT CENTRAL & EASTERN EUROPE III - BU	100	0	1,566,051
	7990492	ADVENT CENTRAL EUROPE II - IBM	100	2,857,861	0
	7998958	ADVENT CENTRAL EUROPE II SF	100	6,373,592	0
	7995103	ADVENT GLOBAL EQ III E LP IBM	1	0	3,639,153
	7992936	ADVENT GPE IV IBM	100	-36,179	0
	007992AG5	ADVENT GPE V-A - BULLSHEAD I	100	0	5,210,931
	7990930	ADVENT GPE-III CO INVT-IBM	100	0	2,945,817
	892994M84	ADVENT INTERNATIONAL GPE VI	100	0	99,107,549
	L01996542	ADVENT INTERNATIONAL GPE VII-B- LIMITED	100	61,099,909	97,221,145
	AAE9916D8	ADVENT INTERNATIONAL GPE VIII-B LIMITED	100	1,050,000	489,580
	89799W164	ADVENTCENTRAL EUROPE IV	100	22,111,909	8,837,464
	00766T100	AECOM COMMON STOCK USD 0.01	12,215	377,973	444,137
	B12BHG9	AEGEAN AIRLINES SA COMMON STOCK EUR 0.65	20,303	181,730	135,554
	Y0017S102	AEGEAN MARINE PETROLEUM NETWORK INC COMM	1,000	9,915	10,150
	007634AA6	AEGON FUNDING CO LLC CALLABLE NOTES FIXE	10,259,000	11,895,182	11,389,747
	5927375	AEGON NV COMMON STOCK EUR 0.12	398,947	1,924,333	2,199,887
	BVRZ8L1	AENA SA COMMON STOCK EUR 10	3,526	485,581	482,175
	6480048	AEON CO LTD COMMON STOCK JPY	28,844	399,749	409,531
	6476218	AEON DELIGHT CO LTD COMMON STOCK JPY	3,900	115,686	109,174
	6037734	AEON FINANCIAL SERVICE CO LTD COMMON STO	56,271	997,315	1,002,057
	6534202	AEON MALL CO LTD COMMON STOCK JPY	13,779	198,027	194,219
	0010EPAF5	AEP TEXAS CENTRAL CO CALLABLE NOTES FIXE	4,300,000	4,619,017	5,310,500
	00115AAC3	AEP TRANSMISSION CO LLC CALLABLE NOTES F	1,165,000	1,145,766	1,155,645
	00115AAA7	AEP TRANSMISSION CO LLC CALLABLE NOTES F	1,280,000	1,277,478	1,260,646
	007643AB5	AERCAP AVIATION SOLUTIONS BV CALLABLE NO	284,000	300,685	289,041
	00773HAA5	AERCAP GLOBAL AVIATION TRUST CALLABLE NO	5,600,000	5,715,863	5,649,000
	N00985106	AERCAP HOLDINGS NV COMMON STOCK USD 0.01	41,196	1,633,873	1,714,166
	00772BAR2	AERCAP IRELAND CAPITAL DAC / AERCAP GLOB	9,860,000	9,846,798	9,946,275
	00772BAM3	AERCAP IRELAND CAPITAL DAC / AERCAP GLOB	1,380,000	1,455,900	1,450,725
	00772BAF8	AERCAP IRELAND CAPITAL DAC / AERCAP GLOB	4,959,000	5,095,471	5,139,260
	00772BAD3	AERCAP IRELAND CAPITAL DAC / AERCAP GLOB	7,220,000	7,215,313	7,355,375
	00772BAB7	AERCAP IRELAND CAPITAL DAC / AERCAP GLOB	3,400,000	3,415,000	3,404,250
	B164FY1	AEROPORTS DE PARIS COMMON STOCK EUR 3	1,308	128,053	140,445
	00130HBS3	AES CORP/VA CALLABLE NOTES FIXED 7.375%	470,000	521,700	523,533
	00130H105	AES CORP/VA COMMON STOCK USD 0.01	127,745	1,920,112	1,484,397
	00817YAT5	AETNA INC CALLABLE NOTES FIXED 1.9% 07/J	4,390,000	4,386,708	4,379,947
	00817YAU2	AETNA INC CALLABLE NOTES FIXED 2.4% 15/J	4,130,000	4,089,354	4,111,291
	008117AP8	AETNA INC CALLABLE NOTES FIXED 2.75% 15/	610,000	586,745	599,264
	00817YAV0	AETNA INC CALLABLE NOTES FIXED 2.8% 15/J	5,040,000	5,032,642	4,964,450
	00817YAW8	AETNA INC CALLABLE NOTES FIXED 3.2% 15/J	8,445,000	8,368,877	8,354,385
	00817YAQ1	AETNA INC CALLABLE NOTES FIXED 3.5% 15/N	1,075,000	1,070,496	1,090,641
	00817YAH1	AETNA INC CALLABLE NOTES FIXED 3.95% 01/	1,660,000	1,777,063	1,746,137
	00817YAM0	AETNA INC CALLABLE NOTES FIXED 4.125% 15	4,635,000	4,252,764	4,421,883
	00817YAY4	AETNA INC CALLABLE NOTES FIXED 4.25% 15/	19,195,000	19,213,935	19,245,867
	00817YAX6	AETNA INC CALLABLE NOTES FIXED 4.375% 15	12,609,000	12,728,188	12,661,327
	00817YAJ7	AETNA INC CALLABLE NOTES FIXED 4.5% 15/M	575,000	562,827	583,177
	00817YAP3	AETNA INC CALLABLE NOTES FIXED 4.75% 15/	6,389,000	6,696,986	6,721,164
	00817YAF5	AETNA INC CALLABLE NOTES FIXED 6.625% 15	500,000	670,223	636,095
	00817YAG3	AETNA INC CALLABLE NOTES FIXED 6.75% 15/	5,302,000	7,016,274	6,890,532
	00817Y108	AETNA INC COMMON STOCK USD 0.01	27,157	388,364	3,367,740
	G01997827	AETOS CAPITAL ASIA TE II LP	100	92,491,792	11,583,054
	09699N692	AETOS CAPITAL ASIA TE III (P58193)	100	102,785,661	15,526,150
	8992620	AEW CORE	100	305,727,516	411,505,000
	8991010	AEW PARTNERS III L P - IBM	100	0	6,412,021
	8252108	AFFILIATED MANAGERS GROUP INC COMMON STO	4,270	343,451	620,431
	6009454	AFFIN HOLDINGS BHD COMMON STOCK MYR 1	56,000	29,209	29,835
	001055AR3	AFLAC INC CALLABLE NOTES FIXED 4% 15/OCT	13,228,000	13,057,298	12,535,382
	1055102	AFLAC INC COMMON STOCK USD 0.1	38,266	977,491	2,663,314
	00830FA*3	AFREN PLC 15% SERIES A SENIOR SEC NOTE 2	262,810	248,355	45,992
	B65RPS0	AFREN PLC CALLABLE NOTES 01/FEB/2016 USD	191,623	214,618	38
	6041122	AFRICAN RAINBOW MINERALS LTD COMMON STOC	68,992	491,101	496,944
	1084102	AGCO CORP COMMON STOCK USD 0.01	5,531	148,727	320,024
	B86S2N0	AGEAS COMMON STOCK EUR 0	35,653	1,335,696	1,414,324
	BK1PTB7	AGGREKO PLC COMMON STOCK GBP 4.832911	29,892	429,326	339,073
	B0PR2F4	AGILE GROUP HOLDINGS LTD COMMON STOCK HK	536,000	308,514	273,076
	00846U101	AGILENT TECHNOLOGIES INC COMMON STOCK US	37,697	1,125,943	1,717,475
	00847J105	AGILYSYS INC COMMON STOCK USD 0.3	3,500	28,148	36,260
	00847X104	AGIOS PHARMACEUTICALS INC COMMON STOCK U	2,487	229,541	103,783
	001192AH6	AGL CAPITAL CORP CALLABLE NOTES FIXED 5.	3,690,000	3,799,344	4,298,149
	001201A#9	AGL ENERGY LIMITED SERIES C	5,000,000	5,000,000	4,722,200
	BSS7GP5	AGL ENERGY LTD COMMON STOCK AUD 0	29,717	442,471	475,334
	00123Q104	AGNC INVESTMENT CORP REIT USD 0.01	73,591	1,658,937	1,334,205
	2009823	AGNICO EAGLE MINES LTD COMMON STOCK CAD	25,461	1,100,861	1,071,752
	B60LZR6	AGRICULTURAL BANK OF CHINA LTD COMMON ST	5,522,000	2,767,054	2,264,881

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
008916AP3	AGRIUM INC CALLABLE BOND FIXED 3.375% 15	510,000	509,261	494,006	
008916AQ1	AGRIUM INC CALLABLE BOND FIXED 4.125% 15	1,785,000	1,745,907	1,636,649	
008916AM0	AGRIUM INC CALLABLE BOND FIXED 4.9% 01/J	845,000	847,822	841,814	
008916AN8	AGRIUM INC CALLABLE BOND FIXED 5.25% 15/	2,455,000	2,447,500	2,556,588	
008916AJ7	AGRIUM INC CALLABLE BOND FIXED 6.125% 15	725,000	780,004	823,723	
008916AG3	AGRIUM INC CALLABLE BOND FIXED 7.125% 23	725,000	794,610	907,214	
2213538	AGRIUM INC COMMON STOCK CAD 0	15,206	1,489,433	1,530,295	
00131LAB1	AIA GROUP LTD CALLABLE MEDIUM TERM NOTE	730,000	729,073	704,567	
B4TX8S1	AIA GROUP LTD COMMON STOCK HKD 0	752,400	4,729,609	4,245,694	
00131L2A2	AIA GROUP LTD MEDIUM TERM NOTE FIXED 2.2	4,370,000	4,410,335	4,383,853	
6010326	AIDA ENGINEERING LTD COMMON STOCK JPY	6,400	54,941	60,853	
00138CAA6	AIG GLOBAL FUNDING MEDIUM TERM NOTE FIXE	3,460,000	3,456,782	3,463,391	
00138CAC2	AIG GLOBAL FUNDING NOTES FIXED 2.7% 15/D	8,277,000	8,266,985	8,259,204	
00139PAA6	AIG SUNAMERICA GLOBAL FINANCING X NOTES	6,505,000	8,281,436	8,298,884	
B23DL40	AIR ARABIA PJSC COMMON STOCK AED 1	397,627	161,441	143,985	
009090AA9	AIR CANADA 2015-1 CLASS A PASS THROUGH T	6,654,488	6,582,470	6,629,534	
B04KNF1	AIR CHINA LTD COMMON STOCK HKD 1	1,106,000	831,097	706,126	
4916039	AIR FRANCE-KLM COMMON STOCK EUR 1	150,971	1,400,048	823,890	
00912XAU8	AIR LEASE CORP CALLABLE NOTES FIXED 2.12	1,000,000	996,430	985,800	
00912XAP9	AIR LEASE CORP CALLABLE NOTES FIXED 2.12	4,385,000	4,369,653	4,392,805	
00912XAT1	AIR LEASE CORP CALLABLE NOTES FIXED 3% 1	2,220,000	2,190,208	2,120,966	
00912XAS3	AIR LEASE CORP CALLABLE NOTES FIXED 3.37	2,555,000	2,530,957	2,590,412	
00912XAF1	AIR LEASE CORP CALLABLE NOTES FIXED 6.12	7,000,000	7,638,750	7,061,250	
00912X302	AIR LEASE CORP COMMON STOCK USD 0.01	7,705	209,926	264,513	
00913RAE6	AIR LIQUIDE FINANCE SA CALLABLE NOTES FI	515,000	513,955	476,669	
00913RAD8	AIR LIQUIDE FINANCE SA CALLABLE NOTES FI	415,000	413,431	389,660	
00913RAC0	AIR LIQUIDE FINANCE SA CALLABLE NOTES FI	415,000	413,958	395,142	
00913RAB2	AIR LIQUIDE FINANCE SA CALLABLE NOTES FI	1,835,000	1,825,146	1,761,949	
B1YXBJ7	AIR LIQUIDE SA COMMON STOCK EUR 5.5	17,020	1,762,546	1,896,612	
9158106	AIR PRODUCTS & CHEMICALS INC COMMON STOC	65,631	7,210,931	9,439,050	
6441465	AIR WATER INC COMMON STOCK JPY	6,000	108,430	108,544	
B03J9L7	AIRASIA BHD COMMON STOCK MYR 0.1	1,513,400	740,027	772,556	
4012250	AIRBUS SE COMMON STOCK EUR 1	68,764	4,400,122	4,557,712	
6741198	AIRPORTS OF THAILAND PCL FOREIGN SH. 10	87,200	906,286	969,146	
6010702	AISIN SEIKI CO LTD COMMON STOCK JPY	8,505	362,680	369,703	
6010906	AJINOMOTO CO INC COMMON STOCK JPY	24,993	496,855	504,424	
B1TNRD8	AJISEN CHINA HOLDINGS LTD COMMON STOCK H	349,000	272,565	142,244	
00971T101	AKAMAI TECHNOLOGIES INC COMMON STOCK USD	13,770	304,661	918,184	
9728106	AKORN INC COMMON STOCK USD 0	6,780	259,152	148,007	
5458314	AKZO NOBEL NV COMMON STOCK EUR 2	55,590	3,892,578	3,482,247	
01026CAD3	ALABAMA ECONOMIC SETTLEMENT AUTH BP SETT	10,645,000	10,765,900	10,940,718	
01026CAC5	ALABAMA ECONOMIC SETTLEMENT AUTH BP SETT	5,974,000	5,974,000	6,007,395	
010392FM5	ALABAMA POWER CO CALLABLE NOTES FIXED 3.	4,950,000	4,964,739	4,677,057	
010392FJ2	ALABAMA POWER CO CALLABLE NOTES FIXED 3.	650,000	576,506	621,342	
010392FP8	ALABAMA POWER CO CALLABLE NOTES FIXED 4.	2,905,000	3,264,305	3,005,920	
010392FL7	ALABAMA POWER CO CALLABLE NOTES FIXED 4.	9,823,000	9,777,152	9,871,820	
010392FG8	ALABAMA POWER CO CALLABLE NOTES FIXED 4.	390,000	388,198	388,042	
010392FF0	ALABAMA POWER CO CALLABLE NOTES FIXED 5.	900,000	928,250	1,018,107	
010392FD5	ALABAMA POWER CO CALLABLE NOTES FIXED 5.	250,000	317,155	294,140	
010392EZ7	ALABAMA POWER CO CALLABLE NOTES FIXED 6.	950,000	1,215,317	1,188,175	
11659109	ALASKA AIR GROUP INC COMMON STOCK USD 0.	9,566	248,649	848,791	
12348108	ALBANY INTERNATIONAL CORP COMMON STOCK U	857	25,498	39,679	
B122X53	ALBARAKA TURK KATILIM BANKASI AS COMMON	197,216	107,034	66,718	
012725AB3	ALBEMARLE CORP CALLABLE NOTES FIXED 3% 0	1,110,000	1,108,613	1,135,197	
012725AC1	ALBEMARLE CORP CALLABLE NOTES FIXED 4.15	4,650,000	4,807,333	4,752,998	
012725AD9	ALBEMARLE CORP CALLABLE NOTES FIXED 5.45	5,026,000	5,189,398	5,398,628	
12653101	ALBEMARLE CORP COMMON STOCK USD 0.01	8,924	246,208	768,178	
549463AE7	ALCATEL-LUCENT USA INC NOTES FIXED 6.45%	915,000	976,763	953,888	
13872106	ALCOA CORP COMMON STOCK USD 0.01	45,494	1,421,335	1,277,472	
013822AB7	ALCOA NEDERLAND HOLDING BV CALLABLE NOTE	1,230,000	1,230,000	1,346,850	
013822AA9	ALCOA NEDERLAND HOLDING BV CALLABLE NOTE	2,110,000	2,110,000	2,289,350	
B0LX3Y2	ALDAR PROPERTIES PJSC COMMON STOCK AED 1	553,372	398,421	396,245	
01449J105	ALERE INC COMMON STOCK USD 0.001	8,258	281,707	321,814	
BP3S2Y3	ALEXANDER FORBES GROUP HOLDINGS LTD COMM	25,957	12,261	15,090	
015271AJ8	ALEXANDRIA REAL ESTATE EQUITIES INC CALL	2,650,000	2,639,427	2,638,287	
015271AH2	ALEXANDRIA REAL ESTATE EQUITIES INC CALL	345,000	371,744	354,570	
015271AG4	ALEXANDRIA REAL ESTATE EQUITIES INC CALL	2,800,000	2,815,232	2,801,568	
015271AF6	ALEXANDRIA REAL ESTATE EQUITIES INC CALL	1,700,000	1,696,481	1,696,073	
15271109	ALEXANDRIA REAL ESTATE EQUITIES INC REIT	56,786	4,593,177	6,310,628	
15351109	ALEXION PHARMACEUTICALS INC COMMON STOCK	21,473	1,244,779	2,627,222	
7332687	ALFA LAVAL AB COMMON STOCK SEK 2.84	67,642	1,021,274	1,122,825	
6687214	ALFRESA HOLDINGS CORP COMMON STOCK JPY	153,648	1,936,535	2,547,736	
01609W102	ALIBABA GROUP HOLDING LTD ADR USD 0.0000	100,263	8,810,743	8,804,094	
01609WAR3	ALIBABA GROUP HOLDING LTD CALLABLE NOTES	1,900,000	1,928,052	1,875,566	
01609WAQ5	ALIBABA GROUP HOLDING LTD CALLABLE NOTES	2,600,000	2,595,242	2,574,286	
01609WAP7	ALIBABA GROUP HOLDING LTD CALLABLE NOTES	1,800,000	1,792,044	1,798,740	
16255101	ALIGN TECHNOLOGY INC COMMON STOCK USD 0.	5,738	323,545	551,594	
2011646	ALIMENTATION COUCHE-TARD INC COMMON STOC	48,367	2,243,586	2,195,729	
G01767105	ALKERMES PLC COMMON STOCK USD 0.01	12,099	382,146	672,462	
017175AD2	ALLEGHANY CORP CALLABLE NOTES FIXED 4.9%	1,500,000	1,489,710	1,448,805	
17175100	ALLEGHANY CORP COMMON STOCK USD 1	2,792	888,707	1,697,871	
G0176J109	ALLEGIION PLC COMMON STOCK USD 0.01	16,271	621,710	1,041,344	
018490AQ5	ALLERGAN INC/UNITED STATES CALLABLE NOTE	730,000	652,277	698,997	
G0177J108	ALLERGAN PLC COMMON STOCK 0.0033	36,225	4,295,327	7,607,612	
18581108	ALLIANCE DATA SYSTEMS CORP COMMON STOCK	7,444	1,053,104	1,700,954	
B11V7W9	ALLIANCE TRUST PLC CLOSED-END FUND GBP	39,670	270,688	312,736	
01864U106	ALLIANCEBERNSTEIN NATIONAL MUNICIPAL INC	45,544	631,303	602,092	
18802108	ALLIANT ENERGY CORP COMMON STOCK USD 0.0	18,336	256,151	694,751	
6552464	ALLIANZ MALAYSIA BHD COMMON STOCK MYR 1	17,500	44,632	39,790	

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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
*	5231485	ALLIANZ SE COMMON STOCK EUR 0	45,829	6,809,756	7,589,088
	H01531104	ALLIED WORLD ASSURANCE CO HOLDINGS AG CO	44,070	1,474,615	2,367,000
	01959EAB4	ALLIED WORLD ASSURANCE CO LTD CALLABLE N	994,000	1,046,776	1,072,258
	01973R101	ALLISON TRANSMISSION HOLDINGS INC COMMON	166,468	4,902,528	5,608,307
	019736AD9	ALLISON TRANSMISSION INC CALLABLE BOND F	208,000	208,000	210,080
	01988P108	ALLSCRIPTS HEALTHCARE SOLUTIONS INC COMM	29,304	415,391	299,194
	020002BD2	ALLSTATE CORP/THE CALLABLE BOND FIXED 3.	1,600,000	1,597,824	1,605,312
	020002BB6	ALLSTATE CORP/THE CALLABLE BOND VARIABLE	1,905,000	2,016,154	1,969,580
	020002AU5	ALLSTATE CORP/THE CALLABLE BOND VARIABLE	1,100,000	1,094,461	1,248,500
	020002BC4	ALLSTATE CORP/THE CALLABLE NOTES FIXED 4	3,760,000	3,760,052	3,839,787
	020002BA8	ALLSTATE CORP/THE CALLABLE NOTES FIXED 4	1,655,000	1,743,433	1,755,326
	20002101	ALLSTATE CORP/THE COMMON STOCK USD 0.01	81,990	4,570,595	6,077,099
	020039DC4	ALLTEL CORP CALLABLE NOTES FIXED 7.875%	5,635,000	7,385,696	7,154,534
	02006TAC0	ALLY AUTO RECEIVABLES TRUST 2014-1 2014-	449,000	448,876	449,732
	02005N100	ALLY FINANCIAL INC COMMON STOCK USD 0.1	50,130	1,119,259	953,473
	02005NAS9	ALLY FINANCIAL INC NOTES FIXED 2.75% 30/	750,000	746,250	750,150
	02005NAY6	ALLY FINANCIAL INC NOTES FIXED 4.125% 13	2,650,000	2,610,409	2,626,813
	02005ACW6	ALLY MASTER OWNER TRUST 2012-5 A 1.54% 1	2,608,000	2,617,088	2,611,710
	02005ADV7	ALLY MASTER OWNER TRUST 2014-1 A2 1.29%	220,000	220,060	220,003
	02005AEB0	ALLY MASTER OWNER TRUST 2014-3 A 1.33% 1	933,000	933,583	933,113
	02005AEK0	ALLY MASTER OWNER TRUST 2014-4 A2 1.43%	2,176,000	2,177,885	2,177,285
	2051181	ALMACENES EXITO SA COMMON STOCK COP 10	111,669	728,902	554,253
	02043Q107	ALNYLAM PHARMACEUTICALS INC COMMON STOCK	14,620	713,921	547,373
	B85H8C9	ALPEK SAB DE CV COMMON STOCK MXN 0	93,480	142,599	112,395
	G6331P104	ALPHA & OMEGA SEMICONDUCTOR LTD COMMON S	1,200	17,413	25,524
	02079K305	ALPHABET INC COMMON STOCK USD 0.001	34,723	11,842,202	27,516,241
	02079K107	ALPHABET INC COMMON STOCK USD 0.001	51,471	24,795,360	39,726,347
	02083A103	ALPINE GLOBAL PREMIER PROPERTIES FUND CL	57,976	336,469	297,417
	6021500	ALPS ELECTRIC CO LTD COMMON STOCK JPY	12,100	277,850	293,176
	B86SZR5	ALS LTD COMMON STOCK AUD 0	108,014	516,717	472,406
	B0DJ8Q5	ALSTOM SA COMMON STOCK EUR 7	33,636	1,007,615	928,625
	B43WJC5	ALTAGAS LTD COMMON STOCK CAD 0	17,817	416,151	450,391
	021441AE0	ALTERA CORP CALLABLE NOTES FIXED 2.5% 15	1,285,000	1,325,786	1,307,192
	12668BBN2	ALTERNATIVE LOAN TRUST 2005-81 2005-81 A	1,547,506	1,547,506	1,262,710
	12668AST3	ALTERNATIVE LOAN TRUST 2005-J12 2005-J12	1,213,710	663,082	993,805
	02148BAC8	ALTERNATIVE LOAN TRUST 2006-33CB 2006-33	570,056	342,820	466,810
	02149CAC5	ALTERNATIVE LOAN TRUST 2006-41CB 2006-41	591,375	454,041	489,308
	02149MCL1	ALTERNATIVE LOAN TRUST 2007-J1 2007-J1 3	484,397	193,970	377,286
	02152JAA8	ALTERNATIVE LOAN TRUST RESECURITIZATION	1,940,908	1,062,693	925,728
	02154VAA9	ALTICE LUXEMBOURG SA CALLABLE NOTES FIXE	2,675,000	2,508,048	2,855,563
	BYT3405	ALTICE NV - B -W/I	4,812	85,697	96,078
	BYT3416	ALTICE NV COMMON STOCK	16,277	287,751	323,277
	02153X108	ALTISOURCE ASSET MANAGEMENT CORP COMMON	318	4,917	17,013
	02209SAU7	ALTRIA GROUP INC CALLABLE NOTES FIXED 2.	720,000	717,048	681,826
	02209SAV5	ALTRIA GROUP INC CALLABLE NOTES FIXED 3.	10,890,000	10,706,223	10,050,272
	02209S103	ALTRIA GROUP INC COMMON STOCK USD 0.333	227,130	5,121,162	15,358,531
	02209SAH6	ALTRIA GROUP INC NOTES FIXED 10.2% 06/FE	5,851,000	9,511,905	10,132,996
	02209SAN3	ALTRIA GROUP INC NOTES FIXED 2.85% 09/AU	8,300,000	8,346,827	8,310,209
	02209SAP8	ALTRIA GROUP INC NOTES FIXED 2.95% 02/MA	1,425,000	1,327,640	1,424,060
	02209SAM5	ALTRIA GROUP INC NOTES FIXED 4.25% 09/AU	13,015,000	12,447,785	12,808,332
	02209SAQ6	ALTRIA GROUP INC NOTES FIXED 4.5% 02/MAY	7,819,000	7,740,281	7,946,997
	02209SAL7	ALTRIA GROUP INC NOTES FIXED 4.75% 05/MA	3,700,000	4,174,710	4,032,260
	02209SAR4	ALTRIA GROUP INC NOTES FIXED 5.375% 31/J	19,755,000	21,133,712	22,819,396
	02209SAJ2	ALTRIA GROUP INC NOTES FIXED 9.25% 06/AU	7,111,000	8,925,556	8,390,767
	02209SAE3	ALTRIA GROUP INC NOTES FIXED 9.95% 10/NO	875,000	1,613,878	1,485,426
	6954985	ALUMINA LTD COMMON STOCK AUD 0	447,255	579,776	592,659
	6022105	AMADA HOLDINGS CO LTD COMMON STOCK JPY	112,605	1,119,010	1,259,909
	B3MSM28	AMADEUS IT GROUP SA COMMON STOCK EUR 0.0	95,415	3,859,265	4,344,584
	023135AL0	AMAZON.COM INC CALLABLE NOTES FIXED 2.6%	3,295,000	3,317,688	3,359,912
	023135AN6	AMAZON.COM INC CALLABLE NOTES FIXED 3.8%	1,085,000	1,108,197	1,140,151
	023135AP1	AMAZON.COM INC CALLABLE NOTES FIXED 4.8%	8,440,000	8,887,012	9,289,570
	023135AQ9	AMAZON.COM INC CALLABLE NOTES FIXED 4.95	13,267,000	15,100,442	15,131,677
	23135106	AMAZON.COM INC COMMON STOCK USD 0.01	49,373	12,495,745	37,023,332
	02319V103	AMBEV SA ADR USD 0	251,507	1,592,920	1,234,899
	00164V103	AMC NETWORKS INC COMMON STOCK USD	4,857	107,169	254,215
	6066608	AMCOR LTD/AUSTRALIA COMMON STOCK AUD 0	137,093	1,282,461	1,484,072
	G02602103	AMDOCS LTD COMMON STOCK USD 0.01	78,224	4,209,497	4,556,548
	28262	AMEC FOSTER WHEELER PLC COMMON STOCK GBP	63,359	647,524	367,961
	4024006	AMER SPORTS OYJ COMMON STOCK EUR 0	17,624	502,537	469,928
	23586100	AMERCO COMMON STOCK USD 0.25	505	81,737	186,643
	023608AF9	AMEREN CORP CALLABLE NOTES FIXED 2.7% 15	1,300,000	1,348,711	1,306,981
	023608AG7	AMEREN CORP CALLABLE NOTES FIXED 3.65% 1	1,040,000	1,039,074	1,045,190
	23608102	AMEREN CORP COMMON STOCK USD 0.01	24,150	906,472	1,266,909
	02361DAQ3	AMEREN ILLINOIS CO CALLABLE BOND FIXED 4	7,925,000	8,053,801	8,123,204
	02361DAM2	AMEREN ILLINOIS CO CALLABLE NOTES FIXED	2,115,000	2,150,646	2,362,730
	02364WBE4	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	7,310,000	6,776,070	6,768,475
	02364WBD6	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	1,275,000	1,245,956	1,255,505
	02364WAX3	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	2,430,000	2,604,328	2,604,207
	02364WAW5	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	8,868,000	10,262,092	10,120,605
	02364WAV7	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	900,000	973,788	962,424
	02364WAP0	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	2,000,000	2,210,572	2,263,360
	02364WAJ4	AMERICA MOVIL SAB DE CV CALLABLE NOTES F	5,485,000	6,734,957	6,368,908
	2667470	AMERICA MOVIL SAB DE CV COMMON STOCK MXN	691,400	825,593	437,295
	BNBPNT4	AMERICA MOVIL SAB DE CV NOTES FIXED 6% 0	14,400,000	1,113,558	665,354
	023772AB2	AMERICAN AIRLINES 2013-1 CLASS A PASS TH	2,126,222	2,179,377	2,190,008
	02377UAB0	AMERICAN AIRLINES 2013-2 CLASS A PASS TH	3,913,261	4,134,736	4,172,515
	02376TAC2	AMERICAN AIRLINES 2013-2 CLASS B PASS TH	4,132,199	4,148,363	4,287,156
	02377AAA6	AMERICAN AIRLINES 2014-1 CLASS A PASS TH	2,833,259	2,833,259	2,804,927
	02376XAA7	AMERICAN AIRLINES 2014-1 CLASS B PASS TH	5,088,348	5,137,441	5,075,628

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
023770AA8	AMERICAN AIRLINES 2015-1 CLASS A PASS TH	5,157,209	5,157,209	5,079,850	
023770AB6	AMERICAN AIRLINES 2015-1 CLASS B PASS TH	3,005,484	3,005,484	2,930,347	
02376YAA5	AMERICAN AIRLINES 2016-1 CLASS B PASS TH	1,749,381	1,836,850	1,793,115	
023765AA8	AMERICAN AIRLINES 2016-2 CLASS AA PASS T	2,740,000	2,740,000	2,664,650	
023771R91	AMERICAN AIRLINES 2016-3 CLASS AA PASS T	955,000	955,000	904,863	
02376R102	AMERICAN AIRLINES GROUP INC COMMON STOCK	96,224	3,695,351	4,492,699	
24013104	AMERICAN ASSETS TRUST INC REIT USD 0.01	100	3,973	4,308	
24061103	AMERICAN AXLE & MANUFACTURING HOLDINGS I	2,410	33,868	46,513	
24835100	AMERICAN CAMPUS COMMUNITIES INC REIT USD	189,949	9,182,537	9,453,762	
024836AB4	AMERICAN CAMPUS COMMUNITIES OPERATING PA	400,000	399,444	410,116	
024836AA6	AMERICAN CAMPUS COMMUNITIES OPERATING PA	3,000,000	2,989,770	3,026,790	
025537AF8	AMERICAN ELECTRIC POWER CO INC CALLABLE	660,000	659,234	660,218	
25537101	AMERICAN ELECTRIC POWER CO INC COMMON ST	60,247	2,303,129	3,793,151	
025816BL2	AMERICAN EXPRESS CO CALLABLE BOND VARIAB	6,300,000	6,300,000	5,977,125	
25816109	AMERICAN EXPRESS CO COMMON STOCK USD 0.2	118,751	5,055,804	8,797,074	
025816BG3	AMERICAN EXPRESS CO NOTES FIXED 1.55% 22	7,540,000	7,492,344	7,525,372	
025816BD0	AMERICAN EXPRESS CO NOTES FIXED 2.65% 02	851,000	638,122	837,912	
025816AX7	AMERICAN EXPRESS CO NOTES FIXED 6.15% 28	2,000,000	2,300,500	2,059,680	
025816AY5	AMERICAN EXPRESS CO NOTES FIXED 7% 19/MA	930,000	1,113,015	988,302	
02582JGG9	AMERICAN EXPRESS CREDIT ACCOUNT MASTER T	365,000	365,913	366,120	
0258MODX4	AMERICAN EXPRESS CREDIT CORP CALLABLE ME	1,170,000	1,169,076	1,179,781	
0258MODT3	AMERICAN EXPRESS CREDIT CORP CALLABLE ME	6,400,000	6,395,508	6,396,416	
0258MODJ5	AMERICAN EXPRESS CREDIT CORP MEDIUM TERM	1,480,000	1,497,301	1,489,531	
025932AK0	AMERICAN FINANCIAL GROUP INC/OH CALLABLE	400,000	398,432	383,116	
25932104	AMERICAN FINANCIAL GROUP INC/OH COMMON S	9,990	416,271	880,319	
02665T306	AMERICAN HOMES 4 RENT REIT USD 0.01	503,979	9,362,804	10,573,479	
02665WBG5	AMERICAN HONDA FINANCE CORP CALLABLE BON	1,300,000	1,297,400	1,254,578	
02665WBE0	AMERICAN HONDA FINANCE CORP CALLABLE MED	1,325,000	1,323,675	1,301,455	
26996504	AMERICAN INDL PARTNERS II IBM LTD PARTNE	9,290,393	0	437,066	
026874DH7	AMERICAN INTERNATIONAL GROUP INC CALLABL	5,485,000	5,482,258	5,581,426	
026874DF1	AMERICAN INTERNATIONAL GROUP INC CALLABL	12,133,000	12,037,154	12,593,083	
026874DE4	AMERICAN INTERNATIONAL GROUP INC CALLABL	7,755,000	8,112,797	8,037,437	
026874DD6	AMERICAN INTERNATIONAL GROUP INC CALLABL	9,971,000	9,860,597	10,035,313	
026874DC8	AMERICAN INTERNATIONAL GROUP INC CALLABL	4,310,000	4,181,858	4,048,512	
026874DB0	AMERICAN INTERNATIONAL GROUP INC CALLABL	6,295,000	6,229,529	5,767,290	
026874DA2	AMERICAN INTERNATIONAL GROUP INC CALLABL	24,057,000	24,079,207	23,722,127	
026874CY1	AMERICAN INTERNATIONAL GROUP INC CALLABL	1,210,000	1,241,254	1,256,246	
026874CW5	AMERICAN INTERNATIONAL GROUP INC CALLABL	1,487,000	1,527,763	1,871,137	
026874CU9	AMERICAN INTERNATIONAL GROUP INC CALLABL	7,095,000	7,781,948	7,753,274	
026874BS5	AMERICAN INTERNATIONAL GROUP INC CALLABL	1,108,000	1,376,485	1,401,620	
026874BE6	AMERICAN INTERNATIONAL GROUP INC CALLABL	906,000	904,864	910,530	
026874AZ0	AMERICAN INTERNATIONAL GROUP INC CALLABL	9,375,000	11,170,905	11,210,813	
26874784	AMERICAN INTERNATIONAL GROUP INC COMMON	106,827	8,827,066	6,976,871	
02765UDN1	AMERICAN MUN PWR OHIO INC REV PRAIRIE ST	580,000	708,690	682,677	
02765UCR3	AMERICAN MUN PWR OHIO INC REV PRAIRIE ST	720,000	918,213	856,606	
02765UEQ3	AMERICAN MUN PWR OHIO INC REV TAXABLE-ME	410,000	544,451	492,172	
28591105	AMERICAN NATIONAL INSURANCE CO COMMON ST	2,218	170,066	276,385	
03027XAM2	AMERICAN TOWER CORP CALLABLE NOTES FIXED	4,170,000	4,167,206	3,847,492	
03027XAK6	AMERICAN TOWER CORP CALLABLE NOTES FIXED	7,700,000	7,623,308	7,289,513	
03027XAJ9	AMERICAN TOWER CORP CALLABLE NOTES FIXED	1,305,000	1,378,119	1,333,514	
03027XAH3	AMERICAN TOWER CORP CALLABLE NOTES FIXED	1,595,000	1,596,674	1,613,167	
03027XAG5	AMERICAN TOWER CORP CALLABLE NOTES FIXED	1,775,000	1,761,297	1,779,526	
03027XAF7	AMERICAN TOWER CORP CALLABLE NOTES FIXED	1,110,000	1,107,170	1,110,588	
03027XAE0	AMERICAN TOWER CORP CALLABLE NOTES FIXED	3,870,000	3,840,600	3,920,078	
03027XAD2	AMERICAN TOWER CORP CALLABLE NOTES FIXED	1,337,000	1,362,538	1,439,494	
03027XAC4	AMERICAN TOWER CORP CALLABLE NOTES FIXED	545,000	567,677	556,963	
03027XAB6	AMERICAN TOWER CORP CALLABLE NOTES FIXED	3,876,000	3,592,110	3,887,744	
03027XAA8	AMERICAN TOWER CORP CALLABLE NOTES FIXED	1,500,000	1,497,150	1,601,805	
029912BE1	AMERICAN TOWER CORP CALLABLE NOTES FIXED	2,667,000	2,900,943	2,986,320	
029912BD3	AMERICAN TOWER CORP CALLABLE NOTES FIXED	4,105,000	4,433,989	4,213,331	
03027X100	AMERICAN TOWER CORP REIT USD 0.01	99,539	5,917,450	10,519,282	
03027WAJ1	AMERICAN TOWER TRUST #1 CALLABLE NOTES F	4,030,000	4,038,865	3,994,214	
03027WAH5	AMERICAN TOWER TRUST #1 CALLABLE NOTES F	1,715,000	1,706,837	1,713,596	
030288AB0	AMERICAN TRANSMISSION SYSTEMS INC CALLAB	1,225,000	1,212,836	1,280,836	
030288AA2	AMERICAN TRANSMISSION SYSTEMS INC CALLAB	525,000	572,859	581,039	
03040WAD7	AMERICAN WATER CAPITAL CORP CALLABLE BON	250,000	299,167	333,523	
03040WAP0	AMERICAN WATER CAPITAL CORP CALLABLE NOT	1,290,000	1,279,267	1,295,366	
03040WAJ4	AMERICAN WATER CAPITAL CORP CALLABLE NOT	325,000	324,457	340,327	
30420103	AMERICAN WATER WORKS CO INC COMMON STOCK	14,186	314,222	1,026,499	
03063NAN7	AMERICOLD 2010 LLC 2010-ARTA C 6.81% 14	749,000	835,369	837,940	
03065MAC1	AMERICREDIT AUTOMOBILE RECEIVABLES 2015-	191,721	191,725	191,943	
03065VAC1	AMERICREDIT AUTOMOBILE RECEIVABLES 2016-	272,111	272,111	272,435	
03065TAF9	AMERICREDIT AUTOMOBILE RECEIVABLES TRUST	2,160,000	2,159,358	2,140,344	
03065TAD4	AMERICREDIT AUTOMOBILE RECEIVABLES TRUST	624,000	623,972	619,770	
03065DAG2	AMERICREDIT AUTOMOBILE RECEIVABLES TRUST	1,104,000	1,103,686	1,085,938	
03065DAF4	AMERICREDIT AUTOMOBILE RECEIVABLES TRUST	2,244,000	2,243,811	2,221,215	
03065DAB3	AMERICREDIT AUTOMOBILE RECEIVABLES TRUST	311,000	310,980	311,168	
03076C106	AMERIPRISE FINANCIAL INC COMMON STOCK US	12,626	287,134	1,400,728	
03072SUP8	AMERIQUEST MORTGAGE SECURITIES INC ASSET	1,598,761	1,520,917	1,582,454	
03073EAN5	AMERISOURCEBERGEN CORP CALLABLE NOTES FI	1,700,000	1,696,821	1,627,801	
03073EAM7	AMERISOURCEBERGEN CORP CALLABLE NOTES FI	600,000	596,790	595,050	
3.07E+108	AMERISOURCEBERGEN CORP COMMON STOCK USD	29,270	972,441	2,288,621	
31100100	AMETEK INC COMMON STOCK USD 0.01	18,373	158,781	892,928	
031162CG3	AMGEN INC CALLABLE NOTES FIXED 1.85% 19/	885,000	884,035	851,034	
031162CH1	AMGEN INC CALLABLE NOTES FIXED 2.25% 19/	1,330,000	1,326,662	1,251,131	
031162CJ7	AMGEN INC CALLABLE NOTES FIXED 2.6% 19/A	4,575,000	4,491,635	4,207,811	
031162BY5	AMGEN INC CALLABLE NOTES FIXED 3.125% 01	4,100,000	4,077,696	3,990,038	
031162BD1	AMGEN INC CALLABLE NOTES FIXED 3.45% 01/	315,000	319,511	326,387	
031162BN9	AMGEN INC CALLABLE NOTES FIXED 3.625% 15	2,400,000	2,412,120	2,480,160	

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031162BV1	AMGEN INC CALLABLE NOTES FIXED 3.625% 22	7,310,000	7,297,865	7,436,024	
031162BM1	AMGEN INC CALLABLE NOTES FIXED 3.875% 15	510,000	508,572	533,878	
031162BZ2	AMGEN INC CALLABLE NOTES FIXED 4.4% 01/M	8,920,000	9,014,589	8,550,266	
031162BB5	AMGEN INC CALLABLE NOTES FIXED 4.5% 15/M	195,000	219,122	207,742	
031162CC2	AMGEN INC CALLABLE NOTES FIXED 4.563% 15	10,642,000	9,175,205	10,293,581	
031162CE8	AMGEN INC CALLABLE NOTES FIXED 4.663% 15	50,516,000	48,480,350	48,551,433	
031162BE9	AMGEN INC CALLABLE NOTES FIXED 4.95% 01/	1,075,000	1,135,058	1,115,420	
031162BK5	AMGEN INC CALLABLE NOTES FIXED 5.15% 15/	5,410,000	1,901,052	5,719,182	
031162AV2	AMGEN INC CALLABLE NOTES FIXED 5.85% 01/	900,000	1,016,199	916,563	
31162100	AMGEN INC COMMON STOCK USD 0.0001	82,347	3,884,386	12,039,955	
03152W109	AMICUS THERAPEUTICS INC COMMON STOCK USD	500	2,719	2,485	
31652100	AMKOR TECHNOLOGY INC COMMON STOCK USD 0.	8,200	55,919	86,510	
6047023	AMMB HOLDINGS BHD COMMON STOCK MYR 1	209,900	202,533	201,665	
B15SK50	AMOREPACIFIC CORP COMMON STOCK KRW 500	2,294	750,835	610,632	
6709958	AMP LTD COMMON STOCK AUD 0	262,268	913,269	957,138	
31990922	AMPEF III L P -IBM	100	5,719,778	0	
32095101	AMPHENOL CORP COMMON STOCK USD 0.001	23,936	243,651	1,608,499	
B07XWG1	AMREST HOLDINGS SE COMMON STOCK PLN 0.01	2,046	93,028	145,082	
32359309	AMTRUST FINANCIAL SERVICES INC COMMON ST	7,267	232,921	198,970	
6014908	ANA HOLDINGS INC COMMON STOCK JPY	51,822	142,716	139,869	
032479AD9	ANADARKO FINANCE CO CALLABLE BOND FIXED	8,305,000	10,172,064	10,569,358	
032511BF3	ANADARKO PETROLEUM CORP CALLABLE BOND FI	1,550,000	1,705,000	1,719,648	
032511BP1	ANADARKO PETROLEUM CORP CALLABLE NOTES F	18,978,000	20,524,035	23,406,706	
032511BN6	ANADARKO PETROLEUM CORP CALLABLE NOTES F	14,875,000	15,782,540	16,648,993	
032511BM8	ANADARKO PETROLEUM CORP CALLABLE NOTES F	14,015,000	14,395,521	15,027,444	
032511BK2	ANADARKO PETROLEUM CORP CALLABLE NOTES F	7,559,000	6,669,461	7,102,058	
032511BJ5	ANADARKO PETROLEUM CORP CALLABLE NOTES F	3,246,000	3,053,472	3,186,436	
032511BG1	ANADARKO PETROLEUM CORP CALLABLE NOTES F	6,895,000	8,539,312	8,926,405	
032511BC0	ANADARKO PETROLEUM CORP CALLABLE NOTES F	890,000	887,197	1,011,458	
032511AY3	ANADARKO PETROLEUM CORP CALLABLE NOTES F	29,762,000	34,496,057	35,421,840	
032510AC3	ANADARKO PETROLEUM CORP CALLABLE NOTES F	7,010,000	7,807,347	8,028,483	
32511107	ANADARKO PETROLEUM CORP COMMON STOCK USD	178,232	9,251,137	12,428,117	
032511BB2	ANADARKO PETROLEUM CORP PUTABLE BOND ZER	23,705,000	8,825,413	9,584,169	
032654AP0	ANALOG DEVICES INC CALLABLE NOTES FIXED	1,610,000	1,601,336	1,618,147	
032654AN5	ANALOG DEVICES INC CALLABLE NOTES FIXED	8,050,000	8,002,236	7,975,538	
032654AM7	ANALOG DEVICES INC CALLABLE NOTES FIXED	6,475,000	6,451,625	6,474,482	
032654AL9	ANALOG DEVICES INC CALLABLE NOTES FIXED	2,405,000	2,395,236	2,382,922	
032654AK1	ANALOG DEVICES INC CALLABLE NOTES FIXED	1,084,000	1,120,745	1,192,010	
32654105	ANALOG DEVICES INC COMMON STOCK USD 0.16	37,299	1,235,333	2,708,653	
B1WVF68	ANDRITZ AG COMMON STOCK EUR 0	14,578	617,331	733,365	
034863AF7	ANGLO AMERICAN CAPITAL PLC CALLABLE NOTE	3,980,000	3,940,200	3,980,000	
6761000	ANGLO AMERICAN PLATINUM LTD COMMON STOCK	7,243	170,354	140,045	
B1XZS82	ANGLO AMERICAN PLC COMMON STOCK GBP 0.54	65,237	945,550	935,077	
035229DC4	ANHEUSER-BUSCH COS LLC CALLABLE BOND FIX	1,135,000	1,344,884	1,446,399	
035229CM3	ANHEUSER-BUSCH COS LLC CALLABLE BOND FIX	950,000	1,173,412	1,211,440	
035229CL5	ANHEUSER-BUSCH COS LLC CALLABLE BOND FIX	820,000	884,509	1,004,033	
035229CJ0	ANHEUSER-BUSCH COS LLC CALLABLE BOND FIX	1,210,000	1,703,112	1,548,001	
03524BAF3	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	12,800,000	13,069,139	13,312,640	
035242AP1	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	41,142,000	42,025,479	41,766,947	
035242AN6	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	116,439,000	121,535,105	125,855,422	
035242AM8	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	87,756,000	89,608,798	92,307,904	
035242AL0	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	13,486,000	13,665,476	13,725,107	
035242AJ5	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	7,850,000	7,929,967	7,895,138	
035242AG1	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	1,560,000	1,555,772	1,562,246	
035242AE6	ANHEUSER-BUSCH INBEV FINANCE INC CALLABL	1,675,000	1,691,350	1,685,368	
035242AB2	ANHEUSER-BUSCH INBEV FINANCE INC NOTES F	4,753,000	4,474,514	4,521,576	
BYYHL23	ANHEUSER-BUSCH INBEV SA/NV COMMON STOCK	70,237	6,302,946	7,448,993	
035240AG5	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	1,500,000	1,689,344	1,632,840	
035240AD2	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	1,130,000	1,180,195	1,177,331	
03523TBQ0	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	3,900,000	3,654,500	3,507,621	
03523TBJ6	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	1,950,000	2,809,751	2,867,729	
03523TBE7	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	1,647,000	2,074,924	1,834,544	
03523TAV0	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	1,335,000	1,513,081	1,451,078	
03523TAP3	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	6,550,000	8,023,399	8,168,243	
03523TAN8	ANHEUSER-BUSCH INBEV WORLDWIDE INC CALLA	3,060,000	3,546,863	3,337,511	
03523TBP2	ANHEUSER-BUSCH INBEV WORLDWIDE INC NOTES	2,415,000	2,317,622	2,376,867	
03523TBF4	ANHEUSER-BUSCH INBEV WORLDWIDE INC NOTES	4,752,000	6,435,406	7,146,485	
35710409	ANNALY CAPITAL MANAGEMENT INC REIT USD 0	295,223	3,723,978	2,943,373	
03662Q105	ANSYS INC COMMON STOCK USD 0.01	7,623	368,441	705,051	
03674X106	ANTERO RESOURCES CORP COMMON STOCK USD	14,799	567,018	349,996	
94973VAH0	ANTHEM INC CALLABLE BOND FIXED 5.95% 15/	800,000	908,627	913,576	
94973VBE6	ANTHEM INC CALLABLE NOTES FIXED 2.3% 15/	1,475,000	1,499,652	1,484,647	
94973VBK2	ANTHEM INC CALLABLE NOTES FIXED 4.65% 15	5,445,000	5,710,434	5,511,919	
94973VBL0	ANTHEM INC CALLABLE NOTES FIXED 4.85% 15	750,000	740,506	762,495	
94973VBF3	ANTHEM INC CALLABLE NOTES FIXED 5.1% 15/	4,810,000	5,099,659	5,125,296	
36752103	ANTHEM INC COMMON STOCK USD 0.01	33,015	1,674,613	4,746,567	
03702N203	ANTHOUSA LTD GDR (144A)	4,126	35,562	0	
45614	ANTOFAGASTA PLC COMMON STOCK GBP 5	17,369	155,031	144,869	
831865209	AO SMITH CORP COMMON STOCK USD 1	13,864	270,448	656,460	
037389AK9	AON CORP BOND FIXED 8.205% 01/JAN/2027 U	860,000	914,748	1,100,800	
037389AU7	AON CORP CALLABLE NOTES FIXED 6.25% 30/S	580,000	698,970	700,907	
00185AAK0	AON PLC CALLABLE NOTES FIXED 3.875% 15/D	3,875,000	3,873,915	3,949,749	
00185AAD6	AON PLC CALLABLE NOTES FIXED 4% 27/NOV/2	950,000	998,308	985,673	
00185AAB0	AON PLC CALLABLE NOTES FIXED 4.25% 12/DE	2,115,000	1,922,783	1,981,459	
00185AAC8	AON PLC CALLABLE NOTES FIXED 4.45% 24/MA	465,000	448,581	448,344	
00185AAG9	AON PLC CALLABLE NOTES FIXED 4.6% 14/JUN	7,640,000	7,687,739	7,547,785	
00185AAH7	AON PLC CALLABLE NOTES FIXED 4.75% 15/MA	10,400,000	10,363,113	10,512,112	
G0408V102	AON PLC COMMON STOCK USD 0.01	30,605	1,124,658	3,413,376	
B1G1854	AOZORA BANK LTD COMMON STOCK JPY	235,974	830,310	835,575	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
4253059	AP MOLLER - MAERSK A/S COMMON STOCK DKK	169	216,553	255,794	
4253048	AP MOLLER - MAERSK A/S COMMON STOCK DKK	1,099	1,597,693	1,756,953	
6612670	AP THAILAND PCL NVDR THB 1	315,300	68,926	66,035	
6247306	APA GROUP STAPLED SECURITY AUD 0	49,079	287,324	304,562	
037411BD6	APACHE CORP CALLABLE NOTES FIXED 2.625%	1,555,000	1,487,280	1,495,257	
037411AZ8	APACHE CORP CALLABLE NOTES FIXED 3.25% 1	7,363,000	7,418,400	7,478,673	
037411AX3	APACHE CORP CALLABLE NOTES FIXED 3.625%	195,000	197,447	202,215	
037411BC8	APACHE CORP CALLABLE NOTES FIXED 4.25% 1	4,089,000	3,805,126	4,031,018	
037411BA2	APACHE CORP CALLABLE NOTES FIXED 4.75% 1	10,740,000	10,462,922	11,062,522	
037411AW5	APACHE CORP CALLABLE NOTES FIXED 5.1% 01	11,024,000	10,761,142	11,533,088	
037411AY1	APACHE CORP CALLABLE NOTES FIXED 5.25% 0	2,840,000	2,913,898	3,028,377	
037411AR6	APACHE CORP CALLABLE NOTES FIXED 6% 15/J	1,635,000	1,866,226	1,880,495	
037411AV7	APACHE CORP CALLABLE NOTES FIXED 6.9% 15	1,630,000	1,845,568	1,764,785	
37411105	APACHE CORP COMMON STOCK USD 0.625	66,884	3,399,750	4,245,127	
037411AJ4	APACHE CORP NOTES FIXED 7.7% 15/MAR/2026	3,000,000	3,381,600	3,602,250	
B01WBV5	APAR INDUSTRIES LTD COMMON STOCK INR 10	8,614	70,251	72,966	
03748R101	APARTMENT INVESTMENT & MANAGEMENT CO REI	167,176	7,152,748	7,598,149	
037991A06	APAX EUR VI/BULLSHEAD I	100	0	19,986,838	
37995578	APAX EUROPE IV IBM	100	7,051,383	0	
37999851	APAX EUROPE VII/1133 WEST LLC	100	0	44,592,799	
37970993	APAX FRANCE CR IV -IBM	3	120,315	0	
89199S219	APAX US VII/1133 WEST	100	0	18,123,110	
F03999657	APAX VIII-A L.P.	100	42,049,787	51,883,097	
37998929	APEX EUROPE V - IBM	100	0	348,746	
37993300	APEX UK V IBM COM NPV	7,673,441	5,339	0	
B03CVQ5	APL APOLLO TUBES LTD COMMON STOCK INR 10	2,030	28,869	27,377	
37604105	APOLLO EDUCATION GROUP INC COMMON STOCK	4,107	30,864	40,659	
03761U106	APOLLO INVESTMENT CORP COMMON STOCK USD	119,200	692,861	698,512	
03765HAB7	APOLLO MANAGEMENT HOLDINGS LP CALLABLE N	2,555,000	2,558,827	2,542,506	
6168902	APOLLO TYRES LTD COMMON STOCK INR 1	49,727	156,834	135,473	
037735CV7	APPALACHIAN POWER CO CALLABLE NOTES FIXE	590,000	575,256	602,838	
037735CT2	APPALACHIAN POWER CO CALLABLE NOTES FIXE	2,995,000	2,974,215	3,039,056	
037735CR6	APPALACHIAN POWER CO CALLABLE NOTES FIXE	1,485,000	1,612,861	1,590,376	
037735CM7	APPALACHIAN POWER CO CALLABLE NOTES FIXE	6,731,000	8,533,839	8,876,439	
037735CK1	APPALACHIAN POWER CO CALLABLE NOTES FIXE	1,855,000	2,242,428	2,377,071	
03784Y200	APPLE HOSPITALITY REIT INC REIT USD 0	17,895	345,477	357,542	
037833CB4	APPLE INC CALLABLE NOTES FIXED 1.1% 02/A	1,495,000	1,490,715	1,472,665	
037833AY6	APPLE INC CALLABLE NOTES FIXED 2.15% 09/	8,035,000	8,033,473	7,900,896	
037833BS8	APPLE INC CALLABLE NOTES FIXED 2.25% 23/	2,270,000	2,268,388	2,268,116	
037833AK6	APPLE INC CALLABLE NOTES FIXED 2.4% 03/M	3,400,000	3,469,666	3,310,648	
037833BZ2	APPLE INC CALLABLE NOTES FIXED 2.45% 04/	14,940,000	14,899,214	14,021,937	
037833AZ3	APPLE INC CALLABLE NOTES FIXED 2.5% 09/F	595,000	594,161	571,741	
037833BF6	APPLE INC CALLABLE NOTES FIXED 2.7% 13/M	2,940,000	2,934,590	2,958,669	
037833BU3	APPLE INC CALLABLE NOTES FIXED 2.85% 23/	1,275,000	1,277,296	1,282,943	
037833BG4	APPLE INC CALLABLE NOTES FIXED 3.2% 13/M	1,225,000	1,220,737	1,230,084	
037833BY5	APPLE INC CALLABLE NOTES FIXED 3.25% 23/	5,050,000	5,273,890	5,052,677	
037833BA7	APPLE INC CALLABLE NOTES FIXED 3.45% 09/	15,790,000	14,604,665	13,937,044	
037833CD0	APPLE INC CALLABLE NOTES FIXED 3.85% 04/	25,285,000	25,046,862	24,226,570	
037833AL4	APPLE INC CALLABLE NOTES FIXED 3.85% 04/	8,340,000	7,661,528	7,975,042	
037833BH2	APPLE INC CALLABLE NOTES FIXED 4.375% 13	12,615,000	12,623,735	12,959,642	
037833AT7	APPLE INC CALLABLE NOTES FIXED 4.45% 06/	4,788,000	4,988,472	4,957,878	
037833BW9	APPLE INC CALLABLE NOTES FIXED 4.5% 23/F	6,365,000	6,396,890	6,797,374	
037833BX7	APPLE INC CALLABLE NOTES FIXED 4.65% 23/	45,501,000	47,731,620	49,134,255	
37833100	APPLE INC COMMON STOCK USD 0.00001	792,022	36,600,290	91,731,988	
038222AK1	APPLIED MATERIALS INC CALLABLE NOTES FIX	1,595,000	1,589,625	1,773,672	
038222AG0	APPLIED MATERIALS INC CALLABLE NOTES FIX	1,622,000	1,815,428	1,941,437	
38222105	APPLIED MATERIALS INC COMMON STOCK USD 0	169,358	3,034,706	5,465,183	
38336103	APTARGROUP INC COMMON STOCK USD 0.01	8,481	472,990	622,929	
G05991917	AQR GRP 10 OFFSHORE FUND LTD.	1,000	99,966,667	121,077,715	
03836WE*0	AQUA AMERICA INC	2,000,000	2,000,000	1,769,200	
03836W103	AQUA AMERICA INC COMMON STOCK USD 0.5	36,248	739,080	1,088,890	
03852U106	ARAMARK COMMON STOCK USD 0.01	83,523	2,823,376	2,983,442	
38923108	ARBOR REALTY TRUST INC REIT USD 0.01	1,193	8,312	8,900	
00191G103	ARC DOCUMENT SOLUTIONS INC COMMON STOCK	4,500	31,698	22,860	
B6463M8	ARC RESOURCES LTD COMMON STOCK CAD 0	105,481	1,881,015	1,817,729	
B03MP18	ARCELIK AS COMMON STOCK TRY 1	290,611	1,829,515	1,751,465	
03938LAZ7	ARCELORMITTAL CALLABLE BOND FIXED 6.125%	575,000	576,602	629,625	
03938LAF1	ARCELORMITTAL CALLABLE NOTES FIXED 6.125	2,540,000	2,790,300	2,676,525	
03938LAS3	ARCELORMITTAL CALLABLE NOTES FIXED 7.25%	1,730,000	1,697,128	1,842,450	
B03XPL1	ARCELORMITTAL COMMON STOCK EUR 0	531,657	3,825,418	3,934,329	
03938L104	ARCELORMITTAL NY REG SHRS USD 0	108,209	691,486	789,926	
03939CAB9	ARCH CAPITAL FINANCE LLC CALLABLE NOTES	3,575,000	3,584,892	3,747,994	
03939CAA1	ARCH CAPITAL FINANCE LLC CALLABLE NOTES	350,000	352,353	355,037	
G0450A105	ARCH CAPITAL GROUP LTD COMMON STOCK USD	9,239	226,490	797,233	
039483BL5	ARCHER-DANIELS-MIDLAND CO CALLABLE NOTES	1,400,000	1,395,940	1,322,440	
39483102	ARCHER-DANIELS-MIDLAND CO COMMON STOCK U	53,411	1,082,435	2,438,212	
03965L100	ARCONIC INC	119,587	2,991,746	2,217,143	
013817AW1	ARCONIC INC CALLABLE NOTES FIXED 5.125%	4,085,000	4,099,750	4,187,125	
013817AV3	ARCONIC INC CALLABLE NOTES FIXED 5.4% 15	2,337,000	2,372,055	2,477,220	
6721930	ARCS CO LTD COMMON STOCK JPY	6,700	149,687	151,250	
03968@AH5	ARCTIC SLOPE REGIONAL CORP	5,000,000	5,000,000	4,765,000	
03968@AJ1	ARCTIC SLOPE REGIONAL CORP 3.620 12/21/2	3,000,000	3,000,000	2,802,240	
04010L103	ARES CAPITAL CORP COMMON STOCK USD 0.001	54,800	825,685	903,652	
040114GS3	ARGENTINE REPUBLIC BOND FIXED 7.5% 22/AP	17,130,000	17,296,500	17,986,500	
040114GU8	ARGENTINE REPUBLIC BOND FIXED 7.625% 22/	2,510,000	2,403,526	2,510,000	
40413106	ARISTA NETWORKS INC COMMON STOCK USD 0.0	3,121	244,135	302,019	
6253983	ARISTOCRAT LEISURE LTD COMMON STOCK AUD	93,612	887,907	1,050,659	
040555CU6	ARIZONA PUBLIC SERVICE CO CALLABLE NOTES	3,030,000	3,021,304	2,841,776	
040555CN2	ARIZONA PUBLIC SERVICE CO CALLABLE NOTES	2,020,000	2,063,626	2,121,404	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
040555CM4	ARIZONA PUBLIC SERVICE CO CALLABLE NOTES	495,000	589,307	558,256	
B025YZ2	ARKEMA SA COMMON STOCK EUR 10	15,841	1,466,972	1,552,869	
04238R106	ARMSTRONG FLOORING INC COMMON STOCK USD	16,220	183,788	322,940	
04247X102	ARMSTRONG WORLD INDUSTRIES INC COMMON ST	44,009	1,712,479	1,839,576	
4.27E+110	ARQULE INC COMMON STOCK USD 0.01	44,700	116,143	56,322	
G0551A103	ARRIS INTERNATIONAL PLC COMMON STOCK USD	40,614	1,083,262	1,223,700	
042735BB5	ARROW ELECTRONICS INC CALLABLE NOTES FIX	3,000,000	3,043,050	3,034,170	
42735100	ARROW ELECTRONICS INC COMMON STOCK USD 1	7,343	154,589	523,556	
363576109	ARTHUR J GALLAGHER & CO COMMON STOCK USD	13,920	455,300	723,283	
04316A108	ARTISAN PARTNERS ASSET MANAGEMENT INC CO	17,560	756,464	522,410	
B39VJC9	ARYZTA AG COMMON STOCK CHF 0.02	3,842	160,362	169,542	
6055208	ASAHI GLASS CO LTD COMMON STOCK JPY	247,341	1,399,885	1,688,030	
6054409	ASAHI GROUP HOLDINGS LTD COMMON STOCK JP	26,796	866,259	847,749	
6054603	ASAHI KASEI CORP COMMON STOCK JPY	153,788	1,387,292	1,344,252	
BNKVHC4	ASALEO CARE LTD COMMON STOCK AUD 0	181,803	203,179	194,832	
6563875	ASCENDAS REAL ESTATE INVESTMENT TRUST RE	150,461	253,004	236,413	
04351LAB6	ASCENSION HEALTH CALLABLE NOTES FIXED 3.	3,354,000	3,354,000	3,202,466	
04351LAA8	ASCENSION HEALTH CALLABLE NOTES FIXED 4.	780,000	776,038	850,473	
00299A974	ASF COINVEST III/1133 WEST	100	0	28,241,903	
43992239	ASF CO-INVEST II-IBM	100	0	2,163,762	
0AH99E788	ASF VI B L P	100	40,046,901	50,891,578	
04499A164	ASF VII B L.P.	100	4,611,188	5,002,796	
44186104	ASHLAND GLOBAL HOLDINGS INC COMMON STOCK	21,387	2,157,395	2,337,385	
044209AK0	ASHLAND LLC CALLABLE NOTES FIXED 3.875%	5,000,000	5,007,500	5,131,250	
044209AF1	ASHLAND LLC CALLABLE NOTES FIXED 4.75% 1	1,500,000	1,485,938	1,553,438	
53673	ASHTAD GROUP PLC COMMON STOCK GBP 10	30,958	532,502	604,401	
6057152	ASIA HOLDINGS CO LTD COMMON STOCK KRW 50	464	49,205	39,569	
42990101	ASIA/ARRAL PACIFIC TR L P - IBM	10,017,703	380,799	0	
BCRWL65	ASIAN PAINTS LTD COMMON STOCK INR 1	59,770	873,749	784,707	
6057378	ASICS CORP COMMON STOCK JPY	18,426	385,803	368,883	
6002453	ASM PACIFIC TECHNOLOGY LTD COMMON STOCK	10,688	104,445	113,247	
B929F46	ASML HOLDING NV COMMON STOCK EUR 0.09	31,705	2,964,557	3,566,466	
N07059210	ASML HOLDING NV NY REG SHRS USD 0.09	4,426	473,788	496,597	
G05384105	ASPEN INSURANCE HOLDINGS LTD COMMON STOC	18,547	684,963	1,020,085	
B09C021	ASPEN PHARMACARE HOLDINGS LTD COMMON STO	22,759	616,416	471,956	
45327103	ASPEN TECHNOLOGY INC COMMON STOCK USD 0.	9,408	430,724	514,429	
BYPC1T4	ASSA ABLOY AB COMMON STOCK SEK 1	275,510	2,723,753	5,128,321	
4056719	ASSICURAZIONI GENERALI SPA COMMON STOCK	119,295	1,483,081	1,776,669	
45487105	ASSOCIATED BANC-CORP COMMON STOCK USD 0.	12,283	227,913	303,390	
673123	ASSOCIATED BRITISH FOODS PLC COMMON STOC	27,593	872,368	935,916	
04570XAB5	ASSOCIATED MATERIALS LLC / AMH NEW FINAN	75,000	72,750	75,000	
04621XAE8	ASSURANT INC CALLABLE NOTES FIXED 2.5% 1	4,345,000	4,345,826	4,390,405	
04621X108	ASSURANT INC COMMON STOCK USD 0.01	5,610	232,159	520,945	
G0585R106	ASSURED GUARANTY LTD COMMON STOCK USD 0.	105,288	3,487,667	3,976,728	
6985383	ASTELLAS PHARMA INC COMMON STOCK JPY	265,395	3,787,946	3,694,164	
B800MQ5	ASTRA INTERNATIONAL TBK PT COMMON STOCK	2,297,600	1,121,353	1,411,218	
46353108	ASTRAZENECA PLC ADR USD	17,493	476,767	477,909	
046353AK4	ASTRAZENECA PLC CALLABLE NOTES FIXED 2.3	4,820,000	4,804,370	4,803,612	
046353AL2	ASTRAZENECA PLC CALLABLE NOTES FIXED 3.3	1,775,000	1,760,194	1,762,735	
046353AG3	ASTRAZENECA PLC CALLABLE NOTES FIXED 4%	3,250,000	3,256,482	3,079,700	
046353AM0	ASTRAZENECA PLC CALLABLE NOTES FIXED 4.3	8,500,000	8,504,294	8,531,875	
5659902	ASTRAZENECA PLC COMMON STOCK GBP 0.25	8,716	487,355	476,931	
989529	ASTRAZENECA PLC COMMON STOCK GBP 0.25	65,076	3,565,963	3,568,245	
046353AD0	ASTRAZENECA PLC NOTES FIXED 6.45% 15/SEP	3,815,000	4,668,280	4,935,427	
6129222	ASX LTD COMMON STOCK AUD 0	16,486	603,128	593,772	
45919107	AT HOME CORP COM STK SER 'A' USD0.01	165,924	5,460,391	183	
001957BD0	AT&T CORP CALLABLE NOTES FIXED 8% 15/NOV	8,772,000	11,172,452	12,194,220	
00206RAJ1	AT&T INC CALLABLE BOND FIXED 5.5% 01/FEB	2,880,000	3,299,740	2,992,291	
00206RCU4	AT&T INC CALLABLE BOND FIXED 5.65% 15/FE	3,365,000	3,357,126	3,608,963	
00206RBF8	AT&T INC CALLABLE NOTES FIXED 1.7% 01/JU	2,435,000	2,469,334	2,438,336	
00206RCW0	AT&T INC CALLABLE NOTES FIXED 1.75% 15/J	1,915,000	1,898,807	1,916,168	
00206RBN1	AT&T INC CALLABLE NOTES FIXED 2.625% 01/	1,225,000	1,183,497	1,174,555	
00206RBD3	AT&T INC CALLABLE NOTES FIXED 3% 15/FEB/	2,000,000	1,970,100	1,980,480	
00206RCM2	AT&T INC CALLABLE NOTES FIXED 3% 30/JUN/	2,390,000	2,403,010	2,346,048	
00206RCN0	AT&T INC CALLABLE NOTES FIXED 3.4% 15/MA	16,330,000	15,919,224	15,739,181	
00206RCS9	AT&T INC CALLABLE NOTES FIXED 3.6% 17/FE	35,252,000	35,855,260	35,552,347	
00206RDB5	AT&T INC CALLABLE NOTES FIXED 3.8% 15/MA	7,272,000	7,330,472	7,454,818	
00206RAZ5	AT&T INC CALLABLE NOTES FIXED 3.875% 15/	460,000	479,859	474,927	
00206RDD1	AT&T INC CALLABLE NOTES FIXED 3.95% 15/J	2,780,000	2,777,212	2,784,809	
00206RCT7	AT&T INC CALLABLE NOTES FIXED 4.125% 17/	7,075,000	7,411,503	7,163,933	
00206RBH4	AT&T INC CALLABLE NOTES FIXED 4.3% 15/DE	32,260,000	28,050,467	28,878,507	
00206RBK7	AT&T INC CALLABLE NOTES FIXED 4.35% 15/J	37,318,000	34,190,574	33,251,458	
00206RDC3	AT&T INC CALLABLE NOTES FIXED 4.45% 01/A	1,135,000	1,188,321	1,183,169	
00206RAX0	AT&T INC CALLABLE NOTES FIXED 4.45% 15/M	1,920,000	2,071,496	2,030,554	
00206RDJ8	AT&T INC CALLABLE NOTES FIXED 4.5% 09/MA	84,919,000	76,617,501	76,305,666	
00206RCP5	AT&T INC CALLABLE NOTES FIXED 4.5% 15/MA	15,135,000	15,066,074	14,622,983	
00206RDK5	AT&T INC CALLABLE NOTES FIXED 4.55% 09/M	33,090,000	26,644,187	29,889,204	
00206RCQ3	AT&T INC CALLABLE NOTES FIXED 4.75% 15/M	29,703,000	29,419,249	28,141,216	
00206RCG5	AT&T INC CALLABLE NOTES FIXED 4.8% 15/JU	29,133,000	28,940,855	27,528,063	
00206RDH2	AT&T INC CALLABLE NOTES FIXED 5.15% 15/M	18,962,000	18,908,392	18,889,376	
04650NAB0	AT&T INC CALLABLE NOTES FIXED 5.35% 01/S	4,917,000	4,854,857	5,049,759	
00206RAR3	AT&T INC CALLABLE NOTES FIXED 5.8% 15/FE	730,000	827,594	784,918	
00206RDF6	AT&T INC CALLABLE NOTES FIXED 6% 15/AUG/	12,945,000	13,987,585	14,227,979	
00206RDE9	AT&T INC CALLABLE NOTES FIXED 6.35% 15/M	11,560,000	12,967,908	13,171,002	
00206RDG4	AT&T INC CALLABLE NOTES FIXED 6.375% 01/	2,461,000	2,656,201	2,834,137	
00206R102	AT&T INC COMMON STOCK USD 1	675,669	17,522,554	28,736,203	
00206RBA9	AT&T INC NOTES FIXED 5.55% 15/AUG/2041 U	1,534,000	1,566,839	1,597,124	
00206RAE2	AT&T INC PUTABLE NOTES ZERO CPN 27/NOV/2	3,000,000	2,302,500	2,395,770	
17248RAJ5	AT&T MOBILITY LLC CALLABLE NOTES FIXED 7	2,125,000	2,960,125	2,659,140	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	2060615	ATCO LTD/CANADA COMMON STOCK CAD 0	8,772	279,811	292,127
	04685W103	ATHENAHEALTH INC COMMON STOCK USD 0.01	3,124	396,492	328,551
	7667163	ATLANTIA SPA COMMON STOCK EUR 1	21,960	492,856	515,593
	04878Q863	ATLANTIC POWER CORP COMMON STOCK CAD 0	5,050	15,051	12,625
	BXC8BW1	ATLAS COPCO AB COMMON STOCK SEK 0.64	41,822	1,095,622	1,144,459
	BXC8BS7	ATLAS COPCO AB COMMON STOCK SEK 0.64	93,622	2,726,260	2,859,796
	G06242104	ATLASSIAN CORP PLC COMMON STOCK USD 0.1	7,691	200,370	185,199
	049560AM7	ATMOS ENERGY CORP CALLABLE NOTES FIXED 4	1,160,000	1,157,819	1,153,771
	49560105	ATMOS ENERGY CORP COMMON STOCK USD 0	9,355	330,250	693,673
	5654781	ATOS SE COMMON STOCK EUR 1	17,729	1,582,527	1,874,641
	049992AB6	ATV VII - BULLSHEAD D	100	-259,130	1,597,154
	89799Q324	ATV VIII/1133 WEST LLC	100	32,337,950	38,399,853
	6288190	AU OPTRONICS CORP COMMON STOCK TWD 10	3,329,000	1,367,821	1,218,846
	BKX3XG2	AUCKLAND INTERNATIONAL AIRPORT LTD COMMO	93,063	445,434	405,580
	B87CVM3	AURIZON HOLDINGS LTD COMMON STOCK AUD	460,963	1,403,507	1,685,606
	5485527	AURUBIS AG COMMON STOCK EUR 0	7,823	380,719	452,172
	BPMR7J0	AUSNET SERVICES COMMON STOCK AUD 0	79,646	88,175	91,121
	XMHH7COM	AUST 10Y BOND FUT BOND 15/MAR/2017 XMH7	2	0	1,242
	052528AK2	AUSTRALIA & NEW ZEALAND BANKING GROUP LT	2,940,000	2,938,589	2,977,367
	6065586	AUSTRALIA & NEW ZEALAND BANKING GROUP LT	198,804	4,363,863	4,379,080
	AUD COLL	AUSTRALIAN DOLLAR	83,563	61,563	60,508
	AUD	AUSTRALIAN DOLLAR		751,597	741,225
	BVYVFW2	AUTO TRADER GROUP PLC COMMON STOCK GBP 1	107,921	530,963	545,412
	52769106	AUTODESK INC COMMON STOCK USD 0.01	21,094	508,839	1,561,167
	053015AE3	AUTOMATIC DATA PROCESSING INC CALLABLE N	464,000	503,876	475,795
	53015103	AUTOMATIC DATA PROCESSING INC COMMON STO	49,568	1,595,974	5,094,599
	05329WAL6	AUTONATION INC CALLABLE NOTES FIXED 3.35	655,000	654,987	658,170
	05329WAM4	AUTONATION INC CALLABLE NOTES FIXED 4.5%	5,200,000	5,230,465	5,260,736
	05329W102	AUTONATION INC COMMON STOCK USD 0.01	5,235	187,384	254,683
	053332AS1	AUTOZONE INC CALLABLE NOTES FIXED 2.5% 1	150,000	149,943	148,314
	053332AN2	AUTOZONE INC CALLABLE NOTES FIXED 2.875%	825,000	785,781	811,264
	053332AT9	AUTOZONE INC CALLABLE NOTES FIXED 3.125%	3,095,000	3,163,585	2,978,380
	053332AL6	AUTOZONE INC CALLABLE NOTES FIXED 4% 15/	1,175,000	1,249,455	1,233,163
	053332AJ1	AUTOZONE INC CALLABLE NOTES FIXED 7.125%	1,510,000	1,732,232	1,633,110
	53332102	AUTOZONE INC COMMON STOCK USD 0.01	2,347	397,484	1,853,637
	6C1309B	AVAGO TECH CAYMAN FIN CL LTD TLB 3 LX153	2,557,507	2,522,288	2,597,954
	05348EAS8	AVALONBAY COMMUNITIES INC CALLABLE BOND	3,100,000	3,181,905	3,218,978
	05348EAZ2	AVALONBAY COMMUNITIES INC CALLABLE MEDIU	530,000	527,854	492,015
	53484101	AVALONBAY COMMUNITIES INC REIT USD 0.01	64,697	8,867,857	11,461,074
	05351W103	AVANGRID INC	30,744	1,208,906	1,164,583
	53611109	AVERY DENNISON CORP COMMON STOCK USD 1	10,037	501,353	704,798
	6040958	AVI LTD COMMON STOCK ZAR 5	118,541	774,637	791,949
	05367AAA1	AVIATION CAPITAL GROUP CORP CALLABLE NOT	2,300,000	2,705,375	2,656,500
	53774105	AVIS BUDGET GROUP INC COMMON STOCK USD 0	6,213	180,081	227,893
	05377RCK8	AVIS BUDGET RENTAL CAR FUNDING AESOP LLC	782,000	781,902	765,757
	05377RBV5	AVIS BUDGET RENTAL CAR FUNDING AESOP LLC	820,000	823,295	816,637
	05377RBN3	AVIS BUDGET RENTAL CAR FUNDING AESOP LLC	703,000	708,979	701,307
	05377RBB9	AVIS BUDGET RENTAL CAR FUNDING AESOP LLC	479,000	483,247	479,490
	216238	AVIVA PLC COMMON STOCK GBP 25	169,004	967,326	1,015,748
	53807103	AVNET INC COMMON STOCK USD 1	20,562	661,419	978,957
	54303102	AVON PRODUCTS INC COMMON STOCK USD 0.25	39,010	159,317	196,610
	05499A930	AXA EARLY SECONDARY FUND III 2/1133 WEST	100	166,837	7,808,598
	54994579	AXA EARLY SECONDARY FUND IV LP	100	4,500,215	21,295,046
	054994S90	AXA EARLY SECONDARY FUND V B L.P.	100	12,646,478	14,478,964
	054536AA5	AXA SA BOND FIXED 8.6% 15/DEC/2030 USD 1	1,000,000	1,180,022	1,375,000
	7088429	AXA SA COMMON STOCK EUR 2.29	337,445	7,653,611	8,536,744
	2993657	AXA SECONDARY FD V LP.	100	8,946,397	35,474,722
	2991958	AXA SECONDARY FUND II LP IBM LPSHARES	100	844,952	534,938
	2997906	AXA SECONDARY FUND III - BULLSHEAD I	100	2,995,550	446,748
	54990072	AXA SECONDARY FUND IV/1133 WEST LLC	100	0	30,642,588
	2991941	AXA SECONDARY FUND L P IBM LPSHARES	100	47,267	180,388
	G0750C108	AXALTA COATING SYSTEMS LTD COMMON STOCK	184,348	5,112,737	5,014,266
	4647317	AXEL SPRINGER SE COMMON STOCK EUR 1	21,667	1,175,945	1,054,221
	BVGH0K1	AXFOOD AB COMMON STOCK SEK 5	41,262	556,112	650,410
	BPFJHC7	AXIS BANK LTD COMMON STOCK INR 2	36,087	323,880	239,242
	G0692U109	AXIS CAPITAL HOLDINGS LTD COMMON STOCK U	8,423	355,258	549,769
	05463HAA9	AXIS SPECIALTY FINANCE LLC CALLABLE NOTE	350,000	352,674	383,646
	05464HAB6	AXIS SPECIALTY FINANCE PLC CALLABLE NOTE	2,450,000	2,437,113	2,423,785
	6055112	AYALA LAND INC COMMON STOCK PHP 1	1,011,600	828,859	651,168
	6985543	AZBIL CORP COMMON STOCK JPY	21,100	246,053	595,182
	B5MN1W0	AZRIELI GROUP LTD COMMON STOCK ILS 0.1	1,603	65,587	69,599
	73302101	B/E AEROSPACE INC COMMON STOCK USD 0.01	8,098	240,506	487,419
	05614L100	BABCOCK & WILCOX ENTERPRISES INC COMMON	54,418	850,505	902,795
	969703	BABCOCK INTERNATIONAL GROUP PLC COMMON S	15,195	197,777	178,932
	056335AA0	BAC CAPITAL TRUST XI CALLABLE BOND FIXED	10,400,000	10,095,384	11,506,040
	05523UAK6	BAE SYSTEMS HOLDINGS INC CALLABLE BOND F	5,089,000	5,096,200	5,214,749
	05523UAM2	BAE SYSTEMS HOLDINGS INC CALLABLE NOTES	45,000	44,842	45,066
	05523UAL4	BAE SYSTEMS HOLDINGS INC CALLABLE NOTES	585,000	592,481	591,985
	05523RAC1	BAE SYSTEMS PLC CALLABLE NOTES FIXED 5.8	490,000	602,872	558,776
	263494	BAE SYSTEMS PLC COMMON STOCK GBP 2.5	706,144	4,236,828	5,161,114
	BTf8BT7	BAIC MOTOR CORP LTD COMMON STOCK HKD 1	159,000	179,485	141,504
	BOFXt17	BAIDU INC ADR USD 0.00005	3,225	345,236	530,222
	56752108	BAIDU INC ADR USD 0.00005	17,658	3,400,376	2,903,152
	056752AD0	BAIDU INC CALLABLE NOTES FIXED 2.75% 09/	2,170,000	2,160,750	2,192,785
	056752AF5	BAIDU INC CALLABLE NOTES FIXED 3% 30/JUN	1,300,000	1,298,258	1,302,561
	48583	BAILLIE GIFFORD JAPAN TRUST PLC/THE CLOS	108,409	740,476	750,151
	56999311	BAIN CAPITAL FUND XI LP	100	12,468,544	21,075,816
	892994P81	BAIN CAPITAL X	100	3,237,472	41,078,044
	BD2N0P2	BAJAJ FINANCE LTD COMMON STOCK INR 2	46,856	566,907	581,437

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
057224BC0	BAKER HUGHES INC CALLABLE NOTES FIXED 3.	430,000	430,356	439,206	
57224107	BAKER HUGHES INC COMMON STOCK USD 1	36,433	1,059,127	2,367,052	
057224AZ0	BAKER HUGHES INC NOTES FIXED 5.125% 15/S	1,150,000	1,200,600	1,264,253	
58498106	BALL CORP COMMON STOCK USD 0	13,579	334,683	1,019,376	
6152745	BALMER LAWRIE & CO LTD COMMON STOCK INR	17,452	35,630	60,633	
7124594	BALOISE HOLDING AG COMMON STOCK CHF 0.1	3,452	396,235	435,767	
059165EH9	BALTIMORE GAS & ELECTRIC CO CALLABLE NOT	3,135,000	3,132,116	2,820,842	
059165EC0	BALTIMORE GAS & ELECTRIC CO CALLABLE NOT	1,600,000	1,649,377	2,031,184	
05525YAA8	BAMLL COMMERCIAL MORTGAGE SECURITIES TRU	600,000	598,874	600,962	
05524UAA7	BAMLL COMMERCIAL MORTGAGE SECURITIES TRU	1,412,000	1,478,684	1,420,122	
059475AF0	BANC OF AMERICA ALTERNATIVE LOAN TRUST 2	828,620	567,009	707,248	
059512AE3	BANC OF AMERICA COMMERCIAL MORTGAGE TRUS	289,666	295,037	291,292	
059511AE5	BANC OF AMERICA COMMERCIAL MORTGAGE TRUS	102,114	103,600	102,037	
05951EAM9	BANC OF AMERICA FUNDING 2006 J TRUST 200	89,276	85,529	75,043	
05950HAA9	BANC OF AMERICA FUNDING 2006-F TRUST 200	261,842	259,983	253,662	
05956MAA2	BANC OF AMERICA RE-REMIC TRUST 2010-UBER	564,880	599,037	567,563	
BVG7GW5	BANCO BILBAO VIZCAYA ARGENTARIA SA CALLA	1,200,000	1,226,847	1,205,225	
BJVNTZ8	BANCO BILBAO VIZCAYA ARGENTARIA SA CALLA	200,000	206,483	202,309	
B8CLP90	BANCO BILBAO VIZCAYA ARGENTARIA SA CALLA	200,000	220,750	208,199	
5501906	BANCO BILBAO VIZCAYA ARGENTARIA SA COMMO	349,834	2,359,388	2,366,685	
59460303	BANCO BRADESCO SA ADR USD 0	62,100	534,503	540,891	
B00FM53	BANCO BRADESCO SA PREFERENCE BRL 0	106,254	954,702	946,743	
B4KC973	BANCO DAVIVIENDA SA PREFERENCE COP 170	17,785	182,791	177,732	
B1X8QN2	BANCO DE SABADELL SA COMMON STOCK EUR 0.	583,932	770,990	814,839	
2328595	BANCO DO BRASIL SA COMMON STOCK BRL 0	256,500	3,146,738	2,213,748	
05958AAK4	BANCO DO BRASIL SA/CAYMAN CALLABLE BOND	1,200,000	816,900	877,800	
05958AAL2	BANCO DO BRASIL SA/CAYMAN CALLABLE NOTES	688,000	631,503	646,720	
B23FS89	BANCO DO ESTADO DO RIO GRANDE DO SUL SA	191,900	756,417	608,476	
4058061	BANCO ESPIRITO SANTO SA COMMON STOCK 0	925,173	950,581	117,099	
BM5G6V9	BANCO ESPIRITO SANTO SA MEDIUM TERM NOTE	1,900,000	2,016,453	551,107	
05961W105	BANCO MACRO SA ADR USD	6,891	501,414	443,436	
059613AC3	BANCO NACIONAL DE COSTA RICA NOTES FIXED	2,970,000	2,960,496	2,995,988	
BBHXPNE	BANCO POPULAR ESPANOL SA COMMON STOCK EU	587,284	722,181	568,644	
05967A107	BANCO SANTANDER BRASIL SA ADR USD 0	88,686	598,411	788,419	
05965X109	BANCO SANTANDER CHILE ADR USD	49,682	1,184,208	1,086,545	
05969BAA1	BANCO SANTANDER MEXICO SA INSTITUCION DE	1,000,000	1,008,000	995,000	
5705946	BANCO SANTANDER SA COMMON STOCK EUR 0.5	1,252,089	6,408,306	6,549,058	
05969A105	BANCORP INC/THE COMMON STOCK USD 1	10,490	47,834	82,451	
B0JDQD4	BANDAI NAMCO HOLDINGS INC COMMON STOCK J	95,714	1,747,551	2,646,527	
6077019	BANGKOK BANK PCL COMMON STOCK THB 10	97,200	564,363	438,357	
6368360	BANGKOK BANK PCL NVDR THB 10	31,400	156,345	139,856	
BLZGSM7	BANGKOK DUSIT MEDICAL SERVICES PCL FOREI	987,400	634,755	636,934	
B18THH1	BANK BUKOPIN TBK COMMON STOCK IDR 100	314,900	22,204	14,959	
B01C1P6	BANK CENTRAL ASIA TBK PT COMMON STOCK ID	197,700	226,419	227,452	
6075808	BANK HAPQALIM BM COMMON STOCK ILS 1	46,784	272,740	278,493	
6076425	BANK LEUMI LE-ISRAEL BM COMMON STOCK ILS	74,081	291,780	305,282	
6727121	BANK NEGARA INDONESIA PERSERO TBK PT COM	1,648,500	650,803	676,041	
060505EU4	BANK OF AMERICA CORP CALLABLE BOND VARIA	1,270,000	1,270,000	1,327,150	
060505EN0	BANK OF AMERICA CORP CALLABLE BOND VARIA	6,103,000	6,167,472	6,136,567	
060505EH3	BANK OF AMERICA CORP CALLABLE BOND VARIA	3,702,000	3,778,940	3,702,000	
060505DR2	BANK OF AMERICA CORP CALLABLE BOND VARIA	5,000,000	5,475,000	5,137,500	
06051GGC7	BANK OF AMERICA CORP CALLABLE MEDIUM TER	8,895,000	8,890,617	8,900,693	
06051GGB9	BANK OF AMERICA CORP CALLABLE MEDIUM TER	2,450,000	2,450,000	2,418,150	
06051GGA1	BANK OF AMERICA CORP CALLABLE MEDIUM TER	23,343,000	23,328,865	22,285,562	
06051GFZ7	BANK OF AMERICA CORP CALLABLE MEDIUM TER	12,150,000	11,989,256	11,750,630	
06051GF22	BANK OF AMERICA CORP CALLABLE MEDIUM TER	16,065,000	16,290,266	15,850,854	
06051GFW4	BANK OF AMERICA CORP CALLABLE MEDIUM TER	5,740,000	5,796,673	5,700,624	
06051GDZ9	BANK OF AMERICA CORP CALLABLE NOTES FIXE	13,280,000	15,078,206	14,923,002	
60505104	BANK OF AMERICA CORP COMMON STOCK USD 0.	1,074,708	20,777,699	23,751,047	
59018YN64	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	2,847,000	3,112,719	3,026,105	
59018YJ69	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	530,000	604,836	546,255	
06053FAA7	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	2,745,000	2,854,769	2,867,427	
06051GFU8	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	5,065,000	5,066,535	5,219,685	
06051GFT1	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	7,000,000	6,938,890	7,003,990	
06051GFS3	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	11,583,000	11,704,831	11,777,942	
06051GFQ7	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	1,080,000	1,079,861	1,095,131	
06051GFP9	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	15,585,000	15,609,071	15,514,712	
06051GFM6	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	8,930,000	8,949,200	8,941,252	
06051GFL8	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	13,020,000	13,107,620	13,177,672	
06051GFH7	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	4,670,000	4,704,011	4,757,329	
06051GFG9	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	23,535,000	24,722,615	25,537,122	
06051GFF1	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	8,975,000	9,293,151	9,256,277	
06051GFC8	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	20,297,000	21,595,380	22,227,042	
06051GFB0	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	23,936,000	25,390,292	24,875,488	
06051GEX3	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	16,149,000	16,251,642	16,287,074	
06051GEU9	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	2,685,000	2,636,996	2,693,968	
06051GEN5	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	5,560,000	6,571,008	6,720,094	
06051GEH8	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	340,000	328,068	370,274	
06051GD44	BANK OF AMERICA CORP MEDIUM TERM NOTE FI	1,560,000	1,720,820	1,634,506	
BWTSVV7	BANK OF AMERICA CORP MEDIUM TERM NOTE VA	10,000,000	846,545	558,212	
060505DA9	BANK OF AMERICA CORP NOTES FIXED 5.42% 1	900,000	984,411	906,525	
060505DB7	BANK OF AMERICA CORP NOTES FIXED 5.49% 1	2,300,000	2,573,608	2,439,955	
06051GEC9	BANK OF AMERICA CORP NOTES FIXED 5.625% 1	6,010,000	6,831,978	6,608,296	
06051GEM7	BANK OF AMERICA CORP NOTES FIXED 5.7% 24	5,270,000	5,967,905	5,919,475	
060505DP6	BANK OF AMERICA CORP NOTES FIXED 5.75% 0	1,000,000	1,115,832	1,035,850	
060505DH4	BANK OF AMERICA CORP NOTES FIXED 6% 01/S	610,000	710,973	627,678	
060505HX9	BANK OF AMERICA MORTGAGE 2002-K TRUST 20	65,198	66,983	65,376	
060505TME9	BANK OF AMERICA NA BOND FIXED 2.05% 07/D	2,473,000	2,476,717	2,486,255	
060505TKN1	BANK OF AMERICA NA NOTES FIXED 5.3% 15/M	6,700,000	7,382,787	6,751,925	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
06050TJZ6	BANK OF AMERICA NA NOTES FIXED 6% 15/OCT	11,550,000	13,604,709	13,934,729	
BVF87C6	BANK OF BARODA COMMON STOCK INR 2	34,817	100,018	78,694	
B154564	BANK OF CHINA LTD COMMON STOCK HKD 1	12,391,000	5,313,478	5,497,771	
B0B8Z29	BANK OF COMMUNICATIONS CO LTD COMMON STO	345,000	259,742	249,634	
6075648	BANK OF EAST ASIA LTD/THE COMMON STOCK H	52,509	210,192	201,146	
62540109	BANK OF HAWAII CORP COMMON STOCK USD 0.0	3,482	69,745	308,819	
3070732	BANK OF IRELAND COMMON STOCK EUR 0.05	7,691,369	1,255,900	1,898,318	
6075756	BANK OF KYOTO LTD/THE COMMON STOCK JPY	101,220	758,369	753,281	
06367VHL2	BANK OF MONTREAL CALLABLE MEDIUM TERM NO	8,440,000	8,533,957	8,513,090	
63671101	BANK OF MONTREAL COMMON STOCK CAD 0	18,077	1,155,246	1,300,098	
2076009	BANK OF MONTREAL COMMON STOCK CAD 0	56,191	3,586,863	4,046,355	
06367TPX2	BANK OF MONTREAL MEDIUM TERM NOTE FIXED	3,420,000	3,418,529	3,420,000	
06367TJX9	BANK OF MONTREAL MEDIUM TERM NOTE FIXED	7,034,000	7,011,109	6,816,087	
06406HDF3	BANK OF NEW YORK MELLON CORP/THE CALLABL	1,025,000	1,024,334	1,025,369	
06406HDD8	BANK OF NEW YORK MELLON CORP/THE CALLABL	6,275,000	6,366,386	6,320,682	
06406HCZ0	BANK OF NEW YORK MELLON CORP/THE CALLABL	800,000	798,752	797,648	
06406HCU1	BANK OF NEW YORK MELLON CORP/THE CALLABL	5,120,000	5,110,067	5,150,874	
06406FAF0	BANK OF NEW YORK MELLON CORP/THE CALLABL	1,255,000	1,255,000	1,274,427	
06406FAD5	BANK OF NEW YORK MELLON CORP/THE CALLABL	8,960,000	8,944,410	8,548,646	
06406FAA1	BANK OF NEW YORK MELLON CORP/THE CALLABL	1,585,000	1,583,431	1,586,759	
064058AF7	BANK OF NEW YORK MELLON CORP/THE CALLABL	5,743,000	5,609,073	5,268,169	
064058AD2	BANK OF NEW YORK MELLON CORP/THE CALLABL	4,275,000	4,275,000	4,296,375	
64058100	BANK OF NEW YORK MELLON CORP/THE COMMON	117,495	3,400,411	5,566,913	
2076281	BANK OF NOVA SCOTIA/THE COMMON STOCK CAD	138,395	7,218,995	7,715,156	
064159HT6	BANK OF NOVA SCOTIA/THE NOTES FIXED 1.65	1,300,000	1,305,226	1,288,092	
064159GW0	BANK OF NOVA SCOTIA/THE NOTES FIXED 2.35	6,350,000	6,347,905	6,327,267	
064159HB5	BANK OF NOVA SCOTIA/THE NOTES FIXED 4.5%	2,595,000	2,617,026	2,665,818	
6076243	BANK OF QUEENSLAND LTD COMMON STOCK AUD	18,902	148,522	162,464	
065604AC4	BANK OF THE WEST AUTO TRUST 2014-1 2014-	177,841	177,813	177,825	
064255BL5	BANK OF TOKYO-MITSUBISHI UFJ LTD/THE NOT	2,840,000	2,837,756	2,830,884	
064255BG6	BANK OF TOKYO-MITSUBISHI UFJ LTD/THE NOT	3,200,000	3,193,760	3,200,544	
064255BC5	BANK OF TOKYO-MITSUBISHI UFJ LTD/THE NOT	8,387,000	8,384,232	8,383,058	
06423KAA9	BANK ONE CAPITAL III CALLABLE BOND FIXED	7,000,000	7,885,750	9,852,290	
059438AH4	BANK ONE CORP BOND FIXED 7.625% 15/OCT/2	2,060,000	2,715,849	2,616,550	
059438AK7	BANK ONE CORP BOND FIXED 8% 29/APR/2027	2,760,000	3,419,442	3,605,471	
B3Z3L12	BANK PEMBANGUNAN DAERAH JAWA BARAT DAN B	756,900	47,053	190,454	
6709099	BANK RAKYAT INDONESIA PERSERO TBK PT COM	2,144,600	1,665,222	1,858,468	
B9FLK44	BANKIA SA COMMON STOCK	202,907	187,190	207,810	
5474008	BANKINTER SA COMMON STOCK EUR 0.3	29,693	229,513	230,506	
06647F102	BANKRATE INC COMMON STOCK USD 0.01	56,300	492,213	622,115	
06652K103	BANKUNITED INC COMMON STOCK USD 0.01	8,008	234,325	301,822	
06652V208	BANNER CORP COMMON STOCK USD 0.01	207	10,849	11,553	
6368348	BANPU PCL NVDR THB 1	909,800	480,313	487,794	
06675FAE7	BANQUE FEDERATIVE DU CREDIT MUTUEL SA ME	869,000	875,778	869,191	
06675FAC1	BANQUE FEDERATIVE DU CREDIT MUTUEL SA ME	2,250,000	2,267,010	2,274,705	
6649667	BAOYE GROUP CO LTD COMMON STOCK HKD 1	88,000	63,247	64,696	
B3FMY3	BARCLAYS BANK PLC CALLABLE BOND VARIABLE	1,750,000	3,892,476	2,650,871	
06739FHK0	BARCLAYS BANK PLC CALLABLE NOTES VARIABLE	1,000,000	1,128,900	1,051,400	
06739GAE9	BARCLAYS BANK PLC MEDIUM TERM NOTE FIXED	6,580,000	7,459,664	6,797,732	
06740LC2	BARCLAYS BANK PLC NOTES FIXED 7.625% 21/	14,701,000	15,957,922	16,134,348	
06699C270	BARCLAYS JPM/BONY REUSE	1,000,000	1,000,000	1,000,000	
6.74E+207	BARCLAYS PLC ADR USD	53,605	609,530	589,655	
06738EAD7	BARCLAYS PLC BOND FIXED 2.75% 08/NOV/201	1,801,000	1,794,660	1,796,245	
BH4P3B1	BARCLAYS PLC CALLABLE BOND VARIABLE EUR	800,000	923,423	889,905	
3134865	BARCLAYS PLC COMMON STOCK GBP 25	2,466,728	7,550,592	6,810,784	
06738EAF2	BARCLAYS PLC NOTES FIXED 2% 16/MAR/2018	4,740,000	4,739,573	4,730,141	
06738EAQ8	BARCLAYS PLC NOTES FIXED 3.2% 10/AUG/202	2,500,000	2,515,075	2,470,975	
06738EAL9	BARCLAYS PLC NOTES FIXED 3.25% 12/JAN/20	800,000	799,560	800,776	
06738EAE5	BARCLAYS PLC NOTES FIXED 3.65% 16/MAR/20	4,240,000	4,146,873	4,099,317	
06738EAC9	BARCLAYS PLC NOTES FIXED 4.375% 11/SEP/2	5,425,000	5,415,301	5,380,949	
06738EAN5	BARCLAYS PLC NOTES FIXED 4.375% 12/JAN/2	8,567,000	8,561,718	8,728,016	
06738EAP0	BARCLAYS PLC NOTES FIXED 5.2% 12/MAY/202	3,870,000	3,913,968	3,934,049	
06738EAJ4	BARCLAYS PLC NOTES FIXED 5.25% 17/AUG/20	200,000	199,520	214,138	
06759YAG0	BARINGS CLO LTD 2016-III 2016-3A C FLOAT	1,000,000	985,108	985,563	
81180	BARRATT DEVELOPMENTS PLC COMMON STOCK GB	209,529	1,343,245	1,197,174	
067901AQ1	BARRICK GOLD CORP CALLABLE NOTES FIXED 4	1,138,000	1,102,576	1,167,406	
067901AH1	BARRICK GOLD CORP CALLABLE NOTES FIXED 5	5,705,000	4,569,338	5,556,670	
067901AB4	BARRICK GOLD CORP CALLABLE NOTES FIXED 6	307,000	303,091	335,815	
2024644	BARRICK GOLD CORP COMMON STOCK CAD 0	198,985	3,207,780	3,188,686	
06849AAB5	BARRICK INTERNATIONAL BARBADOS CORP CALL	3,500,000	3,475,850	3,631,110	
06849RAK8	BARRICK NORTH AMERICA FINANCE LLC CALLAB	22,710,000	22,423,533	23,871,389	
06849RAG7	BARRICK NORTH AMERICA FINANCE LLC CALLAB	8,416,000	8,166,959	8,589,454	
06849RAF9	BARRICK NORTH AMERICA FINANCE LLC CALLAB	3,411,000	3,462,775	3,584,483	
06849UAD7	BARRICK PD AUSTRALIA FINANCE PTY LTD CAL	14,827,000	15,530,650	15,681,480	
5476929	BARRY CALLEBAUT AG COMMON STOCK CHF 7.29	100	120,923	122,596	
61238QAA6	BASELL FINANCE CO BV BOND FIXED 8.1% 15/	575,000	757,494	751,744	
5086577	BASF SE COMMON STOCK EUR 0	107,432	7,723,288	10,006,751	
05530QAM2	BAT INTERNATIONAL FINANCE PLC CALLABLE N	1,510,000	1,509,124	1,510,680	
05530QAG5	BAT INTERNATIONAL FINANCE PLC CALLABLE N	890,000	888,594	894,762	
05530QAE0	BAT INTERNATIONAL FINANCE PLC CALLABLE N	2,000,000	2,040,340	2,005,600	
05530QAF7	BAT INTERNATIONAL FINANCE PLC NOTES FIXE	2,500,000	2,513,880	2,536,925	
B03MPQ3	BATICIM BATI ANADOLU CIMENTO SANAYII AS	41,146	128,367	77,318	
07177MAG8	BAXALTA INC CALLABLE NOTES FIXED 2% 22/J	705,000	704,570	705,035	
07177MAD5	BAXALTA INC CALLABLE NOTES FIXED 2.875%	3,680,000	3,688,471	3,679,080	
07177MAL7	BAXALTA INC CALLABLE NOTES FIXED 3.6% 23	1,894,000	1,937,831	1,908,489	
07177MAB9	BAXALTA INC CALLABLE NOTES FIXED 4% 23/J	7,282,000	7,242,397	7,303,263	
07177MAN3	BAXALTA INC CALLABLE NOTES FIXED 5.25% 2	8,907,000	9,702,927	9,507,510	
071813BP3	BAXTER INTERNATIONAL INC CALLABLE NOTES	10,615,000	10,358,154	8,908,851	
71813109	BAXTER INTERNATIONAL INC COMMON STOCK US	87,139	2,636,259	3,863,743	

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072024NV0	BAY AREA TOLL AUTH CALIF TOLL BRDG REV S	5,160,000	7,411,201	7,299,284	
072024ND0	BAY AREA TOLL AUTH CALIF TOLL BRDG REV S	480,000	554,636	652,090	
5069211	BAYER AG COMMON STOCK EUR 0	69,278	7,466,878	7,243,525	
07274EAF0	BAYER US FINANCE LLC CALLABLE NOTES FIXE	990,000	1,021,605	995,435	
07274EAD5	BAYER US FINANCE LLC CALLABLE NOTES FIXE	4,800,000	4,778,016	4,808,496	
5756029	BAYERISCHE MOTOREN WERKE AG COMMON STOCK	40,385	2,370,650	3,780,402	
5756030	BAYERISCHE MOTOREN WERKE AG PREFERENCE E	2,401	173,832	184,109	
07284RAA0	BAYLOR COLLEGE OF MEDICINE CALLABLE BOND	940,000	981,871	1,006,223	
07325QAC9	BAYVIEW FINANCIAL ASSET TRUST 2007-SSR1	1,736,629	866,057	1,511,787	
B9N3SQ0	BB SEGURIDADE PARTICIPACOES SA COMMON ST	111,000	1,094,630	965,158	
54937107	BB&T CORP COMMON STOCK USD 5	95,857	2,782,973	4,507,196	
054937AG2	BB&T CORP NOTES FIXED 4.9% 30/JUN/2017 U	1,603,000	1,756,255	1,628,103	
054937AF4	BB&T CORP NOTES FIXED 5.25% 01/NOV/2019	1,047,000	1,183,869	1,131,189	
54995170	BC EUROPEAN CAPITAL IX	100	41,608,258	52,828,183	
56993942	BC EUROPEAN CAPITAL VII L P IBM	100	0	535,027	
05499B904	BC EURPEAN CAPITAL VIII/BULLSHEAD I LLC	100	0	22,238,978	
B188TH2	BCE INC COMMON STOCK CAD 0	16,952	716,519	733,548	
B5VJH76	BDO UNIBANK INC COMMON STOCK PHP 10	325,130	766,000	733,157	
07386HSY8	BEAR STEARNS ALT-A TRUST 2005-4 2005-4 2	128,404	128,103	123,423	
07386HF71	BEAR STEARNS ALT-A TRUST 2006-2 2006-2 2	4,062,734	2,124,285	3,087,201	
07386BEO	BEAR STEARNS ALT-A TRUST 2006-6 2006-6 3	1,434,383	1,435,343	1,042,278	
07387QAM2	BEAR STEARNS ALT-A TRUST 2006-8 2006-8 2	3,952,857	2,094,583	3,021,994	
07384MM82	BEAR STEARNS ARM TRUST 2004-2 2004-2 21A	5,408	5,374	5,261	
07384M7C0	BEAR STEARNS ARM TRUST 2005-2 2005-2 A1	169,923	166,161	170,741	
07387ACK9	BEAR STEARNS ARM TRUST 2005-5 2005-5 A2	39,703	38,762	39,552	
07401EAA7	BEAR STEARNS ARM TRUST 2007-2 2007-2 1A1	1,241,723	1,208,424	1,121,420	
073881AA2	BEAR STEARNS ARM TRUST 2007-3 2007-3 1A1	53,621	47,774	48,394	
07389VAA5	BEAR STEARNS ASSET BACKED SECURITIES I T	946,427	946,252	983,595	
07389NAA3	BEAR STEARNS ASSET BACKED SECURITIES TRU	877,310	870,403	839,218	
07388RAF4	BEAR STEARNS COMMERCIAL MORTGAGE SECURIT	1,122,222	1,139,055	1,123,566	
07388QAE9	BEAR STEARNS COMMERCIAL MORTGAGE SECURIT	1,676,748	1,766,284	1,705,721	
073902PN2	BEAR STEARNS COS LLC/THE NOTES FIXED 5.5	6,831,000	7,494,893	6,844,389	
073902RU4	BEAR STEARNS COS LLC/THE NOTES FIXED 7.2	2,110,000	2,382,440	2,232,886	
07402FAC9	BEAR STEARNS STRUCTURED PRODUCTS INC TRU	343,752	341,332	266,623	
07402FAA3	BEAR STEARNS STRUCTURED PRODUCTS INC TRU	488,656	486,059	382,695	
5932409	BECHTLE AG COMMON STOCK EUR 0	1,915	190,720	199,601	
47215TAA6	BECLE SAB DE CV CALLABLE NOTES FIXED 3.7	2,230,000	2,207,812	2,121,488	
075887BM0	BECTON DICKINSON AND CO CALLABLE NOTES F	1,680,000	1,801,422	1,749,166	
075887BG3	BECTON DICKINSON AND CO CALLABLE NOTES F	8,380,000	8,859,024	8,681,261	
075887BF5	BECTON DICKINSON AND CO CALLABLE NOTES F	183,000	183,000	187,139	
075887BE8	BECTON DICKINSON AND CO CALLABLE NOTES F	8,994,000	9,021,240	9,125,402	
075887AX7	BECTON DICKINSON AND CO CALLABLE NOTES F	410,000	443,255	427,450	
75887109	BECTON DICKINSON AND CO COMMON STOCK USD	16,748	578,704	2,772,631	
075896AC4	BED BATH & BEYOND INC CALLABLE NOTES FIX	2,530,000	2,266,692	2,302,502	
75896100	BED BATH & BEYOND INC COMMON STOCK USD 0	14,116	413,152	573,674	
5107401	BEIERSDORF AG COMMON STOCK EUR 0	6,027	512,138	512,372	
6208422	BEIJING CAPITAL INTERNATIONAL AIRPORT CO	796,000	897,636	804,917	
6081690	BEIJING ENTERPRISES HOLDINGS LTD COMMON	81,500	417,378	385,260	
5827431	BEKAERT SA COMMON STOCK EUR 0	5,540	216,573	224,880	
81437105	BEMIS CO INC COMMON STOCK USD 0.1	11,515	341,367	550,647	
6091280	BENDIGO & ADELAIDE BANK LTD COMMON STOCK	20,118	166,229	185,152	
08171T102	BENEFICIAL BANCORP INC COMMON STOCK USD	39,000	484,288	717,600	
6121927	BENESSE HOLDINGS INC COMMON STOCK JPY	16,188	441,918	446,910	
B0F9971	BERENDSEN PLC COMMON STOCK GBP 30	40,257	707,536	433,018	
6331566	BERJAYA SPORTS TOTO BHD COMMON STOCK MYR	137,298	110,497	90,593	
B02L3W3	BERKELEY GROUP HOLDINGS PLC COMMON STOCK	5,718	170,600	198,398	
84990902	BERKSHIRE FUND V	100	0	69,166	
G10996356	BERKSHIRE FUND VIII, L.P.	100	21,379,634	25,822,604	
59562VAR8	BERKSHIRE HATHAWAY ENERGY CO CALLABLE BO	990,000	1,249,058	1,288,663	
59562VAP2	BERKSHIRE HATHAWAY ENERGY CO CALLABLE BO	12,855,000	14,203,908	15,747,632	
59562VAM9	BERKSHIRE HATHAWAY ENERGY CO CALLABLE BO	51,301,000	57,423,736	64,068,793	
129466AM0	BERKSHIRE HATHAWAY ENERGY CO CALLABLE BO	1,840,000	2,456,540	2,664,228	
59562VBD8	BERKSHIRE HATHAWAY ENERGY CO CALLABLE NO	3,580,000	3,605,181	4,019,552	
59562VAY3	BERKSHIRE HATHAWAY ENERGY CO CALLABLE NO	6,005,000	6,206,499	6,279,489	
084659AF8	BERKSHIRE HATHAWAY ENERGY CO CALLABLE NO	2,935,000	2,917,590	3,044,828	
084659AD3	BERKSHIRE HATHAWAY ENERGY CO CALLABLE NO	3,295,000	3,294,242	3,360,274	
084664CK5	BERKSHIRE HATHAWAY FINANCE CORP CALLABLE	7,468,000	7,460,756	7,377,338	
084664CG4	BERKSHIRE HATHAWAY FINANCE CORP CALLABLE	2,950,000	2,947,758	2,947,375	
084664BV2	BERKSHIRE HATHAWAY FINANCE CORP CALLABLE	10,911,000	10,915,526	11,272,481	
084664BU4	BERKSHIRE HATHAWAY FINANCE CORP CALLABLE	4,195,000	4,131,142	4,416,286	
084664BL4	BERKSHIRE HATHAWAY FINANCE CORP CALLABLE	6,073,000	6,396,903	7,471,673	
084670BS6	BERKSHIRE HATHAWAY INC CALLABLE NOTES FI	2,255,000	2,252,880	2,240,365	
084670BR8	BERKSHIRE HATHAWAY INC CALLABLE NOTES FI	4,950,000	4,991,002	4,931,438	
084670BK3	BERKSHIRE HATHAWAY INC CALLABLE NOTES FI	5,700,000	5,780,645	6,060,867	
84670702	BERKSHIRE HATHAWAY INC COMMON STOCK USD	177,460	15,769,013	28,922,431	
084670BW7	BERKSHIRE HATHAWAY INC NOTES VARIABLE 06	1,900,000	1,900,194	1,901,235	
84680107	BERKSHIRE HILLS BANCORP INC COMMON STOCK	4,610	126,460	169,879	
83990010	BERKSHIRE VII/1133 WEST LLC	100	0	31,772,005	
08579W103	BERRY PLASTICS GROUP INC COMMON STOCK US	9,829	365,040	478,967	
84990928	BERSHIRE FUND VI - BULLSHEAD D'LLC	100	0	24,052,282	
86516101	BEST BUY CO INC COMMON STOCK USD 0.1	67,908	2,459,886	2,897,634	
86990215	BEST PROPERTY FD LP - IBM	100	0	585,000	
6098032	BEZEQ THE ISRAELI TELECOMMUNICATION CORP	230,991	414,349	439,337	
05541VAE6	BG ENERGY CAPITAL PLC CALLABLE NOTES FIX	485,000	498,782	515,531	
05541TAF8	BGC PARTNERS INC CALLABLE NOTES FIXED 5.	1,900,000	1,885,655	1,981,111	
B4TL227	BHARAT FINANCIAL INCLUSION LTD COMMON ST	56,988	534,569	493,639	
6099723	BHARAT PETROLEUM CORP LTD COMMON STOCK I	327,789	1,820,881	3,069,249	
6442327	BHARTI AIRTEL LTD COMMON STOCK INR 5	24,332	152,209	109,578	
055451AH1	BHP BILLITON FINANCE USA LTD BOND FIXED	900,000	1,080,194	987,948	

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	055451AX6	BHP BILLITON FINANCE USA LTD CALLABLE NO	16,015,000	16,194,618	17,976,838
	055451AW8	BHP BILLITON FINANCE USA LTD CALLABLE NO	2,325,000	2,514,000	2,517,278
	055451AV0	BHP BILLITON FINANCE USA LTD CALLABLE NO	16,254,000	17,044,778	18,155,068
	055451AR9	BHP BILLITON FINANCE USA LTD NOTES FIXED	535,000	550,403	526,247
	055451AQ1	BHP BILLITON FINANCE USA LTD NOTES FIXED	675,000	673,940	680,461
	055451AL2	BHP BILLITON FINANCE USA LTD NOTES FIXED	760,000	792,026	783,013
	6144690	BHP BILLITON LTD COMMON STOCK AUD 0	474,793	8,937,623	8,615,568
	56650	BHP BILLITON PLC COMMON STOCK GBP 0.5	261,729	5,263,725	4,225,292
	BZBFK77	BID CORP LTD COMMON STOCK ZAR	54,670	950,529	980,062
	6100089	BIDVEST GROUP LTD/THE COMMON STOCK ZAR 5	43,842	355,513	581,087
	AAI9939L9	BIF II SAFE HARBOR HOL 4.61	10,000,000	10,000,000	10,210,700
	08915P101	BIG 5 SPORTING GOODS CORP COMMON STOCK U	300	5,780	5,205
	08986R101	BIGLARI HOLDINGS INC COMMON STOCK USD 0.	390	166,401	184,548
	CCRDRCUS5	BILATERAL CASH COLLATERAL CLIENT OWNED	1,229,000	1,229,000	1,229,000
	7240371	BILLERUDKORSNAS AB COMMON STOCK SEK 7.38	15	97	253
	09058V103	BIOCRIST PHARMACEUTICALS INC COMMON STOC	7,100	20,170	44,943
	09062XAE3	BIOGEN INC CALLABLE NOTES FIXED 3.625% 1	775,000	774,380	795,514
	09062XAF0	BIOGEN INC CALLABLE NOTES FIXED 4.05% 15	730,000	735,228	751,579
	09062XAD5	BIOGEN INC CALLABLE NOTES FIXED 5.2% 15/	3,302,000	3,385,095	3,533,635
	09062X103	BIOGEN INC COMMON STOCK USD 0.0005	39,580	7,196,294	11,224,096
	09061G101	BIOMARIN PHARMACEUTICAL INC COMMON STOCK	16,495	858,352	1,366,446
	90572207	BIO-RAD LABORATORIES INC COMMON STOCK US	1,672	127,997	304,772
	09073M104	BIO-TECHNE CORP COMMON STOCK USD 0.01	2,962	142,842	304,582
	09180C106	B.J'S RESTAURANTS INC COMMON STOCK USD 0	6,870	307,431	269,991
	092113AN9	BLACK HILLS CORP CALLABLE NOTES FIXED 4.	775,000	770,776	738,800
	09214X100	BLACK KNIGHT FINANCIAL SERVICES INC COMM	2,194	67,257	82,933
	BCBHZ31	BLACKBERRY LTD COMMON STOCK CAD 0	122,268	933,087	842,442
	09228YAB8	BLACKBIRD CAPITAL AIRCRAFT LEASE SECURIT	5,000,000	4,999,978	4,962,500
	9.25E+104	BLACKROCK CORE BOND TRUST CLOSED-END FUN	1,147,982	14,893,785	14,935,246
	92508100	BLACKROCK CREDIT ALLOCATION INCOME TRUST	2,430,195	30,664,195	31,519,629
	09255Q105	BLACKROCK DEFINED OPPORTUNITY CREDIT TRU	115,523	1,518,536	1,594,217
	B0BN1P9	BLACKROCK EMERGING EUROPE PLC CLOSED-END	79,208	322,449	291,173
	09255K108	BLACKROCK ENHANCED GOVERNMENT FUND INC C	291,595	4,292,412	3,849,054
	B01RDH7	BLACKROCK GREATER EUROPE INVESTMENT TRUS	99,674	348,045	344,238
	09247X101	BLACKROCK INC COMMON STOCK USD 0.01	11,336	2,226,004	4,313,801
	09247F100	BLACKROCK INCOME TRUST INC CLOSED-END FU	1,293,757	8,272,465	8,189,482
	92524107	BLACKROCK INTERNATIONAL GROWTH AND INCOM	277,682	1,754,719	1,530,028
	09253X102	BLACKROCK MUNI INTERMEDIATE DURATION FUN	43,602	608,104	601,708
	09257P105	BLACKROCK MUNICIPAL 2030 TARGET TERM TRU	227,294	4,604,804	4,961,828
	09254V105	BLACKROCK MUNIYIELD MICHIGAN QUALITY FUN	27,135	392,134	368,765
	09257A108	BLACKROCK RESOURCES & COMMODITIES STRATE	336,637	3,623,792	2,783,988
	643610	BLACKROCK SMALLER COS TRUST PLC CLOSED-E	39,342	449,378	467,170
	891055	BLACKROCK THROGMORTON TRUST PLC CLOSED-E	266,008	1,103,348	1,148,781
	577485	BLACKROCK WORLD MINING TRUST PLC CLOSED-	156,457	730,298	650,542
	91990192	BLACKSTONE BREP IV/BULLSHEAD LLC	100	0	30,542,405
	91998773	BLACKSTONE CAPITAL IV-IBM	100	0	18,292,118
	92990944	BLACKSTONE COMMS PARTNERS I IBM	100	0	616,411
	09258BAA3	BLACKSTONE CQP HOLDCO LP 2.324% 19MAR201	1,753,640	1,761,847	1,768,984
	09256BAH0	BLACKSTONE HOLDINGS FINANCE CO LLC CALLA	6,080,000	5,936,052	5,555,357
	09256BAG2	BLACKSTONE HOLDINGS FINANCE CO LLC CALLA	5,130,000	5,244,547	5,060,232
	09256BAD9	BLACKSTONE HOLDINGS FINANCE CO LLC CALLA	3,114,000	3,362,927	3,329,240
	09257W100	BLACKSTONE MORTGAGE TRUST INC REIT USD 0	2,000	60,816	60,140
	09199JM07	BLACKSTONE RE PARTNERS GLOBAL IBM	100	0	318,685
	92999036	BLACKSTONE REAL ESTATE DEBT STRATEGIES I	100	14,650,168	21,507,444
	57994162	BLACKSTONE REAL ESTATE PARTNERS VII.TE.1	100	24,712,388	91,074,328
	92993575	BLACKSTONE REAL ESTATE SPECIAL SITUATION	100	0	1,842,163
	94235108	BLOOMIN' BRANDS INC COMMON STOCK USD 0.0	82,700	1,511,572	1,491,081
	09531U102	BLUE BUFFALO PET PRODUCTS INC COMMON STO	4,860	96,767	116,834
	05490LAA7	BLUE CROSS & BLUE SHIELD OF MINNESOTA CA	775,000	763,391	753,649
	095370AD4	BLUE CUBE SPINCO INC CALLABLE NOTES FIXE	2,030,000	2,109,950	2,451,225
	095796AA6	BLUE RACER MIDSTREAM LLC / BLUE RACER FI	900,000	801,000	900,000
	6533232	BLUESCOPE STEEL LTD COMMON STOCK AUD 0	95,138	337,663	639,294
	B2RHNV9	BM&FBOVESPA SA - BOLSA DE VALORES MERCAD	319,700	1,862,177	1,620,748
	B3S98W7	BNK FINANCIAL GROUP INC COMMON STOCK KRW	26,504	191,491	190,474
	05574LFY9	BNP PARIBAS / BNP PARIBAS US MEDIUM-TERM	1,260,000	1,242,965	1,271,491
	F1R15XK36	BNP PARIBAS SA CALLABLE NOTES VARIABLE U	2,600,000	2,639,000	2,616,094
	05565AAQ6	BNP PARIBAS SA CALLABLE NOTES VARIABLE U	4,785,000	4,808,819	5,048,654
	05565AAN3	BNP PARIBAS SA CALLABLE NOTES VARIABLE U	3,770,000	3,770,000	3,793,336
	7309681	BNP PARIBAS SA COMMON STOCK EUR 2	165,788	8,878,389	10,588,069
	05574LTX6	BNP PARIBAS SA MEDIUM TERM NOTE FIXED 2.	5,000,000	5,054,835	5,039,250
	05574LPT9	BNP PARIBAS SA MEDIUM TERM NOTE FIXED 2.	2,800,000	2,831,332	2,836,428
	05567L7E1	BNP PARIBAS SA MEDIUM TERM NOTE FIXED 2.	8,470,000	8,664,889	8,526,580
	05581KAA9	BNP PARIBAS SA MEDIUM TERM NOTE FIXED 4.	6,825,000	6,736,483	6,785,756
	05579T5G7	BNP PARIBAS SA MEDIUM TERM NOTE FIXED 4.	8,050,000	8,061,229	8,069,884
	05565AAR4	BNP PARIBAS SA MEDIUM TERM NOTE FIXED 4.	1,565,000	1,562,246	1,542,464
	05579TED4	BNP PARIBAS SA NOTES FIXED 2.375% 21/MAY	2,670,000	2,663,005	2,656,810
	CCBPGTUS0	BNP PARIBAS SECURITIES CORP	1,877,000	1,877,000	1,877,000
	05568YAA6	BNSF RAILWAY CO 2007-1 PASS THROUGH TRUS	1,287,414	1,287,414	1,474,089
	096630AE8	BOARDWALK PIPELINES LP CALLABLE NOTES FI	1,355,000	1,339,553	1,471,855
	096630AD0	BOARDWALK PIPELINES LP CALLABLE NOTES FI	625,000	611,781	641,731
	6536112	BOC HONG KONG HOLDINGS LTD COMMON STOCK	198,780	711,768	711,471
	097023BK0	BOEING CO/THE CALLABLE BOND FIXED 3.3% 0	330,000	320,272	308,807
	097023BA2	BOEING CO/THE CALLABLE BOND FIXED 5.875%	1,470,000	1,948,728	1,864,577
	097023BS3	BOEING CO/THE CALLABLE NOTES FIXED 3.375	3,155,000	2,914,854	2,873,259
	097023BL8	BOEING CO/THE CALLABLE NOTES FIXED 3.5%	170,000	163,686	157,823
	097023AU9	BOEING CO/THE CALLABLE NOTES FIXED 6.125	530,000	674,536	678,941
	097023AX3	BOEING CO/THE CALLABLE NOTES FIXED 6.875	4,505,000	6,133,321	6,364,664
	97023105	BOEING CO/THE COMMON STOCK USD 5	56,172	3,117,931	8,744,857
	05561Q201	BOK FINANCIAL CORP COMMON STOCK USD 0.00	2,200	92,970	182,688

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	B1XCBX9	BOLIDEN AB COMMON STOCK SEK 2.11	84,432	1,739,906	2,211,035
	4572709	BOLLORE SA COMMON STOCK EUR 0.16	38,223	121,671	135,058
	2109723	BOMBARDIER INC COMMON STOCK CAD 0	220,925	324,693	355,839
	857477AY9	BOND VARIABLE 15/JUN/2037 USD	315,000	255,544	278,381
	99502106	BOOZ ALLEN HAMILTON HOLDING CORP COMMON	28,786	632,504	1,038,311
	6218670	BORAL LTD COMMON STOCK AUD 0	156,650	658,931	613,658
	099724AH9	BORGWARNER INC CALLABLE NOTES FIXED 4.37	3,230,000	3,158,308	3,104,611
	99724106	BORGWARNER INC COMMON STOCK USD 0.01	17,340	172,134	683,890
	B01NFV3	BOSCH LTD COMMON STOCK INR 10	1,393	477,009	432,040
	B1XF882	BOSKALIS WESTMINSTER COMMON STOCK EUR 0.	48,341	1,284,623	1,682,083
	100743AJ2	BOSTON GAS CO CALLABLE NOTES FIXED 4.487	1,275,000	1,276,261	1,303,739
	101121101	BOSTON PROPERTIES INC REIT USD 0.01	125,982	12,881,769	15,846,016
	10112RAY0	BOSTON PROPERTIES LP CALLABLE NOTES FIXE	28,012,000	27,297,534	25,612,212
	10112RAW4	BOSTON PROPERTIES LP CALLABLE NOTES FIXE	2,500,000	2,492,350	2,535,525
	10112RAV6	BOSTON PROPERTIES LP CALLABLE NOTES FIXE	6,835,000	6,668,143	6,702,196
	10112RAU8	BOSTON PROPERTIES LP CALLABLE NOTES FIXE	2,400,000	2,394,696	2,462,544
	10112RAS3	BOSTON PROPERTIES LP CALLABLE NOTES FIXE	3,460,000	3,694,559	3,655,663
	101137AR8	BOSTON SCIENTIFIC CORP CALLABLE BOND FIX	4,100,000	4,186,263	4,108,077
	101137AQ0	BOSTON SCIENTIFIC CORP CALLABLE NOTES FI	1,700,000	1,689,188	1,727,931
	101137107	BOSTON SCIENTIFIC CORP COMMON STOCK USD	112,356	1,418,551	2,430,260
	4002121	BOUYGUES SA COMMON STOCK EUR 1	8,937	296,927	320,918
	05565QDF2	BP CAPITAL MARKETS PLC CALLABLE BOND FIX	1,320,000	1,320,000	1,273,879
	05565QDC9	BP CAPITAL MARKETS PLC CALLABLE BOND FIX	1,315,000	1,327,782	1,305,690
	05565QDB1	BP CAPITAL MARKETS PLC CALLABLE BOND FIX	5,530,000	5,533,203	5,400,985
	05565QDA3	BP CAPITAL MARKETS PLC CALLABLE BOND FIX	1,645,000	1,708,875	1,660,726
	05565QCX4	BP CAPITAL MARKETS PLC CALLABLE BOND FIX	1,900,000	1,900,000	1,900,266
	05565QDH8	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	7,100,000	7,100,772	7,214,168
	05565QDG0	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	11,545,000	11,544,296	11,660,335
	05565QCZ9	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	4,606,000	4,592,757	4,658,969
	05565QCY2	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	585,000	585,000	585,591
	05565QCT3	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	835,000	835,000	839,851
	05565QCP1	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	745,000	746,412	773,951
	05565QCD8	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	7,635,000	7,750,865	7,495,661
	05565QBZ0	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	19,620,000	20,567,299	20,034,571
	05565QBP2	BP CAPITAL MARKETS PLC CALLABLE NOTES FI	165,000	187,541	177,057
	55622104	BP PLC ADR USD	83,016	2,719,031	3,103,138
	798059	BP PLC COMMON STOCK GBP 0.25	2,212,143	13,850,480	13,929,582
	05578DAG7	BPCE SA BOND FIXED 4% 15/APR/2024 USD 10	400,000	399,280	415,204
	05571AAA3	BPCE SA CALLABLE BOND VARIABLE USD 1000	2,450,000	3,041,063	2,990,911
	05578DAN2	BPCE SA MEDIUM TERM NOTE FIXED 2.5% 15/J	520,000	522,267	522,714
	05578DAW2	BPCE SA MEDIUM TERM NOTE FIXED 2.75% 02/	2,055,000	2,048,054	2,032,724
	05578QAC7	BPCE SA MEDIUM TERM NOTE FIXED 4.625% 11	9,600,000	9,505,344	9,485,472
	BJ38C22	BPCE SA MEDIUM TERM NOTE FIXED 5.15% 21/	775,000	795,166	787,873
	05578QAB9	BPCE SA MEDIUM TERM NOTE FIXED 5.15% 21/	6,290,000	6,342,997	6,394,477
	05578QAA1	BPCE SA MEDIUM TERM NOTE FIXED 5.7% 22/O	1,249,000	1,357,616	1,313,049
	05578DAU6	BPCE SA NOTES FIXED 2.65% 03/FEB/2021 US	6,265,000	6,351,237	6,254,851
	BBH7K66	BPOST SA COMMON STOCK EUR	40,467	1,022,360	960,358
	104674106	BRADY CORP COMMON STOCK USD 0.01	900	26,726	33,795
	B1FJOC0	BRAMBLES LTD COMMON STOCK AUD 0	77,573	688,703	696,516
	07330MAA5	BRANCH BANKING & TRUST CO CALLABLE BOND	1,950,000	2,045,102	2,003,879
	07330NAJ4	BRANCH BANKING & TRUST CO CALLABLE MEDIU	1,600,000	1,581,920	1,624,496
	105340AP8	BRANDYWINE OPERATING PARTNERSHIP LP CALL	855,000	848,083	836,840
	105340AM5	BRANDYWINE OPERATING PARTNERSHIP LP CALL	1,325,000	1,315,367	1,319,872
	105340AL7	BRANDYWINE OPERATING PARTNERSHIP LP CALL	3,100,000	3,373,947	3,204,563
	105340AJ2	BRANDYWINE OPERATING PARTNERSHIP LP CALL	2,000,000	2,205,580	2,025,220
	105368203	BRANDYWINE REALTY TRUST REIT USD 0.01	13,923	286,470	229,869
	10553YAF2	BRASKEM FINANCE LTD CALLABLE NOTES FIXED	2,710,000	2,542,681	2,852,275
	10553YAE5	BRASKEM FINANCE LTD CALLABLE NOTES FIXED	850,000	758,625	878,050
	10553YAB1	BRASKEM FINANCE LTD CALLABLE NOTES FIXED	2,450,000	2,554,125	2,646,000
	B0774N4	BRASKEM SA PREFERENCE BRL 0	150,700	1,154,512	1,585,853
	10567B109	BRAVO BRIO RESTAURANT GROUP INC COMMON S	300	2,477	1,140
	4419011	BREMBO SPA COMMON STOCK EUR 0	6,951	348,413	421,565
	B4YVF56	BRENNTAG AG COMMON STOCK EUR 0	31,167	1,724,018	1,735,715
	RNJCOS	BRENT CLDR ICE SW CRUDE OIL 28/APR/2017	-2	0	-20,344
	RNG7COS	BRENT CLDR ICE SW CRUDE OIL 28/FEB/2017	-2	0	-18,484
	RNZ7COS	BRENT CLDR ICE SW CRUDE OIL 29/DEC/2017	-2	0	-20,664
	RNU7COS	BRENT CLDR ICE SW CRUDE OIL 29/SEP/2017	-2	0	-20,984
	RNM7COS	BRENT CLDR ICE SW CRUDE OIL 30/JUN/2017	-2	0	-21,084
	RNX7COS	BRENT CLDR ICE SW CRUDE OIL 30/NOV/2017	-2	0	-20,784
	RNQ7COS	BRENT CLDR ICE SW CRUDE OIL 31/AUG/2017	-2	0	-21,064
	RNF7COS	BRENT CLDR ICE SW CRUDE OIL 31/JAN/2017	-2	0	-17,144
	RNN7COS	BRENT CLDR ICE SW CRUDE OIL 31/JUL/2017	-2	0	-21,124
	RNH7COS	BRENT CLDR ICE SW CRUDE OIL 31/MAR/2017	-2	0	-19,564
	RNK7COS	BRENT CLDR ICE SW CRUDE OIL 31/MAY/2017	-2	0	-20,864
	RNV7COS	BRENT CLDR ICE SW CRUDE OIL 31/OCT/2017	-2	0	-20,904
	COM7COS	BRENT CRUDE FUTR CRUDE OIL 28/APR/2017 C	-801	0	-2,273,863
	COJ7COM	BRENT CRUDE FUTR CRUDE OIL 28/FEB/2017 C	27	0	7,757
	COJ8COS	BRENT CRUDE FUTR CRUDE OIL 28/FEB/2018 C	-50	0	-332,502
	COM9COS	BRENT CRUDE FUTR CRUDE OIL 30/APR/2019 C	-63	0	-26,669
	COF8COM	BRENT CRUDE FUTR CRUDE OIL 30/NOV/2017 C	100	0	746,199
	COV7COS	BRENT CRUDE FUTR CRUDE OIL 31/AUG/2017 C	-50	0	-412,049
	COH7COM	BRENT CRUDE FUTR CRUDE OIL 31/JAN/2017 C	941	0	5,514,393
	COH8COS	BRENT CRUDE FUTR CRUDE OIL 31/JAN/2018 C	-99	0	-169,205
	COH9COS	BRENT CRUDE FUTR CRUDE OIL 31/JAN/2019 C	-25	0	-49,590
	COU7COS	BRENT CRUDE FUTR CRUDE OIL 31/JUL/2017 C	-321	0	-1,912,891
	COU8COS	BRENT CRUDE FUTR CRUDE OIL 31/JUL/2018 C	-25	0	-27,503
	COK7COM	BRENT CRUDE FUTR CRUDE OIL 31/MAR/2017 C	23	0	29,507
	COZ7COM	BRENT CRUDE FUTR CRUDE OIL 31/OCT/2017 C	2,115	0	8,945,948
	COZ8COM	BRENT CRUDE FUTR FUTURE DEC18 15/NOV/201	50	0	114,221

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party			
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
COM8COM	BRENT CRUDE FUTR FUTURE JUN18 16/MAY/201	6	0	7,736
7C4420F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	14,100
7C4419F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	13,200
7C4418F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	12,540
7C4417F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	11,220
7C4415F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	10,200
7C4414F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	8,880
7C4391F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	7,320
7C4390F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	5,640
7C4382F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	3,540
7C4379F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	1,680
7C4372F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	420
7C4343F	BRENT FINANCIAL APO CALL USD 68.00	6	8,077	60
89599O453	BREP V/BULLSHEAD LLC	100	0	102,307,638
89299Q576	BREP V/BULLSHEAD LLC	100	0	89,620,764
10552T107	BRF SA ADR USD	5,102	85,060	75,306
6132101	BRIDGESTONE CORP COMMON STOCK JPY	86,800	3,056,453	3,136,067
Q17998453	BRIDGEWATER ALL WEATHER FUND	294,386	307,567,004	496,290,592
G1358A932	BRIDGEWATER PURE ALPHA FUND 11 SERIES CC	152,557	394,075,695	453,184,180
109641AF7	BRINKER INTERNATIONAL INC CALLABLE NOTES	2,000,000	1,999,220	2,004,500
109641100	BRINKER INTERNATIONAL INC COMMON STOCK U	3,944	45,786	195,346
11014PAD7	BRISTOL PARK CLO LTD 2016-1A D FLOATING	1,000,000	988,503	988,828
110122AC2	BRISTOL-MYERS SQUIBB CO CALLABLE BOND FI	1,000,000	1,361,610	1,378,310
110122AX6	BRISTOL-MYERS SQUIBB CO CALLABLE NOTES F	2,440,000	2,417,796	2,646,204
110122AU2	BRISTOL-MYERS SQUIBB CO CALLABLE NOTES F	2,175,000	1,847,896	1,945,559
110122108	BRISTOL-MYERS SQUIBB CO COMMON STOCK USD	278,363	12,071,753	16,267,534
110394103	BRISTOW GROUP INC COMMON STOCK USD 0.01	8,190	149,014	167,731
6124777	BRITANNIA INDUSTRIES LTD COMMON STOCK IN	7,797	391,522	331,582
6752349	BRITISH AMERICAN TOBACCO MALAYSIA BHD CO	17,804	331,298	177,008
110448107	BRITISH AMERICAN TOBACCO PLC ADR USD	15,643	1,687,427	1,762,497
287580	BRITISH AMERICAN TOBACCO PLC COMMON STOC	182,407	10,100,200	10,416,454
133508	BRITISH EMPIRE TRUST PLC	479,595	3,445,678	3,766,046
136701	BRITISH LAND CO PLC/THE REIT GBP 25	43,029	312,086	334,697
GBP COLL	BRITISH POUND STERLING	117,717	147,088	145,457
111013AK4	BRITISH SKY BROADCASTING GROUP PLC CALLA	940,000	933,997	932,367
111013AH1	BRITISH SKY BROADCASTING GROUP PLC CALLA	1,320,000	1,577,836	1,495,481
111013AG3	BRITISH SKY BROADCASTING GROUP PLC CALLA	4,825,000	5,409,505	5,034,309
11102AAA9	BRITISH TELECOMMUNICATIONS PLC CALLABLE	1,535,000	1,745,049	1,599,777
111021AJ0	BRITISH TELECOMMUNICATIONS PLC CALLABLE	9,383,000	9,378,743	9,383,469
111021AE1	BRITISH TELECOMMUNICATIONS PLC CALLABLE	15,795,000	23,565,561	24,098,116
11120VAC7	BRIXMOR OPERATING PARTNERSHIP LP CALLABL	3,100,000	3,079,168	3,090,638
11120VAA1	BRIXMOR OPERATING PARTNERSHIP LP CALLABL	2,755,000	2,471,414	2,712,876
11120U105	BRIXMOR PROPERTY GROUP INC REIT USD 0.01	386,154	10,494,709	9,429,881
Y09827109	BROADCOM LTD COMMON STOCK USD	31,719	2,185,593	5,606,968
11133T103	BROADRIDGE FINANCIAL SOLUTIONS INC COMMO	9,487	120,156	628,988
111621306	BROCADE COMMUNICATIONS SYSTEMS INC COMMO	32,323	258,876	403,714
112463104	BROOKDALE SENIOR LIVING INC COMMON STOCK	768,082	13,033,396	9,539,578
2092599	BROOKFIELD ASSET MANAGEMENT INC COMMON S	169,171	5,380,364	5,588,364
112830104	BROOKFIELD REAL ASSETS INCOME FUND INC C	128,134	3,044,766	2,858,670
114259AP9	BROOKLYN UNION GAS CO/THE CALLABLE NOTES	2,690,000	2,764,157	2,769,759
6146500	BROTHER INDUSTRIES LTD COMMON STOCK JPY	76,241	991,365	1,378,594
115236101	BROWN & BROWN INC COMMON STOCK USD 0.1	9,219	163,406	413,564
115637209	BROWN-FORMAN CORP COMMON STOCK USD 0.15	18,420	242,422	827,426
116794108	BRUKER CORP COMMON STOCK USD 0.01	59,132	1,374,150	1,252,416
149000	BRUNNER INVESTMENT TRUST PLC/THE CLOSED-	138,779	1,101,994	1,041,755
117043109	BRUNSWICK CORP/DE COMMON STOCK USD 0.75	7,199	370,072	392,633
3091357	BT GROUP PLC COMMON STOCK GBP 5	432,100	1,898,924	1,958,968
B7MBV73	BTG PACTUAL GROUP UNIT BRL 1	184,770	767,185	826,007
118217AU2	BUCKEYE OHIO TOB SETTLEMENT FING AUTH	1,000,000	970,820	877,430
118230AQ4	BUCKEYE PARTNERS LP CALLABLE NOTES FIXED	6,660,000	6,638,011	6,481,579
118230AP6	BUCKEYE PARTNERS LP CALLABLE NOTES FIXED	3,660,000	3,697,748	3,706,336
118230AM3	BUCKEYE PARTNERS LP CALLABLE NOTES FIXED	4,835,000	4,811,311	4,984,982
118230AL5	BUCKEYE PARTNERS LP CALLABLE NOTES FIXED	1,150,000	1,147,965	1,157,567
120996483	BULLSHEAD D-FS EQUITY V	100	18,601	4,819,738
89399Q492	BULLSHEAD HLDGS/COLONY V	100	21,269,251	6,943
G16962105	BUNGE LTD COMMON STOCK USD 0.01	19,901	1,417,726	1,437,648
120568AT7	BUNGE LTD FINANCE CORP CALLABLE NOTES FI	800,000	998,624	916,520
B0744B3	BUNZL PLC COMMON STOCK GBP 32.14286	148,153	2,184,473	3,860,846
3174300	BURBERRY GROUP PLC COMMON STOCK GBP 0.05	122,414	2,380,596	2,264,375
B28DTJ6	BUREAU VERITAS SA COMMON STOCK EUR 0.12	76,733	1,684,233	1,489,997
12189PAJ1	BURLINGTON NORTHERN AND SANTA FE RAILWAY	2,545,919	2,550,046	2,772,374
12189TAK0	BURLINGTON NORTHERN SANTA FE LLC BOND FI	420,000	570,322	539,935
12189TBC7	BURLINGTON NORTHERN SANTA FE LLC CALLABL	1,100,000	1,219,581	1,182,973
12189TAZ7	BURLINGTON NORTHERN SANTA FE LLC CALLABL	6,290,000	7,698,403	8,033,588
12189TAX2	BURLINGTON NORTHERN SANTA FE LLC CALLABL	2,200,000	2,198,463	2,819,014
12189LAW1	BURLINGTON NORTHERN SANTA FE LLC CALLABL	360,000	362,657	365,080
12189LAU5	BURLINGTON NORTHERN SANTA FE LLC CALLABL	3,230,000	3,215,236	3,434,298
12189LAS0	BURLINGTON NORTHERN SANTA FE LLC CALLABL	4,740,000	5,011,298	5,311,739
12189LAP6	BURLINGTON NORTHERN SANTA FE LLC CALLABL	3,635,000	3,812,065	4,174,616
12189LAN1	BURLINGTON NORTHERN SANTA FE LLC CALLABL	21,590,000	21,509,666	22,626,320
12189LAM3	BURLINGTON NORTHERN SANTA FE LLC CALLABL	5,175,000	5,054,252	5,237,825
12189LAL5	BURLINGTON NORTHERN SANTA FE LLC CALLABL	9,000,000	9,270,270	9,190,980
12189LAK7	BURLINGTON NORTHERN SANTA FE LLC CALLABL	10,260,000	10,690,788	10,662,397
12189LAJ0	BURLINGTON NORTHERN SANTA FE LLC CALLABL	3,040,000	2,953,573	3,169,504
12189LAG6	BURLINGTON NORTHERN SANTA FE LLC CALLABL	3,270,000	3,454,094	3,660,176
12189LAE1	BURLINGTON NORTHERN SANTA FE LLC CALLABL	3,690,000	3,716,997	4,355,565
12189LAC5	BURLINGTON NORTHERN SANTA FE LLC CALLABL	4,480,000	5,041,300	5,084,038
12189LAA9	BURLINGTON NORTHERN SANTA FE LLC CALLABL	2,150,000	2,579,325	2,623,882
12189TAD6	BURLINGTON NORTHERN SANTA FE LLC PUTABLE	950,000	1,095,089	1,297,130

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
12201PAN6	BURLINGTON RESOURCES FINANCE CO CALLABLE	3,450,000	3,989,361	4,499,559	
122017106	BURLINGTON STORES INC COMMON STOCK USD 0	5,607	356,156	475,193	
05605H100	BWX TECHNOLOGIES INC COMMON STOCK USD 0.	88,598	2,524,100	3,517,341	
12673PAF2	CA INC CALLABLE NOTES FIXED 3.6% 01/AUG/	5,000,000	4,995,050	5,126,800	
12673P105	CA INC COMMON STOCK USD 0.1	34,030	972,661	1,081,133	
126804301	CABELA'S INC COMMON STOCK USD 0.01	3,997	254,564	234,024	
12685J105	CABLE ONE INC COMMON STOCK USD 0.01	631	145,926	392,312	
127055101	CABOT CORP COMMON STOCK USD 1	4,918	104,276	248,556	
127097103	CABOT OIL & GAS CORP COMMON STOCK USD 0.	55,688	796,947	1,300,872	
CF77IDX	CAC 40 INDEX EQUITY INDEX 20/JAN/2017 CF	10	0	10,300	
127387108	CADENCE DESIGN SYSTEMS INC COMMON STOCK	24,143	261,172	608,886	
2162760	CAE INC COMMON STOCK CAD 0	30,769	440,239	430,888	
127686103	CAESARS ENTERTAINMENT CORP COMMON STOCK	700	4,997	5,950	
124996125	CAI PARTNERS LP IBM	12,215,416	6,001,216	0	
B283W97	CAIXABANK SA COMMON STOCK EUR 1	144,763	446,068	479,443	
128126109	CALAMP CORP COMMON STOCK USD 0.01	13,500	257,750	195,750	
128195104	CALATLANTIC GROUP INC	5,973	215,531	203,142	
B3TBRZ8	CALBEE INC COMMON STOCK JPY	3,900	128,944	122,382	
B076516	CAL-COMP ELECTRONICS THAILAND PCL NVDR T	369,100	41,121	27,829	
163992	CALEDONIA INVESTMENTS PLC/FUND CLOSED-EN	107,327	3,473,045	3,434,822	
129900106	CALIFORNIA AMPLIFIER INC.	13	0	188	
13034VAA2	CALIFORNIA INSTITUTE OF TECHNOLOGY CALLA	2,900,000	2,946,310	2,741,544	
13057YAD2	CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU	556,000	555,896	552,525	
13057VAD8	CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU	529,000	529,994	533,762	
13057VAB2	CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU	128,413	128,401	128,522	
13057BAD2	CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU	338,000	337,931	339,801	
13057BAC4	CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU	607,000	606,982	609,888	
13056UAD1	CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU	473,000	472,909	474,569	
13063BJC7	CALIFORNIA ST FOR PREVIOUS ISSUES SEE 13	2,070,000	3,190,886	3,115,060	
13063BFR8	CALIFORNIA ST FOR PREVIOUS ISSUES SEE 13	4,400,000	4,510,844	6,465,008	
13063BBU5	CALIFORNIA ST FOR PREVIOUS ISSUES SEE 13	2,372,000	3,451,191	3,357,946	
13063A7D0	CALIFORNIA ST RFDG BUILD AMER BDS-DIRECT	6,753,000	9,685,385	9,537,870	
13063A5E0	CALIFORNIA ST VAR PURP 4- BUILD AMER BND	14,335,000	14,987,315	20,164,471	
13063A5G5	CALIFORNIA ST VAR PURP- BUILD AMER BNDS	2,850,000	3,799,211	4,232,279	
13100M509	CALIX INC COMMON STOCK USD	2,000	13,933	15,400	
131347304	CALPINE CORP COMMON STOCK USD 0.001	133,896	1,963,338	1,530,431	
6161503	CALTEX AUSTRALIA LTD COMMON STOCK AUD 0	11,892	262,537	262,291	
133131AU6	CAMDEN PROPERTY TRUST CALLABLE NOTES FIX	1,235,000	1,267,369	1,281,140	
133131102	CAMDEN PROPERTY TRUST REIT USD 0.01	25,075	1,856,175	2,108,055	
13321L108	CAMECO CORP COMMON STOCK CAD 0	17,452	209,379	182,722	
2166160	CAMECO CORP COMMON STOCK CAD 0	45,233	401,596	473,563	
13342BAJ4	CAMERON INTERNATIONAL CORP CALLABLE NOTE	2,000,000	1,984,060	2,002,380	
13342BAF2	CAMERON INTERNATIONAL CORP CALLABLE NOTE	3,400,000	3,823,326	3,845,842	
134429AZ2	CAMPBELL SOUP CO CALLABLE NOTES FIXED 3.	2,190,000	1,963,490	1,973,891	
134429109	CAMPBELL SOUP CO COMMON STOCK USD 0.0375	23,780	880,077	1,437,977	
CAD COLL	CANADIAN DOLLAR	54,151	40,726	40,726	
CAD	CANADIAN DOLLAR		687,442	686,897	
136069101	CANADIAN IMPERIAL BANK OF COMMERCE COMMO	10,918	836,974	890,909	
2170525	CANADIAN IMPERIAL BANK OF COMMERCE COMMO	45,549	3,449,696	3,721,225	
136375BQ4	CANADIAN NATIONAL RAILWAY CO CALLABLE BO	660,000	942,487	868,864	
136375CK6	CANADIAN NATIONAL RAILWAY CO CALLABLE NO	1,500,000	1,483,710	1,318,335	
136375BX9	CANADIAN NATIONAL RAILWAY CO CALLABLE NO	10,000,000	9,630,900	9,715,100	
136375BV3	CANADIAN NATIONAL RAILWAY CO CALLABLE NO	1,576,000	1,540,808	1,599,608	
136375BT8	CANADIAN NATIONAL RAILWAY CO CALLABLE NO	2,295,000	2,679,064	2,468,112	
136375BN1	CANADIAN NATIONAL RAILWAY CO CALLABLE NO	1,100,000	1,478,169	1,423,422	
136375BL5	CANADIAN NATIONAL RAILWAY CO CALLABLE NO	500,000	603,550	644,530	
2180632	CANADIAN NATIONAL RAILWAY CO COMMON STOC	88,906	5,699,176	5,990,490	
136385AV3	CANADIAN NATURAL RESOURCES LTD CALLABLE	763,000	758,547	765,258	
136385AT8	CANADIAN NATURAL RESOURCES LTD CALLABLE	2,205,000	2,177,152	2,197,437	
136385AR2	CANADIAN NATURAL RESOURCES LTD CALLABLE	1,620,000	1,663,076	1,656,013	
136385AP6	CANADIAN NATURAL RESOURCES LTD CALLABLE	635,000	743,306	740,969	
136385AN1	CANADIAN NATURAL RESOURCES LTD CALLABLE	1,362,000	1,427,376	1,417,788	
136385AL5	CANADIAN NATURAL RESOURCES LTD CALLABLE	10,930,000	11,345,524	12,434,624	
136385AK7	CANADIAN NATURAL RESOURCES LTD CALLABLE	3,385,000	3,770,738	3,435,403	
136385AJ0	CANADIAN NATURAL RESOURCES LTD CALLABLE	5,750,000	6,727,872	6,579,495	
136385AG6	CANADIAN NATURAL RESOURCES LTD CALLABLE	3,315,000	3,792,969	3,528,254	
136385AE1	CANADIAN NATURAL RESOURCES LTD CALLABLE	3,381,000	3,809,767	3,807,953	
136385AC5	CANADIAN NATURAL RESOURCES LTD CALLABLE	300,000	340,110	354,330	
2171573	CANADIAN NATURAL RESOURCES LTD COMMON ST	246,162	7,745,169	7,854,496	
13643EAH8	CANADIAN OIL SANDS LTD CALLABLE NOTES FI	6,049,000	5,755,062	5,804,016	
13643EAG0	CANADIAN OIL SANDS LTD CALLABLE NOTES FI	3,310,000	3,283,520	3,315,859	
13643EAF2	CANADIAN OIL SANDS LTD CALLABLE NOTES FI	6,590,000	6,878,313	7,270,220	
13645RAU8	CANADIAN PACIFIC RAILWAY CO CALLABLE BON	7,415,000	7,440,968	7,952,522	
13645RAD6	CANADIAN PACIFIC RAILWAY CO CALLABLE BON	700,000	826,410	948,619	
13645RAH7	CANADIAN PACIFIC RAILWAY CO CALLABLE NOT	1,038,000	1,230,881	1,101,245	
13645RAF1	CANADIAN PACIFIC RAILWAY CO CALLABLE NOT	3,940,000	4,425,566	4,694,904	
2793115	CANADIAN PACIFIC RAILWAY LTD	16,398	2,361,586	2,342,344	
13645RAQ7	CANADIAN PACIFIC RAILWAY LTD CALLABLE NO	828,000	1,080,225	995,011	
13645RAP9	CANADIAN PACIFIC RAILWAY LTD CALLABLE NO	725,000	798,675	778,904	
13645RAV6	CANADIAN PACIFIC RR CO 4.8% 15/SEP/2035	6,980,000	7,218,033	7,534,282	
13645RAX2	CANADIAN PACIFIC RR CO 6.125% 15/SEP/211	11,960,000	12,411,022	14,319,588	
2172286	CANADIAN TIRE CORP LTD COMMON STOCK CAD	8,182	832,459	849,713	
2172639	CANADIAN UTILITIES LTD COMMON STOCK CAD	14,290	378,086	385,634	
6172323	CANON INC COMMON STOCK JPY	126,444	3,682,532	3,572,109	
138616AA5	CANTOR FITZGERALD LP CALLABLE BOND FIXED	4,675,000	5,015,625	5,176,908	
13875VAU0	CANYON CAPITAL CLO 2012-1 LTD 2012-1A DR	1,000,000	997,500	997,140	
4163437	CAPGEMINI SA COMMON STOCK EUR 8	19,407	1,646,677	1,640,633	
B23KOM2	CAPITA PLC COMMON STOCK GBP 2.0667	234,316	1,618,628	1,537,418	
13976AAE0	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	235,000	234,950	232,992	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
13976AAD2	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	280,000	279,964	279,950	
13976AAB6	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	509,000	508,974	509,231	
13975NAD5	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	290,000	289,954	289,783	
13975NAC7	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	640,000	639,902	640,446	
13975NAB9	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	549,512	549,480	550,187	
13975GAD0	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	565,000	565,324	565,698	
13975FAD2	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	264,009	263,996	264,090	
13974MAC0	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	467,000	466,961	465,066	
13974MAB2	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	195,000	194,994	195,072	
13974LAD0	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	311,000	310,964	311,444	
13974LAC2	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	617,000	616,873	617,986	
13974LAB4	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	379,000	378,988	379,692	
13974HAD9	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	609,000	608,916	612,086	
13974HAA5	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	639,638	638,288	639,871	
139738AE8	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	829,000	828,976	831,440	
139738AD0	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	559,000	558,989	560,464	
139738AC2	CAPITAL AUTO RECEIVABLES ASSET TRUST 201	291,000	290,971	291,173	
140420NG1	CAPITAL ONE BANK USA NA CALLABLE BOND FI	2,800,000	2,805,740	2,799,440	
140420NL0	CAPITAL ONE BANK USA NA CALLABLE NOTES F	1,000,000	999,880	999,990	
140420NH9	CAPITAL ONE BANK USA NA CALLABLE NOTES F	10,920,000	10,978,055	10,968,812	
140420NB2	CAPITAL ONE BANK USA NA NOTES FIXED 3.37	4,385,000	4,297,639	4,343,825	
140420MV9	CAPITAL ONE BANK USA NA NOTES FIXED 8.8%	710,000	788,597	813,120	
14040HBK0	CAPITAL ONE FINANCIAL CORP CALLABLE NOTE	7,800,000	7,786,265	7,561,320	
14040HBJ3	CAPITAL ONE FINANCIAL CORP CALLABLE NOTE	10,400,000	10,487,715	10,434,632	
14040HBF1	CAPITAL ONE FINANCIAL CORP CALLABLE NOTE	1,450,000	1,448,681	1,468,879	
14040H105	CAPITAL ONE FINANCIAL CORP COMMON STOCK	42,407	1,828,293	3,699,587	
14040HBD6	CAPITAL ONE FINANCIAL CORP NOTES FIXED 3	10,797,000	9,086,801	10,837,813	
14041NFIJ5	CAPITAL ONE MULTI-ASSET EXECUTION TRUST	883,000	883,000	883,406	
14041NFH9	CAPITAL ONE MULTI-ASSET EXECUTION TRUST	1,895,000	1,894,726	1,890,234	
14041NFD8	CAPITAL ONE MULTI-ASSET EXECUTION TRUST	479,000	481,769	481,841	
14041NFC0	CAPITAL ONE MULTI-ASSET EXECUTION TRUST	1,417,000	1,417,000	1,422,756	
14041NEU1	CAPITAL ONE MULTI-ASSET EXECUTION TRUST	58,000	58,324	57,973	
14042E3Y4	CAPITAL ONE NA/MCLEAN VA CALLABLE BOND F	5,850,000	5,800,528	5,871,704	
14042RBT7	CAPITAL ONE NA/MCLEAN VA CALLABLE NOTES	14,335,000	14,312,697	13,986,803	
14042E5V8	CAPITAL ONE NA/MCLEAN VA CALLABLE NOTES	3,720,000	3,715,945	3,741,368	
14042E4L1	CAPITAL ONE NA/MCLEAN VA CALLABLE NOTES	4,250,000	4,249,150	4,241,755	
B011YD2	CAPITALAND COMMERCIAL TRUST REIT SGD 0	91,100	99,893	93,326	
6309303	CAPITALAND LTD COMMON STOCK SGD 0	113,019	247,054	236,255	
6420129	CAPITALAND MALL TRUST REIT SGD 0	109,227	155,042	142,516	
6440859	CAPITEC BANK HOLDINGS LTD COMMON STOCK Z	15,818	659,207	803,913	
141337105	CARBONITE INC COMMON STOCK USD 0.01	684	8,702	11,218	
14149YBC1	CARDINAL HEALTH INC CALLABLE NOTES FIXED	2,780,000	2,777,832	2,786,033	
14149YBB3	CARDINAL HEALTH INC CALLABLE NOTES FIXED	700,000	689,010	693,910	
14149YAW8	CARDINAL HEALTH INC CALLABLE NOTES FIXED	1,261,000	1,154,282	1,246,158	
14149YAT5	CARDINAL HEALTH INC CALLABLE NOTES FIXED	840,000	931,510	900,858	
14149Y108	CARDINAL HEALTH INC COMMON STOCK USD 0	55,599	2,507,090	4,001,460	
141624106	CARE CAPITAL PROPERTIES INC REIT USD 0.0	226,953	6,797,662	5,673,825	
14166N209	CAREADVANTAGE INC USD0.001	5,546,367	99,835	0	
14174T107	CARETRUST REIT INC REIT USD 0.01	1,320	16,214	20,222	
14179GAA8	CARFINANCE CAPITAL AUTO TRUST 2015-1 201	296,563	296,588	296,749	
141781BC7	CARGILL INC CALLABLE NOTES FIXED 4.1% 01	2,800,000	2,861,256	2,682,540	
142339100	CARLISLE COS INC COMMON STOCK USD 1	17,512	1,274,389	1,931,398	
4169219	CARLSBERG A/S COMMON STOCK DKK 20	20,727	1,665,786	1,792,044	
14309UAA0	CARLYLE HOLDINGS FINANCE LLC CALLABLE NO	2,577,000	2,615,695	2,600,399	
14310FAA0	CARLYLE HOLDINGS II FINANCE LLC CALLABLE	7,850,000	8,008,110	7,767,104	
143109AG1	CARLYLE US CLO 2016-4 LTD 2016-4A C FLOA	1,000,000	985,070	989,060	
14312QAC0	CARMAX AUTO OWNER TRUST 2016-4 2016-4 A3	926,000	925,772	916,078	
143130102	CARMAX INC COMMON STOCK USD 0.5	15,428	178,774	993,409	
143658300	CARNIVAL CORP COMMON STOCK USD 0.01	32,619	1,526,677	1,698,145	
3121522	CARNIVAL PLC COMMON STOCK GBP 1.66	54,763	2,162,485	2,791,301	
5641567	CARREFOUR SA COMMON STOCK EUR 2.5	54,668	1,451,791	1,319,862	
146229109	CARTER'S INC COMMON STOCK USD 0.01	22,897	2,158,852	1,978,072	
147528103	CASEY'S GENERAL STORES INC COMMON STOCK	3,099	380,496	368,409	
CASH	CASH		-84,205	-17,716,014	
587311W	CASH COLL CITI CME	3,706,252	3,706,252	3,706,252	
0WRR0C026	CASH COLLATERAL	900,000	900,000	900,000	
CCBCYTUS9	CASH COLLATERAL BCY	540,000	540,000	540,000	
CCFOBCUS1	CASH COLLATERAL CME FOB CCPC USD	1,154,000	1,154,000	1,154,000	
CCMSCCUS3	CASH COLLATERAL CME MSC CCPC USD	2,446,000	2,446,000	2,446,000	
CCMSCDUS1	CASH COLLATERAL DOM MSF MSC USD	530,000	530,000	530,000	
CCMDTDUS6	CASH COLLATERAL DOM MSF TDM USD	5,230,000	5,230,000	5,230,000	
CCDEUXUS8	CASH COLLATERAL FUTURES DEUTSCHE USD	875,000	875,000	875,000	
CCBOSXUS1	CASH COLLATERAL FUTURES MERRILL LYNCH	2,729,000	2,729,000	2,729,000	
CCWFSXUS7	CASH COLLATERAL FUTURES WELLS FARGO USD	256,000	256,000	256,000	
USD COLL	CASH COLLATERAL HELD AT BR TRUST REC	435,962	744,881	751,787	
USD COLL	CASH COLLATERAL HELD AT CITIGROUP GLOBAL	4,378,592	4,378,592	4,378,592	
USD COLCS	CASH COLLATERAL HELD AT CREDIT SUISSE FO	210,439	210,439	210,439	
USD COLLG	CASH COLLATERAL HELD AT GOLDMAN SACS	2,648,950	2,648,950	2,648,950	
USD COLLJ	CASH COLLATERAL HELD AT JPM CHASE BANK	1,611,660	1,611,660	1,611,660	
USD COLLM	CASH COLLATERAL HELD AT MERRILL LYNCH	887,591	887,591	887,591	
USD COLMS	CASH COLLATERAL HELD AT MORGAN STANLEY F	2,219,000	2,219,000	2,219,000	
CCFOBZUS0	CASH COLLATERAL ICE FOB CCPC USD	1,347,000	1,347,000	1,347,000	
CCMSCZUS2	CASH COLLATERAL ICE MSC USD	10,653,000	10,653,000	10,653,000	
CCBFBIUS2	CASH COLLATERAL IDSA FBF USD	365,000	365,000	365,000	
CCJPMIUS9	CASH COLLATERAL IDSA JPM USD	-773,000	600,000	600,000	
CCBOAIUS3	CASH COLLATERAL IDSA BOA USD	-410,000	210,000	210,000	
CCCBKIUS9	CASH COLLATERAL IDSA CBK USD	-880,000	60,000	60,000	
CCDUBIUS6	CASH COLLATERAL IDSA DUB USD	340,000	340,000	340,000	
CCGSTIUS9	CASH COLLATERAL IDSA GST USD	-3,350,000	100,000	100,000	

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Personal Pension Plan

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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	CCBOSTUS0	CASH COLLATERAL TBA BOS USD	250,000	250,000	250,000
	CCGSCTUS3	CASH COLLATERAL TBA GSC USD	510,000	510,000	510,000
	BRSWPG676	CASH COLLATERAL USD UBFUT	1,340,000	1,340,000	1,340,000
	CMEZARCSF	CASH COLLME CREDIT SUISSE	155,644	11,136	11,382
	587181W	CASH COLLME CREDIT SUISSE	-16,457,074	53,191	53,191
	107743S	CASH UNITED STATES DOLLAR	882,000	882,000	882,000
	6178860	CASHBUILD LTD COMMON STOCK ZAR 1	2,282	53,481	57,405
	4178419	CASINO GUICHARD PERRACHON SA COMMON STOC	7,308	357,767	351,413
	6178967	CASIO COMPUTER CO LTD COMMON STOCK JPY	79,415	1,094,086	1,125,503
	14913CAA8	CATERPILLAR FINANCIAL SERVICES CORP CALL	66,000	89,376	63,724
	14912L6U0	CATERPILLAR FINANCIAL SERVICES CORP CALL	27,856,000	27,698,118	26,755,967
	14912L6R7	CATERPILLAR FINANCIAL SERVICES CORP CALL	1,880,000	1,850,428	1,854,000
	14912L6M8	CATERPILLAR FINANCIAL SERVICES CORP MEDI	1,305,000	1,324,066	1,305,013
	149123CB5	CATERPILLAR INC CALLABLE BOND FIXED 3.80	3,275,000	2,380,145	3,146,686
	149123CE9	CATERPILLAR INC CALLABLE MEDIUM TERM NOT	10,361,000	10,495,713	11,047,727
	149123CD1	CATERPILLAR INC CALLABLE NOTES FIXED 4.3	1,109,000	1,101,604	1,149,955
	149123101	CATERPILLAR INC COMMON STOCK USD 1	80,877	3,653,840	7,500,533
	6425663	CATHAY FINANCIAL HOLDING CO LTD COMMON S	155,000	232,196	231,810
	6179755	CATHAY PACIFIC AIRWAYS LTD COMMON STOCK	52,760	71,555	69,411
	14916RAE4	CATHOLIC HEALTH INITIATIVES CALLABLE BON	3,010,000	3,024,333	3,039,438
	14916RAD6	CATHOLIC HEALTH INITIATIVES CALLABLE BON	2,710,000	2,557,702	2,407,158
	14916RAB0	CATHOLIC HEALTH INITIATIVES CALLABLE BON	780,000	781,099	783,416
*	FC77COM	CATTLE FEEDER FUT LIVESTOCK 30/MAR/2017	64	0	67,368
	1248MGAJ3	C-BASS 2007-CB1 TRUST 2007-CB1 AF1A FLOA	675,393	675,393	249,400
	124830100	CBL & ASSOCIATES PROPERTIES INC REIT USD	953,900	16,210,948	10,969,850
	12503M108	CBOE HOLDINGS INC COMMON STOCK USD	16,225	767,482	1,198,865
	12504L109	CBRE GROUP INC COMMON STOCK USD 0.01	25,784	427,705	811,938
	124857AR4	CBS CORP CALLABLE NOTES FIXED 2.9% 15/JA	6,525,000	6,410,500	6,052,590
	124857AG8	CBS CORP CALLABLE NOTES FIXED 3.375% 01/	190,000	189,631	193,175
	124857AE3	CBS CORP CALLABLE NOTES FIXED 4.3% 15/FE	120,000	124,147	127,224
	124857AN3	CBS CORP CALLABLE NOTES FIXED 4.6% 15/JA	3,940,000	3,742,005	3,792,053
	925524AU4	CBS CORP CALLABLE NOTES FIXED 4.625% 15/	675,000	738,079	699,806
	124857AK9	CBS CORP CALLABLE NOTES FIXED 4.9% 15/AU	4,400,000	4,340,116	4,404,356
	925524AV2	CBS CORP CALLABLE NOTES FIXED 5.5% 15/MA	3,600,000	3,466,999	3,739,428
	124857AD5	CBS CORP CALLABLE NOTES FIXED 5.75% 15/A	889,000	1,022,634	981,314
	124857AF0	CBS CORP CALLABLE NOTES FIXED 5.9% 15/OC	600,000	630,224	673,818
	124857202	CBS CORP COMMON STOCK USD 0.001	46,114	1,667,620	2,933,773
	14987BAE3	CC HOLDINGS GS V LLC / CROWN CASTLE GS I	911,000	921,294	925,786
	2159795	CCL INDUSTRIES INC COMMON STOCK CAD 0	5,443	927,090	1,070,701
	CCFOBTUS4	CCMSBIUS1	1,720,000	1,720,000	1,720,000
	1248EPBP7	CCO HOLDINGS LLC / CCO HOLDINGS CAPITAL	750,000	789,375	800,625
	CMEJJPYCSF	CCP COLLATERAL CS	74,082,921	679,278	635,169
	131995987	CD & R FUND V - IBM L P	985,130	30,743	0
	12514AAE1	CD 2007-CD5 MORTGAGE TRUST 2007-CD5 A4 V	605,772	492,474	615,662
	12514MAY1	CD 2016-CD1 MORTGAGE TRUST 2016-CD1 A1 1	158,269	158,269	156,018
	12514MBA2	CD 2016-CD1 MORTGAGE TRUST 2016-CD1 ASB	455,000	457,817	445,393
	7302215	CD PROJEKT SA COMMON STOCK PLN 1	37,159	321,415	464,677
	12506YDF3	CDC MORTGAGE CAPITAL TRUST 2004-HE3 2004	783,522	584,703	728,247
	1.25E+105	CDK GLOBAL INC COMMON STOCK USD 0.01	89,519	4,282,849	5,343,389
	125094AQ5	CDP FINANCIAL INC CALLABLE NOTES FIXED 3	1,950,000	1,993,368	1,977,671
	12514G108	CDW CORP/DE COMMON STOCK USD 0.01	13,024	462,733	678,420
	B2NRDY6	CEBU AIR INC COMMON STOCK PHP 1	213,350	477,536	399,126
	B87X2L2	CECEP COSTIN NEW MATERIALS GROUP LTD COM	237,000	32,655	18,341
	150870103	CELANESE CORP COMMON STOCK USD 0.0001	15,118	566,812	1,190,391
	15101Q108	CELESTICA INC COMMON STOCK CAD 0	1,000	11,614	11,850
	151020AN4	CELGENE CORP CALLABLE NOTES FIXED 2.25%	600,000	602,556	600,342
	151020AR5	CELGENE CORP CALLABLE NOTES FIXED 3.55%	2,450,000	2,443,361	2,512,696
	151020AP9	CELGENE CORP CALLABLE NOTES FIXED 3.625%	1,520,000	1,510,070	1,527,433
	151020AS3	CELGENE CORP CALLABLE NOTES FIXED 3.875%	5,625,000	5,713,789	5,705,494
	151020AM6	CELGENE CORP CALLABLE NOTES FIXED 4.625%	7,360,000	7,397,057	7,206,323
	151020AU8	CELGENE CORP CALLABLE NOTES FIXED 5% 15/	12,210,000	12,444,234	12,695,103
	151020AL8	CELGENE CORP CALLABLE NOTES FIXED 5.25%	290,000	316,712	305,915
	151020AF1	CELGENE CORP CALLABLE NOTES FIXED 5.7% 1	3,595,000	4,150,180	3,999,114
	151020104	CELGENE CORP COMMON STOCK USD 0.01	76,861	1,874,495	8,896,661
	151191AW3	CELULOSA ARAUCO Y CONSTITUCION SA CALLAB	710,000	718,163	738,641
	BFSSBH4	CEMBRA MONEY BANK AG COMMON STOCK CHF 1	3,875	252,138	282,900
	151290889	CEMEX SAB DE CV ADR USD 0	47,039	375,093	377,723
	B00R3L2	CENCOSUD SA COMMON STOCK CLP 0	285,997	903,725	802,714
	15135UAK5	CENOVUS ENERGY INC CALLABLE NOTES FIXED	940,000	985,165	895,350
	15135UAJ8	CENOVUS ENERGY INC CALLABLE NOTES FIXED	640,000	459,200	624,659
	15135UAF6	CENOVUS ENERGY INC CALLABLE NOTES FIXED	5,045,000	5,833,068	5,625,024
	15135UAD1	CENOVUS ENERGY INC CALLABLE NOTES FIXED	3,090,000	3,195,377	3,305,497
	B57FG04	CENOVUS ENERGY INC COMMON STOCK CAD 0	96,068	1,350,371	1,454,219
	B5TT187	CENTAMIN PLC COMMON STOCK GBP 0	310,934	652,615	532,125
	15135B101	CENTENE CORP COMMON STOCK USD 0.001	17,469	677,946	987,173
	15189XAN8	CENTERPOINT ENERGY HOUSTON ELECTRIC LLC	10,326,000	10,481,292	11,217,960
	15189T107	CENTERPOINT ENERGY INC COMMON STOCK USD	127,025	2,772,534	3,129,896
	15189WAH3	CENTERPOINT ENERGY RESOURCES CORP CALLAB	1,420,000	1,815,870	1,606,645
	15189WAD2	CENTERPOINT ENERGY RESOURCES CORP CALLAB	3,216,000	3,688,364	3,878,560
	2308445	CENTRAIS ELETRICAS BRASILEIRAS SA PREFER	92,600	248,481	736,601
	153436100	CENTRAL EUROPE RUSSIA AND TURKEY FUND IN	31,548	1,166,417	651,466
	6183552	CENTRAL JAPAN RAILWAY CO COMMON STOCK JP	6,400	1,042,972	1,055,189
	B6SR6J5	CENTRAL PATTANA PCL FOREIGN SH. THB 0.5	805,200	1,192,538	1,276,025
	15639KAA0	CENTRICA PLC CALLABLE NOTES FIXED 4% 16/	1,325,000	1,387,924	1,349,115
	B033F22	CENTRICA PLC COMMON STOCK GBP 6.1728	378,813	1,187,520	1,095,776
	6413066	CENTURY ENKA LTD COMMON STOCK INR 10	24,373	145,702	98,182
	156700AX4	CENTURYLINK INC CALLABLE NOTES FIXED 6.7	1,250,000	1,343,750	1,278,125
	156700106	CENTURYLINK INC COMMON STOCK USD 1	78,596	3,465,038	1,869,013
	156782104	CERNER CORP COMMON STOCK USD 0.01	26,613	435,568	1,260,658

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6304728	CESC LTD COMMON STOCK INR 10	23,138	221,980	217,675	
5624030	CEZ AS COMMON STOCK CZK 100	8,485	158,999	142,422	
125269100	CF INDUSTRIES HOLDINGS INC COMMON STOCK	56,893	1,444,135	1,790,992	
12527GAG8	CF INDUSTRIES INC CALLABLE NOTES FIXED 3	3,774,000	3,770,296	3,734,335	
12527GAC7	CF INDUSTRIES INC CALLABLE NOTES FIXED 3	4,100,000	3,674,625	3,685,900	
12527GAH6	CF INDUSTRIES INC CALLABLE NOTES FIXED 4	2,810,000	2,786,505	2,761,921	
12527GAD5	CF INDUSTRIES INC CALLABLE NOTES FIXED 4	4,530,000	4,309,044	3,703,275	
12527GAF0	CF INDUSTRIES INC CALLABLE NOTES FIXED 5	1,775,000	1,765,770	1,508,750	
12527GAE3	CF INDUSTRIES INC CALLABLE NOTES FIXED 5	6,170,000	5,393,082	5,092,163	
12527GAA1	CF INDUSTRIES INC CALLABLE NOTES FIXED 6	120,000	143,773	126,317	
12527EAD0	CFCRE COMMERCIAL MORTGAGE TRUST 2011-C1	402,000	470,694	433,465	
12531WAY8	CFCRE COMMERCIAL MORTGAGE TRUST 2016-C3	271,564	273,940	270,709	
12532BAD9	CFCRE COMMERCIAL MORTGAGE TRUST 2016-C7	1,328,000	1,367,831	1,372,015	
2159740	CGI GROUP INC COMMON STOCK CAD 0	25,198	1,211,150	1,210,812	
12541W209	CH ROBINSON WORLDWIDE INC COMMON STOCK U	11,319	251,519	829,230	
B58J1S8	CHAILEASE HOLDING CO LTD COMMON STOCK TW	92,000	157,058	157,287	
6726300	CHALLENGER LTD/AUSTRALIA COMMON STOCK AU	25,133	200,623	204,555	
6099938	CHAMBAL FERTILIZERS AND CHEMICALS LTD CO	59,767	60,151	62,567	
15911M107	CHANGYOU.COM LTD ADR USD 0.02	2,972	58,702	63,066	
B61TX08	CHAOWEI POWER HOLDINGS LTD COMMON STOCK	399,000	320,359	341,199	
159864107	CHARLES RIVER LABORATORIES INTERNATIONAL	3,819	149,501	290,970	
808513105	CHARLES SCHWAB CORP/THE COMMON STOCK USD	93,171	1,200,098	3,677,459	
5C5852B	CHARTER COMM / CCO (SAFARI III) TL I 161	4,863,250	4,851,170	4,899,724	
16119P108	CHARTER COMMUNICATIONS INC COMMON STOCK	16,044	1,333,918	4,619,388	
3B6038B	CHARTER COMMUNICATIONS OPER TL E 16117LB	1,449,840	1,434,025	1,459,003	
2B9463B	CHARTER COMMUNICATIONS OPER TL F 16117LB	2,296,701	2,270,488	2,310,733	
161175BC7	CHARTER COMMUNICATIONS OPERATING LLC / C	8,870,000	9,154,255	10,398,478	
161175BB9	CHARTER COMMUNICATIONS OPERATING LLC / C	15,115,000	15,428,477	15,795,628	
161175BA1	CHARTER COMMUNICATIONS OPERATING LLC / C	41,164,000	44,075,123	47,588,877	
161175AZ7	CHARTER COMMUNICATIONS OPERATING LLC / C	39,387,000	40,714,117	44,688,490	
161175AY0	CHARTER COMMUNICATIONS OPERATING LLC / C	8,140,000	8,318,451	8,578,990	
161175AX2	CHARTER COMMUNICATIONS OPERATING LLC / C	14,300,000	14,302,605	14,589,432	
161546DQ6	CHASE FUNDING TRUST SERIES 2002-4 2002-4	12,213	12,200	11,483	
161571HD9	CHASE ISSUANCE TRUST 2016-A3 A3 FLOATING	3,267,000	3,267,151	3,276,962	
16162YAC9	CHASE MORTGAGE FINANCE TRUST SERIES 2006	305,752	283,971	251,564	
16162XAH0	CHASE MORTGAGE FINANCE TRUST SERIES 2006	451,057	408,238	360,771	
161630AQ1	CHASE MORTGAGE FINANCE TRUST SERIES 2007	1,217,513	1,155,487	1,202,458	
M22465104	CHECK POINT SOFTWARE TECHNOLOGIES LTD CO	18,208	1,461,858	1,537,848	
163851108	CHEMOURS CO/THE COMMON STOCK USD	8,600	216,395	189,974	
6190239	CHENG LOONG CORP COMMON STOCK TWD 10	435,720	173,331	175,078	
6190228	CHENG SHIN RUBBER INDUSTRY CO LTD COMMON	319,000	680,664	601,793	
16412XAA3	CHENIERE CORPUS CHRISTI HOLDINGS LLC CAL	1,200,000	1,200,000	1,299,000	
16411R208	CHENIERE ENERGY INC COMMON STOCK USD 0.0	15,929	242,174	659,938	
165167107	CHESAPEAKE ENERGY CORP COMMON STOCK USD	48,644	1,034,913	341,481	
165240102	CHESAPEAKE LODGING TRUST REIT USD 0.01	89,790	2,446,847	2,321,969	
6212553	CHEUNG KONG INFRASTRUCTURE HOLDINGS LTD	30,019	254,649	238,893	
BWXS2N2	CHEUNG KONG PROPERTY HOLDINGS LTD COMMON	166,498	1,158,686	1,021,131	
166764BG4	CHEVRON CORP CALLABLE NOTES FIXED 2.1% 1	9,855,000	9,857,146	9,770,543	
166764AB6	CHEVRON CORP CALLABLE NOTES FIXED 2.355%	848,000	808,144	832,193	
166764AT7	CHEVRON CORP CALLABLE NOTES FIXED 2.411%	2,120,000	2,120,000	2,101,704	
166764AY6	CHEVRON CORP CALLABLE NOTES FIXED 2.419%	4,105,000	4,103,934	4,134,228	
166764BL3	CHEVRON CORP CALLABLE NOTES FIXED 2.954%	4,590,000	4,619,264	4,515,045	
166764100	CHEVRON CORP COMMON STOCK USD 0.75	202,339	9,949,839	23,815,300	
166754AP6	CHEVRON PHILLIPS CHEMICAL CO LLC / CHEVR	285,000	284,253	284,516	
6190563	CHIBA BANK LTD/THE COMMON STOCK JPY	31,483	197,240	193,538	
167250109	CHICAGO BRIDGE & IRON CO NV COMMON STOCK	10,746	256,966	341,186	
CUAZ7CO	CHICAGO ETHANOL S REFINED PRODUCTS 29/DE	49	0	66,046	
167560PL9	CHICAGO ILL MET WTR RECLAMATION DIST GTR	90,000	91,490	107,582	
167486SD2	CHICAGO ILL RFDG-TAXABLE-PROJ-SER B 24/M	835,000	870,596	744,503	
167486VW6	CHICAGO ILL TAXABLE-SER B 21/JUL/2015 01	800,000	781,328	810,432	
167725AF7	CHICAGO ILL TRAN AUTH SALES & TRANSFER T	6,855,000	7,795,416	8,560,181	
167725AC4	CHICAGO ILL TRAN AUTH SALES & TRANSFER T	12,085,000	12,803,177	15,091,144	
16772PAQ9	CHICAGO ILL TRAN AUTH SALES TAX RCPTS RE	8,540,000	9,532,239	9,985,651	
16934Q208	CHIMERA INVESTMENT CORP REIT USD 0.01	107,975	1,758,195	1,837,735	
B01LS18	CHIN WELL HOLDINGS BHD COMMON STOCK MYR	63,500	28,565	21,799	
BGY6SV2	CHINA CINDA ASSET MANAGEMENT CO LTD COMM	2,532,000	923,821	917,681	
B1HVJ16	CHINA COMMUNICATIONS SERVICES CORP LTD C	612,000	385,921	389,942	
B0LMTQ3	CHINA CONSTRUCTION BANK CORP COMMON STOC	10,541,000	7,836,843	8,116,671	
B3DDYK4	CHINA FORESTRY HOLDINGS CO LTD COMMON ST	1,279,700	2	2	
169373107	CHINA FUND INC/THE CLOSED-END FUND USD	15,883	334,604	239,039	
6718976	CHINA LIFE INSURANCE CO LTD COMMON STOCK	172,000	606,714	448,128	
6199816	CHINA LIFE INSURANCE CO LTD/TAIWAN COMMO	457,000	468,553	454,462	
B4Q2TX3	CHINA LONGYUAN POWER GROUP CORP LTD COMM	501,000	433,009	391,591	
B51Z6D3	CHINA LUMENA NEW MATERIALS CORP COMMON S	2,176,000	445,574	350,825	
B01B1L9	CHINA MENGNIU DAIRY CO LTD COMMON STOCK	230,000	375,048	443,201	
6416139	CHINA MERCHANTS PORT HOLDINGS CO LTD COM	23,168	85,886	57,493	
6073556	CHINA MOBILE LTD COMMON STOCK HKD 0	580,250	6,650,836	6,151,893	
6192150	CHINA OVERSEAS LAND & INVESTMENT LTD COM	56,000	187,765	148,430	
6291819	CHINA PETROLEUM & CHEMICAL CORP COMMON S	1,069,200	713,656	758,479	
B02ZKQ8	CHINA POWER INTERNATIONAL DEVELOPMENT LT	701,000	284,399	254,066	
B2PFVH7	CHINA RAILWAY CONSTRUCTION CORP LTD COMM	706,500	867,019	909,420	
6972459	CHINA RESOURCES BEER HOLDINGS CO LTD COM	145,040	389,191	288,091	
B09N7M0	CHINA SHENHUA ENERGY CO LTD COMMON STOCK	384,000	809,248	723,113	
B29NB99	CHINA SUNSHINE PAPER HOLDINGS CO LTD COM	436,000	81,655	78,167	
6559335	CHINA TELECOM CORP LTD COMMON STOCK HKD	4,564,000	2,573,896	2,107,417	
6263830	CHINA UNICOM HONG KONG LTD COMMON STOCK	90,000	128,328	104,822	
169990918	CHINA VEST V LLC IBM	100	13,535,968	0	
169656105	CHIPOTLE MEXICAN GRILL INC COMMON STOCK	2,255	225,672	850,857	
12669FN82	CHL MORTGAGE PASS-THROUGH TRUST 2004-12	67,211	66,272	57,104	

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	12669F3A9	CHL MORTGAGE PASS-THROUGH TRUST 2004-HYB	267,869	262,847	266,058
	12669GPN5	CHL MORTGAGE PASS-THROUGH TRUST 2005-2 2	949,778	951,559	747,413
	12669GZQ7	CHL MORTGAGE PASS-THROUGH TRUST 2005-21	593,536	534,924	568,537
	12669GTU5	CHL MORTGAGE PASS-THROUGH TRUST 2005-3 2	7,540,777	-10,355	416,096
	12669GZQ7	CHL MORTGAGE PASS-THROUGH TRUST 2005-9 2	900,351	901,335	741,657
	12669GYY1	CHL MORTGAGE PASS-THROUGH TRUST 2005-9 2	982,792	982,736	823,888
	126694BQ0	CHL MORTGAGE PASS-THROUGH TRUST 2005-HYB	958,488	804,277	834,468
	126670LE6	CHL MORTGAGE PASS-THROUGH TRUST 2005-HYB	1,247,359	1,195,940	1,097,002
	126670JY5	CHL MORTGAGE PASS-THROUGH TRUST 2005-HYB	1,146,964	1,035,401	1,003,314
	5962309	CHOCOLADEFABRIKEN LINDT & SPRUENGLI AG C	4	248,694	243,617
	5962280	CHOCOLADEFABRIKEN LINDT & SPRUENGLI AG C	44	230,512	228,366
	169905106	CHOICE HOTELS INTERNATIONAL INC COMMON S	19,385	956,835	1,086,529
	B4Q1Y57	CHONGOING RURAL COMMERCIAL BANK CO LTD C	734,000	328,527	430,754
	B4R39F7	CHOW TAI FOOK JEWELLERY GROUP LTD COMMON	295,400	227,543	225,937
	B573M11	CHR HANSEN HOLDING A/S COMMON STOCK DKK	11,000	679,878	610,266
	4061393	CHRISTIAN DIOR SE COMMON STOCK EUR 2	2,666	495,280	560,284
	6212100	CHROMA ATE INC COMMON STOCK TWD 10	55,000	137,015	128,673
	17119BAC1	CHRYSLER CAPITAL AUTO RECEIVABLES TRUST	1,268,000	1,267,728	1,257,964
	5A8293B	CHRYSLER; TERM LOAN B: 99BL116M7; LX1307	720,970	725,141	723,897
	171232AQ4	CHUBB CORP/THE CALLABLE NOTES FIXED 6% 1	2,875,000	3,685,410	3,586,131
	171232AS0	CHUBB CORP/THE CALLABLE NOTES FIXED 6.5%	1,350,000	1,467,693	1,809,473
	171232AP6	CHUBB CORP/THE CALLABLE NOTES VARIABLE 2	1,300,000	1,002,314	1,222,000
	00440EAW7	CHUBB INA HOLDINGS INC CALLABLE NOTES FI	16,362,000	16,586,828	17,283,181
	00440EAV9	CHUBB INA HOLDINGS INC CALLABLE NOTES FI	5,087,000	5,232,176	5,152,673
	00440EAU1	CHUBB INA HOLDINGS INC CALLABLE NOTES FI	1,920,000	1,917,581	1,935,706
	00440EAT4	CHUBB INA HOLDINGS INC CALLABLE NOTES FI	1,620,000	1,619,093	1,619,627
	00440EAQ0	CHUBB INA HOLDINGS INC CALLABLE NOTES FI	1,900,000	1,885,026	1,918,164
	H1467J104	CHUBB LTD COMMON STOCK USD 24.15	51,355	3,347,699	6,785,023
	6195609	CHUBU ELECTRIC POWER CO INC COMMON STOCK	28,392	411,353	397,515
	6196408	CHUGAI PHARMACEUTICAL CO LTD COMMON STOC	9,931	312,953	285,665
	6195803	CHUGOKU BANK LTD/THE COMMON STOCK JPY	37,426	537,058	538,439
	6195900	CHUGOKU ELECTRIC POWER CO INC/THE COMMON	13,166	149,264	154,761
	6287841	CHUNGHWA TELECOM CO LTD COMMON STOCK TWD	65,000	206,587	204,707
	171340102	CHURCH & DWIGHT CO INC COMMON STOCK USD	21,066	173,315	930,907
	B3KT055	CI FINANCIAL CORP COMMON STOCK CAD 0	27,817	522,814	598,842
	2039110	CIA DE GAS DE SAO PAULO - COMGAS PREFERE	1,539	15,507	21,704
	B1YCHL8	CIA DE SANEAMENTO BASICO DO ESTADO DE SA	38,100	315,855	337,020
	B0YBZJ2	CIA DE SANEAMENTO DE MINAS GERAIS-COPASA	19,000	183,491	213,076
	204409601	CIA ENERGETICA DE MINAS GERAIS ADR USD	178,300	615,923	406,524
	B1YBRG0	CIA ENERGETICA DE MINAS GERAIS PREFERENC	379,927	2,803,489	900,002
	B17MHG0	CIA ENERGETICA DE SAO PAULO PREFERENCE B	19,000	73,017	78,751
	B1YJCJ34	CIA ENERGETICA DO CEARA PREFERENCE BRL 0	12,510	197,709	192,145
	20441B407	CIA PARANAENSE DE ENERGIA ADR USD 0	20,802	333,400	176,401
	7380482	CIE DE SAINT-GOBAIN COMMON STOCK EUR 4	57,675	2,512,043	2,692,151
	BCRWZ18	CIE FINANCIERE RICHEMONT SA COMMON STOCK	60,826	2,346,491	4,036,713
	B3DXNG3	CIE FINANCIERE RICHEMONT SA RECEIPT ZAR	29,763	168,015	197,491
	4588364	CIE GENERALE DES ETABLISSEMENTS MICHELIN	33,510	3,453,495	3,735,932
	B614LY3	CIELO SA COMMON STOCK BRL 0	101,840	1,036,023	872,682
	B8Z00N3	CIFI HOLDINGS GROUP CO LTD COMMON STOCK	594,000	158,570	160,123
	125509AZ2	CIGNA CORP BOND FIXED 7.875% 15/MAY/2027	4,165,000	5,367,054	5,482,639
	125509BU2	CIGNA CORP CALLABLE NOTES FIXED 3.25% 15	4,715,000	4,712,077	4,592,174
	125509BS7	CIGNA CORP CALLABLE NOTES FIXED 4% 15/FE	2,250,000	2,343,750	2,350,620
	125509BN8	CIGNA CORP CALLABLE NOTES FIXED 4.375% 1	275,000	283,495	292,342
	125509BM0	CIGNA CORP CALLABLE NOTES FIXED 5.125% 1	305,000	350,807	330,440
	125509BT5	CIGNA CORP CALLABLE NOTES FIXED 5.375% 1	6,255,000	6,783,191	6,968,195
	125509BQ1	CIGNA CORP CALLABLE NOTES FIXED 5.875% 1	6,525,000	8,021,031	7,500,422
	125509109	CIGNA CORP COMMON STOCK USD 0.25	32,282	1,232,173	4,306,096
	171798AC5	CIMAREX ENERGY CO CALLABLE NOTES FIXED 4	355,000	366,502	369,182
	171798AB7	CIMAREX ENERGY CO CALLABLE NOTES FIXED 5	2,400,000	2,258,250	2,494,752
	171798101	CIMAREX ENERGY CO COMMON STOCK USD 0.01	7,500	365,763	1,019,250
	BX17Q13	CIMIC GROUP LTD COMMON STOCK AUD 0	27,378	702,611	692,665
	172062AF8	CINCINNATI FINANCIAL CORP BOND FIXED 6.9	4,768,000	4,862,396	5,960,143
	172062AE1	CINCINNATI FINANCIAL CORP CALLABLE NOTES	700,000	630,731	812,742
	172062101	CINCINNATI FINANCIAL CORP COMMON STOCK U	17,466	673,082	1,323,050
	17243V102	CINEMARK HOLDINGS INC COMMON STOCK USD 0	8,641	185,920	331,469
	172908105	CINTAS CORP COMMON STOCK USD 0	7,079	159,329	818,049
	178995429	CINVEN - THIRD FUND/BULLSHEAD D LLC	100	0	429,847
	171990039	CINVEN CAPITAL IV CO-INVEST/1133 WEST	100	0	3,436,884
	89199Z445	CINVEN FOURTH FUND/1133 WEST LLC	100	0	13,315,736
	17275RBJ0	CISCO SYSTEMS INC CALLABLE NOTES FIXED 1	5,055,000	5,054,292	4,933,528
	17275RBG6	CISCO SYSTEMS INC CALLABLE NOTES FIXED 1	2,695,000	2,692,009	2,665,625
	17275RBH4	CISCO SYSTEMS INC CALLABLE NOTES FIXED 2	915,000	913,115	880,184
	17275RBE1	CISCO SYSTEMS INC CALLABLE NOTES FIXED 2	1,580,000	1,617,616	1,568,197
	17275RBD3	CISCO SYSTEMS INC CALLABLE NOTES FIXED 2	5,015,000	5,005,371	5,004,218
	17275RBC5	CISCO SYSTEMS INC CALLABLE NOTES FIXED 2	545,000	544,586	539,697
	17275RAR3	CISCO SYSTEMS INC CALLABLE NOTES FIXED 2	1,285,000	1,316,226	1,301,936
	17275RAF9	CISCO SYSTEMS INC CALLABLE NOTES FIXED 5	8,475,000	10,496,430	10,324,245
	17275RAD4	CISCO SYSTEMS INC CALLABLE NOTES FIXED 5	8,320,000	10,178,381	10,566,234
	17275R102	CISCO SYSTEMS INC COMMON STOCK USD 0.001	510,674	9,158,419	15,432,568
	125581GT9	CIT GROUP INC CALLABLE NOTES FIXED 5% 15	250,000	263,125	253,125
	125581GH5	CIT GROUP INC CALLABLE NOTES FIXED 5.5%	7,543,000	8,053,356	7,957,865
	125581801	CIT GROUP INC COMMON STOCK USD 0.01	70,504	2,430,317	3,009,111
	CCSALCUS6	CITIBANK COLLATERAL CCPC	1,822,638	1,822,638	1,822,638
	17305EFU4	CITIBANK CREDIT CARD ISSUANCE TRUST 2014	345,000	347,581	346,322
	17305BAB7	CITICORP LEASE PASS-THROUGH TRUST 1999-1	1,563,130	1,915,107	1,795,068
	17305HAA6	CITIGROUP CAPITAL III BOND FIXED 7.625%	3,895,000	4,747,422	4,547,413
	173080201	CITIGROUP CAPITAL XIII CALLABLE PREFERENCE	34,425	881,893	888,854
	17311QBL3	CITIGROUP COMMERCIAL MORTGAGE TRUST 2007	1,573,084	1,596,680	1,586,776
	17311QBK5	CITIGROUP COMMERCIAL MORTGAGE TRUST 2007	1,070,000	1,235,820	1,079,277

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	17313KAH4	CITIGROUP COMMERCIAL MORTGAGE TRUST 2008	1,125,000	1,159,453	1,157,024
	17321RAD8	CITIGROUP COMMERCIAL MORTGAGE TRUST 2013	684,000	739,067	732,944
	17320DAC2	CITIGROUP COMMERCIAL MORTGAGE TRUST 2013	423,000	427,857	422,380
	29425AAE3	CITIGROUP COMMERCIAL MORTGAGE TRUST 2015	14,500,000	14,934,987	14,962,127
	17323YAE9	CITIGROUP COMMERCIAL MORTGAGE TRUST 2015	1,500,000	1,538,730	1,540,511
	17324TAE9	CITIGROUP COMMERCIAL MORTGAGE TRUST 2016	485,000	506,656	498,008
	17291EAW1	CITIGROUP COMMERCIAL MORTGAGE TRUST 2016	2,383,000	2,454,323	2,462,561
	17290XAS9	CITIGROUP COMMERCIAL MORTGAGE TRUST 2016	5,000,000	5,049,792	4,916,883
	172967KK6	CITIGROUP INC BOND FIXED 2.7% 30/MAR/202	16,220,000	16,231,135	16,182,856
	172967KN0	CITIGROUP INC BOND FIXED 3.4% 01/MAY/202	1,375,000	1,396,688	1,336,033
	172967KG5	CITIGROUP INC BOND FIXED 3.7% 12/JAN/202	5,080,000	5,216,490	5,053,838
	172967JT9	CITIGROUP INC BOND FIXED 4.4% 10/JUN/202	21,265,000	21,476,239	21,755,158
	172967LC3	CITIGROUP INC CALLABLE BOND FIXED 2.9% 0	4,540,000	4,532,237	4,527,742
	172967JM4	CITIGROUP INC CALLABLE BOND VARIABLE 31/	4,450,000	4,401,580	4,395,265
	172967KM2	CITIGROUP INC CALLABLE BOND VARIABLE USD	475,000	511,053	488,775
	172967KD2	CITIGROUP INC CALLABLE BOND VARIABLE USD	1,083,000	1,083,000	1,120,905
	172967JZ5	CITIGROUP INC CALLABLE BOND VARIABLE USD	2,840,000	2,840,000	2,882,458
	172967JK8	CITIGROUP INC CALLABLE BOND VARIABLE USD	3,000,000	2,897,500	3,030,000
	172967KY6	CITIGROUP INC CALLABLE NOTES FIXED 3.2%	17,367,000	17,168,463	16,606,673
	172967KX8	CITIGROUP INC CALLABLE NOTES VARIABLE 01	1,500,000	1,495,260	1,529,820
	172967GF2	CITIGROUP INC CALLABLE NOTES VARIABLE US	525,000	534,469	530,906
	172967424	CITIGROUP INC COMMON STOCK USD 0.01	338,159	16,249,381	20,096,789
	172967HS3	CITIGROUP INC MEDIUM TERM NOTE FIXED 5.3	3,485,000	3,677,890	3,753,972
	172967HK0	CITIGROUP INC NOTES FIXED 1.35% 10/MAR/2	1,015,000	1,015,761	1,015,213
	172967HY0	CITIGROUP INC NOTES FIXED 1.55% 14/AUG/2	865,000	863,789	865,606
	172967JN2	CITIGROUP INC NOTES FIXED 1.7% 27/APR/20	920,000	912,594	917,976
	172967JJ1	CITIGROUP INC NOTES FIXED 2.4% 18/FEB/20	530,000	528,834	528,924
	172967HC8	CITIGROUP INC NOTES FIXED 2.5% 26/SEP/20	8,315,000	8,396,441	8,394,575
	172967HM6	CITIGROUP INC NOTES FIXED 2.55% 08/APR/2	3,490,000	3,521,777	3,518,409
	172967KB6	CITIGROUP INC NOTES FIXED 2.65% 26/OCT/2	12,000,000	12,059,320	12,008,400
	172967GT2	CITIGROUP INC NOTES FIXED 3.5% 15/MAY/20	3,400,000	3,327,762	3,389,018
	172967GK1	CITIGROUP INC NOTES FIXED 4.05% 30/JUL/2	2,301,000	2,359,699	2,381,489
	172967KU4	CITIGROUP INC NOTES FIXED 4.125% 25/JUL/	21,594,000	21,715,071	21,330,985
	172967JC6	CITIGROUP INC NOTES FIXED 4.3% 20/NOV/20	7,440,000	7,654,513	7,507,927
	172967KA8	CITIGROUP INC NOTES FIXED 4.45% 29/SEP/2	43,215,000	43,750,808	43,899,958
	172967KJ9	CITIGROUP INC NOTES FIXED 4.6% 09/MAR/20	7,350,000	7,374,747	7,596,813
	172967JU6	CITIGROUP INC NOTES FIXED 4.65% 30/JUL/2	13,726,000	13,947,569	14,467,890
	172967KR1	CITIGROUP INC NOTES FIXED 4.75% 18/MAY/2	16,231,000	16,374,972	16,249,666
	172967HB0	CITIGROUP INC NOTES FIXED 5.5% 13/SEP/20	19,165,000	19,876,041	21,062,527
	172967FX4	CITIGROUP INC NOTES FIXED 5.875% 30/JAN/	6,830,000	7,899,747	8,091,979
	172967CC3	CITIGROUP INC NOTES FIXED 6% 31/OCT/2033	2,140,000	2,457,255	2,414,712
	172967DR9	CITIGROUP INC NOTES FIXED 6.125% 25/AUG/	940,000	894,847	1,090,729
	172967BL4	CITIGROUP INC NOTES FIXED 6.625% 15/JUN/	15,358,000	17,951,294	18,630,636
	172967HA2	CITIGROUP INC NOTES FIXED 6.675% 13/SEP/	2,850,000	3,536,242	3,612,404
	172967EW7	CITIGROUP INC NOTES FIXED 8.125% 15/JUL/	10,212,000	15,505,153	15,174,317
	172967KW0	CITIGROUP INC NOTES VARIABLE 02/AUG/2021	2,800,000	2,800,000	2,829,988
	172967KT7	CITIGROUP INC NOTES VARIABLE 07/JUN/2019	2,100,000	2,100,000	2,116,317
	17307GTJ7	CITIGROUP MORTGAGE LOAN TRUST 2005-3 200	116,490	114,615	114,311
	17307GE20	CITIGROUP MORTGAGE LOAN TRUST 2005-8 200	1,653,452	1,180,058	1,371,113
	17313FAA0	CITIGROUP MORTGAGE LOAN TRUST 2007-AR8 2	1,213,679	941,261	1,074,526
	17311FAD6	CITIGROUP MORTGAGE LOAN TRUST 2007-OPX1	1,516,912	747,111	1,065,399
	17307GXQ6	CITIGROUP MORTGAGE LOAN TRUST INC 2005-6	223,146	214,778	229,819
	18976GAL0	CITIMORTGAGE ALTERNATIVE LOAN TRUST SERI	1,078,278	780,501	933,576
	12566TAD9	CITIMORTGAGE ALTERNATIVE LOAN TRUST SERI	1,030,177	710,970	896,979
	6197304	CITIZEN WATCH CO LTD COMMON STOCK JPY	86,800	497,549	520,197
	17401QAE1	CITIZENS BANK NA/PROVIDENCE RI CALLABLE	2,595,000	2,592,587	2,579,067
	17401QAC5	CITIZENS BANK NA/PROVIDENCE RI CALLABLE	1,270,000	1,268,349	1,276,502
	174610AN5	CITIZENS FINANCIAL GROUP INC CALLABLE NO	2,025,000	2,023,947	1,985,796
	174610AK1	CITIZENS FINANCIAL GROUP INC CALLABLE NO	120,000	119,874	121,898
	174610105	CITIZENS FINANCIAL GROUP INC COMMON STOC	42,413	1,015,137	1,511,175
	177376100	CITRIX SYSTEMS INC COMMON STOCK USD 0.00	44,342	2,827,481	3,960,184
	6197928	CITY DEVELOPMENTS LTD COMMON STOCK SGD 0	18,042	110,122	103,404
	17858PAA9	CITY OF HOPE CALLABLE NOTES FIXED 5.623%	1,630,000	1,622,451	1,915,821
	178778106	CITYSCAPE FINANCIAL CORP COM STK USD0.00	9,677	87	0
	6189516	CJ CORP COMMON STOCK KRW 5000	10,199	716,029	1,579,080
	6199753	CJ O SHOPPING CO LTD COMMON STOCK KRW 50	364	72,559	49,094
	BW9P816	CK HUTCHISON HOLDINGS LTD COMMON STOCK H	244,606	2,833,863	2,773,178
	B628SW1	CKH FOOD & HEALTH LTD COMMON STOCK KRW 0	115,198	308,615	184,080
	180999203	CLARIONVALUE, LLC	100	329,635,052	441,860,157
	18085PMT8	CLARK CNTY NEV ARPT REV SYS-SER C-BUILD	427,000	592,874	599,973
	184496107	CLEAN HARBORS INC COMMON STOCK USD 0.01	4,171	230,437	232,116
	BYQ8KW7	CLEANAWAY WASTE MANAGEMENT LTD COMMON ST	728,100	529,484	648,477
	18451C109	CLEAR CHANNEL OUTDOOR HOLDINGS INC COMMO	3,518	40,988	17,766
	18451QAM0	CLEAR CHANNEL WORLDWIDE HOLDINGS INC CAL	2,550,000	2,477,776	2,607,375
	18551PAB5	CLECO CORPORATE HOLDINGS LLC CALLABLE NO	3,555,000	3,617,353	3,598,833
	18551PAA7	CLECO CORPORATE HOLDINGS LLC CALLABLE NO	2,960,000	3,018,629	2,915,126
	AAI9941L5	CLECO CORPORATION HOLDINGS LLC 3.47	4,000,000	4,000,000	3,860,520
	185508AG3	CLECO POWER LLC CALLABLE NOTES FIXED 6%	750,000	759,168	912,135
	184996890	CLERESTORY - OCULUS SMALL CAP REAL ESTAT	100	14,146,169	18,470,711
	18600TAA0	CLEVELAND CLINIC FOUNDATION/ THE CALLABLE	5,958,000	5,910,921	5,651,640
	186108CE4	CLEVELAND ELECTRIC ILLUMINATING CO/ THE C	3,900,000	3,818,850	4,330,248
	189054109	CLOROX CO/ THE COMMON STOCK USD 1	10,345	437,134	1,241,607
	766807	CLOSE BROTHERS GROUP PLC COMMON STOCK GB	14,485	178,493	258,632
	189464100	CLOVIS ONCOLOGY INC COMMON STOCK USD 0.0	6,100	253,712	270,962
	6097017	CLP HOLDINGS LTD COMMON STOCK HKD 0	70,596	713,537	648,764
	12572QAF2	CME GROUP INC 5.3% 15/SEP/2043	3,797,000	4,097,597	4,448,186
	12572QAG0	CME GROUP INC CALLABLE NOTES FIXED 3% 15	2,000,000	2,000,500	1,998,980
	12572Q105	CME GROUP INC COMMON STOCK USD 0.01	31,131	1,817,283	3,590,961
	12572QAE5	CME GROUP INC/IL CALLABLE NOTES FIXED 3%	1,800,000	1,730,160	1,841,130

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	CMEMXNCSF	CME MXN COLL CREDIT SUISSE	28,232,984	1,398,385	1,370,433
	125820100	CML GROUP INC COM STK USD0.10	37,050	104	4
	125896BR0	CMS ENERGY CORP CALLABLE NOTES FIXED 2.9	3,745,000	3,731,930	3,554,342
	125896BL3	CMS ENERGY CORP CALLABLE NOTES FIXED 4.7	5,017,000	5,085,011	5,245,324
	125896BN9	CMS ENERGY CORP CALLABLE NOTES FIXED 4.8	2,105,000	2,187,315	2,256,644
	125896100	CMS ENERGY CORP COMMON STOCK USD 0.01	22,097	347,115	919,677
	125896BC3	CMS ENERGY CORP NOTES FIXED 8.75% 15/JUN	516,000	616,527	595,830
	126117100	CNA FINANCIAL CORP COMMON STOCK USD 2.5	2,731	78,645	113,337
	12623EAH4	CNH INDUSTRIAL CAPITAL LLC CALLABLE NOTE	6,725,000	6,725,000	6,725,000
	BDSV2V0	CNH INDUSTRIAL NV COMMON STOCK EUR 0.01	308,209	2,022,297	2,686,815
	12626HAA9	CNOOC CURTIS FUNDING NO 1 PTY LTD NOTES	400,000	400,000	420,028
	12623JAA3	CNOOC FINANCE 2012 LTD NOTES FIXED 3.875	2,300,000	2,277,920	2,351,083
	B00G0S5	CNOOC LTD COMMON STOCK HKD 0	3,252,472	3,785,471	4,069,182
	12591DAC5	CNOOC NEXEN FINANCE 2014 ULC CALLABLE NO	200,000	205,840	204,620
	12591DAA9	CNOOC NEXEN FINANCE 2014 ULC CALLABLE NO	4,950,000	4,930,992	4,945,347
	5543986	CNP ASSURANCES COMMON STOCK EUR 1	100,144	1,651,159	1,859,033
	12623TAE8	CNP GENERAL CAPITAL LTD NOTES FIXED 3.4	500,000	499,830	497,080
	189754104	COACH INC COMMON STOCK USD 0.01	60,931	1,763,134	2,133,804
	19075CAG8	COBALT CMBS COMMERCIAL MORTGAGE TRUST 20	1,313,800	1,329,812	1,336,792
	19075CAD5	COBALT CMBS COMMERCIAL MORTGAGE TRUST 20	110,724	112,662	111,012
	19075F106	COBALT INTERNATIONAL ENERGY INC COMMON S	12,680	46,815	15,470
	19075Q862	COBANK ACB	40,650	4,069,250	4,024,350
	190760HT8	COBB-MARIETTA GA COLISEUM & EXHIBIT HALL	890,000	890,000	914,884
	B07KD36	COBHAM PLC COMMON STOCK GBP 2.5	147,289	294,822	297,930
	6123451	COCA-COLA AMATIL LTD COMMON STOCK AUD 0	301,391	2,380,425	2,208,561
	191216BV1	COCA-COLA CO/THE CALLABLE NOTES FIXED 1.	1,315,000	1,326,611	1,306,268
	191216100	COCA-COLA CO/THE COMMON STOCK USD 0.25	677,412	22,207,695	28,085,502
	BD4D942	COCA-COLA EUROPEAN PARTNERS PLC COMMON S	9,537	340,829	301,976
	191241108	COCA-COLA FEMSA SAB DE CV ADR USD 0	11,850	945,948	752,949
	191241AF5	COCA-COLA FEMSA SAB DE CV CALLABLE NOTES	781,000	838,647	841,731
	B9895B7	COCA-COLA HBC AG COMMON STOCK GBP 6.7	102,381	2,194,930	2,239,175
	6163286	COCA-COLA WEST CO LTD COMMON STOCK JPY	18,900	460,828	558,242
	6211798	COCHLEAR LTD COMMON STOCK AUD 0	2,519	239,424	223,532
	CCZ7COS	COCOA FUTURE FOODSTUFF 13/DEC/2017 CCZ7	-41	0	14,866
	CCU7COM	COCOA FUTURE FOODSTUFF 14/SEP/2017 CCU7	41	0	-14,794
*	CCH7COM	COCOA FUTURE FOODSTUFF 16/MAR/2017 CCH7	80	0	-317,578
	192108504	COEUR MINING INC COMMON STOCK USD 0.01	900	8,454	8,181
	KCK7COS	COFFEE 'C' FUTURE FOODSTUFF 18/MAY/2017	-13	0	44,545
*	KCH7COM	COFFEE 'C' FUTURE FOODSTUFF 21/MAR/2017	98	0	-991,281
	192422103	COGNEX CORP COMMON STOCK USD 0.002	6,508	296,974	414,039
	192446102	COGNIZANT TECHNOLOGY SOLUTIONS CORP COMM	48,339	331,534	2,708,434
	194014106	COLFAX CORP COMMON STOCK USD 0.001	7,883	316,595	283,236
	194162103	COLGATE-PALMOLIVE CO COMMON STOCK USD 1	116,019	4,578,988	7,592,283
	194830204	COLLINS & AIKMAN COM STK USD0.01	6,840	34	34
	19599R487	COLONY AMERICAN HOMES HOLDINGS I, L.P.	100	0	6,789,700
	195990981	COLONY CAPITAL III L P IBM	100	0	6,494,400
	89799Z068	COLONY DISTRESSED CREDIT FUND FEEDER	100	0	12,555,800
	195990940	COLONY INVESTORS IV L P IBM	100	0	326,500
	192998649	COLONY INVESTORS V/BULLSHEAD I	100	0	68,800
	192996759	COLONY INVESTORS VI - BULLSHEAD HOLDINGS	100	699,193	0
	192996726	COLONY INVESTORS VI - BULLSHEAD I	100	17,105,542	9,213,900
	19599C902	COLONY INVESTORS VI CO-INVEST - RIH	100	38,237,541	0
	19599C936	COLONY INVESTORS VII/1133 WEST LLC	100	193,657,966	48,547,800
	19624GAG5	COLONY MTG CAP SER 2014-FL 1 LTD / COLON	2,780,000	2,780,000	2,779,992
	19624GAE0	COLONY MTG CAP SER 2014-FL 1 LTD / COLON	1,978,000	1,978,000	1,977,997
	19625X102	COLONY STARWOOD HOMES	1,177,368	34,137,459	33,919,972
	192996742	COLONY VI - LVH/BULLSHEAD I	100	12,859,369	282,600
	195990015	COLONY VIII CO-INV/1133 WEST LLC	100	37,745,423	0
	195994116	COLONY VIII/1133 WEST LLC	100	148,078,342	29,510,600
	B8FMRX8	COLOPLAST A/S COMMON STOCK DKK 1	50,301	835,250	3,398,567
	19633SAB9	COLORADO BRDG ENTERPRISE REV SR SER A-BU	100,000	100,000	125,146
	196500AA0	COLORADO INTERSTATE GAS CO LLC / COLORAD	450,000	441,256	437,333
	5806225	COLRUYT SA COMMON STOCK EUR 0	17,347	921,716	860,039
	198280AH2	COLUMBIA PIPELINE GROUP INC CALLABLE NOT	5,552,000	5,870,575	6,384,633
	198280AF6	COLUMBIA PIPELINE GROUP INC CALLABLE NOT	4,110,000	4,392,772	4,317,843
	198280AB5	COLUMBIA PIPELINE GROUP INC CALLABLE NOT	1,025,000	1,024,754	1,030,012
	198287203	COLUMBIA PROPERTY TRUST INC REIT USD 0.0	69,650	1,727,636	1,504,440
	19828JAA6	COLUMBIA PROPERTY TRUST OPERATING PARTNE	800,000	798,872	796,432
	198516106	COLUMBIA SPORTSWEAR CO COMMON STOCK USD	850	32,198	49,555
	00209TAB1	COMCAST CABLE COMMUNICATIONS HOLDINGS IN	2,853,000	3,958,663	3,861,536
	20030NBK6	COMCAST CORP CALLABLE BOND FIXED 4.75% 0	4,138,000	4,185,386	4,438,129
	20030NAX9	COMCAST CORP CALLABLE BOND FIXED 6.4% 15	7,461,000	9,522,607	9,553,811
	20030NBV2	COMCAST CORP CALLABLE NOTES FIXED 1.625%	2,035,000	2,032,985	1,950,588
	20030NBW0	COMCAST CORP CALLABLE NOTES FIXED 2.35%	5,720,000	5,669,766	5,272,868
	20030NBR1	COMCAST CORP CALLABLE NOTES FIXED 2.75%	1,780,000	1,779,604	1,767,273
	20030NBD2	COMCAST CORP CALLABLE NOTES FIXED 3.125%	4,565,000	4,745,683	4,660,454
	20030NBS9	COMCAST CORP CALLABLE NOTES FIXED 3.15%	10,205,000	10,488,851	10,068,967
	20030NBT7	COMCAST CORP CALLABLE NOTES FIXED 3.2% 1	9,480,000	9,259,806	8,526,976
	20030NBN0	COMCAST CORP CALLABLE NOTES FIXED 3.375%	1,655,000	1,652,931	1,664,996
	20030NBU4	COMCAST CORP CALLABLE NOTES FIXED 3.4% 1	3,685,000	3,652,793	3,218,147
	20030NBM2	COMCAST CORP CALLABLE NOTES FIXED 4.2% 1	3,535,000	3,566,638	3,610,896
	20030NBH3	COMCAST CORP CALLABLE NOTES FIXED 4.25%	25,254,000	24,625,708	26,281,080
	20030NBP5	COMCAST CORP CALLABLE NOTES FIXED 4.4% 1	1,690,000	1,902,061	1,767,977
	20030NBG5	COMCAST CORP CALLABLE NOTES FIXED 4.5% 1	8,858,000	9,439,017	9,132,775
	20030NBQ3	COMCAST CORP CALLABLE NOTES FIXED 4.6% 1	9,800,000	10,340,067	10,273,046
	20030NBE0	COMCAST CORP CALLABLE NOTES FIXED 4.65%	19,355,000	19,990,745	20,150,878
	20030NAW1	COMCAST CORP CALLABLE NOTES FIXED 5.7% 1	840,000	970,603	886,721
	20030NBB6	COMCAST CORP CALLABLE NOTES FIXED 6.4% 0	1,000,000	1,352,249	1,301,590
	20030NAM3	COMCAST CORP CALLABLE NOTES FIXED 6.45%	15,300,000	17,644,435	19,754,595

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Personal Pension Plan
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	20030NAK7	COMCAST CORP CALLABLE NOTES FIXED 6.5% 1	11,583,000	13,840,653	14,832,958
	20030NAY7	COMCAST CORP CALLABLE NOTES FIXED 6.55%	1,480,000	1,961,779	1,930,764
	20030NAV3	COMCAST CORP CALLABLE NOTES FIXED 6.95%	36,160,000	46,034,484	49,318,986
	20030NAC5	COMCAST CORP CALLABLE NOTES FIXED 7.05%	11,153,000	12,919,652	14,972,791
	20030N101	COMCAST CORP COMMON STOCK USD 0.01	226,391	5,728,012	15,632,299
	20030NAF8	COMCAST CORP NOTES FIXED 5.65% 15/JUN/20	5,089,000	5,679,311	6,082,118
	200340107	COMERICA INC COMMON STOCK USD 5	13,878	448,314	945,231
	200340AQ0	COMERICA INC NOTES FIXED 3.8% 22/JUL/202	825,000	846,642	812,320
	6603737	COMFORTDELGRO CORP LTD COMMON STOCK SGD	94,751	165,428	161,996
	200447AF7	COMISION FEDERAL DE ELECTRICIDAD CALLABL	445,000	446,701	427,200
	200447AD2	COMISION FEDERAL DE ELECTRICIDAD CALLABL	1,280,000	1,272,666	1,272,000
	20047EAH5	COMM 2006-C8 MORTGAGE TRUST 2006-C8 AM 5	9,617	9,713	9,609
	20047RAE3	COMM 2007-C9 MORTGAGE TRUST 2007-C9 A4 V	58,394	42,153	58,866
	12622DAB0	COMM 2010-C1 MORTGAGE TRUST 2010-C1 A2 3	69,501	72,522	70,775
	12624BAB2	COMM 2012-CCRE1 MORTGAGE TRUST 2012-CR1	414,296	420,812	414,326
	12624QAP8	COMM 2012-CCRE4 MORTGAGE TRUST 2012-CR4	159,000	160,665	159,468
	12626BAB0	COMM 2013-CCRE10 MORTGAGE TRUST 2013-CR1	188,000	194,609	192,006
	12626LAD4	COMM 2013-CCRE11 MORTGAGE TRUST 2013-CR1	1,200,000	1,211,962	1,272,001
	12626LAA0	COMM 2013-CCRE11 MORTGAGE TRUST 2013-CR1	92,706	92,271	92,630
	12591KAE5	COMM 2013-CCRE12 MORTGAGE TRUST 2013-CR1	53,000	56,745	56,610
	12591KAA3	COMM 2013-CCRE12 MORTGAGE TRUST 2013-CR1	31,316	31,134	31,248
	12624XAB4	COMM 2013-CCRE6 MORTGAGE TRUST 2013-CR6	809,000	818,337	814,055
	12624XAA6	COMM 2013-CCRE6 MORTGAGE TRUST 2013-CR6	58,168	57,627	57,967
	12625KAD7	COMM 2013-CCRE8 MORTGAGE TRUST 2013-CR8	380,000	368,481	391,590
	12625UBF9	COMM 2013-CCRE9 MORTGAGE TRUST 2013-CR9	664,000	739,413	719,835
	20048EAY7	COMM 2013-LC6 MORTGAGE TRUST 2013-LC6 A4	253,000	264,366	256,008
	12592GBD4	COMM 2014-CCRE19 MORTGAGE TRUST 2014-CR1	527,000	575,932	552,149
	12592KBA1	COMM 2014-UBS5 MORTGAGE TRUST 2014-UBS5	179,000	184,368	186,264
	12592PBH5	COMM 2014-UBS6 MORTGAGE TRUST 2014-UBS6	420,000	433,443	430,225
	12592PBD4	COMM 2014-UBS6 MORTGAGE TRUST 2014-UBS6	262,000	269,854	271,268
	12592TAA3	COMM 2015-3BP MORTGAGE TRUST 2015-3BP A	8,903,000	8,846,094	8,901,377
	12593PBB7	COMM 2015-CCRE25 MORTGAGE TRUST 2015-CR2	200,000	160,229	150,720
	12593PAW2	COMM 2015-CCRE25 MORTGAGE TRUST 2015-CR2	1,377,000	1,482,821	1,436,879
	12593QBC3	COMM 2015-CCRE26 MORTGAGE TRUST 2015-CR2	5,195,000	5,359,303	5,337,897
	12593FBD5	COMM 2015-LC21 MORTGAGE TRUST 2015-LC21	795,510	825,834	825,930
	12593GAF9	COMM 2015-PC1 MORTGAGE TRUST 2015-PC1 A5	62,000	68,878	64,789
	12594MBA5	COMM 2016-COR1 MORTGAGE TRUST 2016-COR1	198,000	203,931	196,022
	200525103	COMMERCE BANCSHARES INC/MO COMMON STOCK	7,132	109,549	412,327
	20084V306	COMMERCEHUB INC COMMON STOCK USD 0.01	21,226	248,418	319,027
	20084V108	COMMERCEHUB INC COMMON STOCK USD 0.01	9,945	113,637	149,278
	12624PAF2	COMMERCIAL MORTGAGE PASS THROUGH CERTIFI	22,994,213	1,948,894	1,749,436
	12624PAE5	COMMERCIAL MORTGAGE PASS THROUGH CERTIFI	70,000	71,534	70,864
	B90LKT4	COMMERZBANK AG	46,885	338,783	358,329
	209494IB	Commodity Forward	1,185	0	-9,110
	209487IB	Commodity Forward	1,400	0	-21,473
	209486IB	Commodity Forward	200	0	2,980
	209484IB	Commodity Forward	3,100	0	-31,014
*	209470IB	Commodity Forward	15,300	0	21,471
	209461IB	Commodity Forward	15	0	6
	209457IB	Commodity Forward	2,400	0	-595
*	209456IB	Commodity Forward	4,500	0	-15,683
*	209444IB	Commodity Forward	21,600	0	26,442
	209443IB	Commodity Forward	20,400	0	-34,250
	209442IB	Commodity Forward	8,700	0	-12,073
	209441IB	Commodity Forward	8,700	0	11,404
	209387IB	Commodity Forward	900	0	-1,512
	209385IB	Commodity Forward	900	0	-1,334
	209350IB	Commodity Forward	4,800	0	3,758
	209347IB	Commodity Forward	14,100	0	21,378
	209346IB	Commodity Forward	27,900	0	-41,828
	209329IB	Commodity Forward	19,800	0	13,366
	209267IB	Commodity Forward	30,000	0	516,734
*	209193IB	Commodity Forward	5,700	0	117,464
*	209170IB	Commodity Forward	9,000	0	14,536
	209169IB	Commodity Forward	24,000	0	34,251
	209162IB	Commodity Forward	756,000	0	48,720
	209149IB	Commodity Forward	12,000	0	21,501
	209108IB	Commodity Forward	24,000	0	40,616
	209057IB	Commodity Forward	72,000	0	168,060
	209056IB	Commodity Forward	24,000	0	48,252
	209005IB	Commodity Forward	13,100	0	2,303
	209004IB	Commodity Forward	13,400	0	-971
	209001IB	Commodity Forward	10,000	0	-5,572
	209000IB	Commodity Forward	10,000	0	-22,759
	208991IB	Commodity Forward	1,800	0	-353,333
	208990IB	Commodity Forward	1,800	0	371,929
	208969IB	Commodity Forward	19,815	0	525,707
	208959IB	Commodity Forward	30,000	0	60,613
*	208932IB	Commodity Forward	132,000	0	-267,033
*	208922IB	Commodity Forward	48,000	0	86,482
	208793IB	Commodity Forward	18,900	0	45,696
	208792IB	Commodity Forward	8,700	0	22,251
	208371IB	Commodity Forward	36,000	0	-79,985
	208362IB	Commodity Forward	60,000	0	-133,309
*	208257IB	Commodity Forward	36,000	0	38,572
	208254IB	Commodity Forward	28,800	0	32,289
	208253IB	Commodity Forward	40,800	0	43,715
	208238IB	Commodity Forward	52,800	0	60,247
	209020IB	Commodity Option Index 1.00	-504,000	-27,720	-22,427

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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	209019IB	Commodity Option Index 1.00	12,000	20,160	12,281
*	209011IB	Commodity Option Index 1.00	-504,000	-30,240	-22,427
*	209010IB	Commodity Option Index 1.00	12,000	23,040	12,281
	209261IB	Commodity Option Index 1.33	-4,960,000	-16,414	0
	209531IB	Commodity TRS, Index	1,954,038	0	-34,732
	209530IB	Commodity TRS, Index	695,419	0	-14,105
	209251IB	Commodity TRS, Index	33,093,673	0	727,185
*	209196IB	Commodity TRS, Index	333,497	0	20,388
	209102IB	Commodity TRS, Index	34,670,609	0	173,668
	209097IB	Commodity TRS, Index	2,143,600	0	130,393
	209096IB	Commodity TRS, Index	2,349,505	0	224,125
	209095IB	Commodity TRS, Index	11,777,763	0	-93,370
	209094IB	Commodity TRS, Index	34,267,826	0	-179,764
*	209093IB	Commodity TRS, Index	73,048,617	0	-578,792
	209092IB	Commodity TRS, Index	34,198,496	0	-195,810
	209091IB	Commodity TRS, Index	38,314,474	0	-311,193
*	209090IB	Commodity TRS, Index	19,574,737	0	-224,421
*	209089IB	Commodity TRS, Index	26,492,911	0	-277,136
	209087IB	Commodity TRS, Index	82,934,922	0	1,857,344
*	209086IB	Commodity TRS, Index	69,195,644	0	498,711
	209085IB	Commodity TRS, Index	92,247,175	0	2,170,320
*	209084IB	Commodity TRS, Index	60,533,961	0	1,355,545
	209083IB	Commodity TRS, Index	35,959,146	0	805,155
	209082IB	Commodity TRS, Index	28,821,772	0	645,343
	209081IB	Commodity TRS, Index	12,024,173	0	86,713
	209080IB	Commodity TRS, Index	42,799,393	0	315,764
	209078IB	Commodity TRS, Index	34,790,847	0	134,928
*	207496IB	COMMODITY VARIANCE SWAP - CMVSWP	5,166,667	0	181,901
	208851IB	CommodityVarianceSwap	150,000	0	2,406
	208850IB	CommodityVarianceSwap	450,000	0	6,816
*	206851IB	COMMODITYVARIANCESWAP	2,544,910	0	145,401
*	206814IB	COMMODITYVARIANCESWAP	2,878,788	0	157,376
*	206788IB	COMMODITYVARIANCESWAP	2,272,728	0	124,244
	206775IB	COMMODITYVARIANCESWAP	952,654	0	32,212
	206286IB	COMMODITYVARIANCESWAP	286,595	0	7,381
	621503S	COMMONWEALTH BANK OF AUSTRALIA COMMON ST	101,005	5,762,459	6,027,279
	202795JJ0	COMMONWEALTH EDISON CO CALLABLE BOND FIX	1,240,000	1,273,712	1,165,302
	202795JF8	COMMONWEALTH EDISON CO CALLABLE BOND FIX	105,000	105,000	98,750
	202795JD3	COMMONWEALTH EDISON CO CALLABLE BOND FIX	5,045,000	5,149,072	5,557,219
	202795JB7	COMMONWEALTH EDISON CO CALLABLE BOND FIX	11,050,000	10,905,619	11,900,187
	202795HT0	COMMONWEALTH EDISON CO CALLABLE BOND FIX	890,000	1,165,775	1,167,947
	202795JG6	COMMONWEALTH EDISON CO CALLABLE OTHER SE	3,440,000	3,598,346	3,591,704
	20281PKG6	COMMONWEALTH FING AUTH PA REV TAXABLE-SE	6,309,000	6,215,811	6,066,987
	20337X109	COMMScope Holding CO INC COMMON STOCK US	86,100	2,773,360	3,202,920
	20341J104	COMMUNICATIONS SALES & LEASING INC REIT	193,077	5,890,546	4,906,087
	203668116	COMMUNITY HEALTH SYSTEMS INC RIGHT USD	94,774	0	426
	20451PKM7	COMPASS BANK CALLABLE NOTES FIXED 1.85%	3,135,000	3,133,464	3,127,884
	20451PKN5	COMPASS BANK CALLABLE NOTES FIXED 2.75%	536,000	534,756	533,084
	20453KAA3	COMPASS BANK CALLABLE NOTES FIXED 3.875%	1,360,000	1,346,658	1,294,230
	20449EBT2	COMPASS BANK NOTES FIXED 5.5% 01/APR/202	1,915,000	2,111,904	2,006,671
	20449EXN1	COMPASS BANK NOTES FIXED 6.4% 01/OCT/201	3,525,000	3,837,622	3,632,442
	BLNN3L4	COMPASS GROUP PLC COMMON STOCK GBP 10.62	474,647	5,789,247	8,803,328
	20451N101	COMPASS MINERALS INTERNATIONAL INC COMMO	2,675	144,538	209,586
	205199102	COMPUTER LEARNING CENTERS COMMON STOCK U	2,163	2	0
	205363104	COMPUTER SCIENCES CORP COMMON STOCK USD	41,806	1,687,360	2,484,113
	6180412	COMPUTERSHARE LTD COMMON STOCK AUD 0	137,681	1,090,839	1,242,197
	205990112	COMTECH INTL VENTURE CAPITAL LP - IBM	1,000,000	991,074	0
	205887102	CONAGRA BRANDS INC	99,414	2,748,116	3,931,824
	205887BJ0	CONAGRA FOODS INC CALLABLE NOTES FIXED 3	350,000	335,062	351,621
	205887AX0	CONAGRA FOODS INC CALLABLE NOTES FIXED 8	950,000	1,263,149	1,272,193
	205887AF9	CONAGRA FOODS INC PUTABLE NOTES FIXED 7.	638,000	759,175	771,699
	20605P101	CONCHO RESOURCES INC COMMON STOCK USD 0.	11,297	636,310	1,497,982
	BD97JW7	CONCORDIA FINANCIAL GROUP LTD COMMON STO	90,235	429,104	435,257
	207597EH4	CONNECTICUT LIGHT & POWER CO/THE CALLABL	885,000	860,043	890,478
	207597EG6	CONNECTICUT LIGHT & POWER CO/THE CALLABL	420,000	420,000	432,008
	207597EF8	CONNECTICUT LIGHT & POWER CO/THE CALLABL	275,000	256,116	269,198
	207758KM4	CONNECTICUT ST SPL TAX OBLIG REV TRANSN	120,000	137,691	137,012
	20825UAC8	CONOCO FUNDING CO CALLABLE BOND FIXED 7.	1,450,000	1,828,110	1,861,568
	20825CAP9	CONOCOPHILLIPS CALLABLE BOND FIXED 5.9%	7,965,000	8,583,903	9,372,575
	20825CAR5	CONOCOPHILLIPS CALLABLE NOTES FIXED 5.75	7,635,000	9,131,847	8,202,815
	20825CAQ7	CONOCOPHILLIPS CALLABLE NOTES FIXED 6.5%	18,660,000	22,487,005	23,621,881
	20825VAB8	CONOCOPHILLIPS CANADA FUNDING CO I CALLA	2,560,000	2,759,163	2,998,886
	20826FAL0	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 1	265,000	255,362	264,107
	20826FAA4	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 2	2,564,000	2,523,965	2,479,183
	20826FAS5	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 4	2,390,000	2,388,805	2,538,706
	20826FAQ9	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 4	585,000	608,703	645,840
	20826FAF3	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 4	11,675,000	11,200,955	11,411,612
	20826FAC0	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 4	7,285,000	6,850,212	7,246,462
	20826FAR7	CONOCOPHILLIPS CO CALLABLE NOTES FIXED 5	2,007,000	2,320,082	2,483,582
	20825C104	CONOCOPHILLIPS COMMON STOCK USD 0.01	137,838	3,999,947	6,911,197
	208251AE8	CONOCOPHILLIPS HOLDING CO CALLABLE NOTES	9,980,000	12,361,472	12,550,449
	20854P109	CONSOL ENERGY INC COMMON STOCK USD 0.01	18,122	431,304	330,364
	209111FK4	CONSOLIDATED EDISON CO OF NEW YORK INC C	2,480,000	2,461,417	2,476,602
	209111FJ7	CONSOLIDATED EDISON CO OF NEW YORK INC C	3,195,000	3,181,996	3,139,727
	209111FH1	CONSOLIDATED EDISON CO OF NEW YORK INC C	4,070,000	4,146,647	3,883,309
	209111FG3	CONSOLIDATED EDISON CO OF NEW YORK INC C	2,400,000	2,397,600	2,544,864
	209111FF5	CONSOLIDATED EDISON CO OF NEW YORK INC C	11,578,000	11,982,150	12,146,017
	209111FD0	CONSOLIDATED EDISON CO OF NEW YORK INC C	1,400,000	1,398,824	1,457,540
	209111FC2	CONSOLIDATED EDISON CO OF NEW YORK INC C	4,720,000	4,720,271	4,568,299

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	209111FA6	CONSOLIDATED EDISON CO OF NEW YORK INC C	5,905,000	6,544,463	7,150,424
	209111EZ2	CONSOLIDATED EDISON CO OF NEW YORK INC C	1,550,000	1,725,693	1,659,771
	209111EY5	CONSOLIDATED EDISON CO OF NEW YORK INC C	4,730,000	5,563,359	5,569,386
	209111EX7	CONSOLIDATED EDISON CO OF NEW YORK INC C	1,600,000	1,910,171	1,765,072
	209111EU3	CONSOLIDATED EDISON CO OF NEW YORK INC C	5,945,000	7,358,104	8,046,260
	209111ES8	CONSOLIDATED EDISON CO OF NEW YORK INC C	4,400,000	5,803,440	5,671,028
	209111EQ2	CONSOLIDATED EDISON CO OF NEW YORK INC C	6,646,000	8,349,794	7,929,143
	209111EL3	CONSOLIDATED EDISON CO OF NEW YORK INC C	1,510,000	1,544,011	1,822,525
	209115AC8	CONSOLIDATED EDISON INC CALLABLE BOND FI	3,500,000	3,497,447	3,420,655
	209115104	CONSOLIDATED EDISON INC COMMON STOCK USD	25,554	1,028,463	1,882,819
	21036PAQ1	CONSTELLATION BRANDS INC CALLABLE NOTES	5,900,000	5,888,220	5,764,536
	21036PAH1	CONSTELLATION BRANDS INC CALLABLE NOTES	2,454,000	2,797,560	2,767,719
	21036P108	CONSTELLATION BRANDS INC COMMON STOCK US	13,737	368,014	2,106,019
	210371AL4	CONSTELLATION ENERGY GROUP INC CALLABLE	900,000	1,000,071	972,963
	210371AF7	CONSTELLATION ENERGY GROUP INC CALLABLE	1,485,000	1,811,626	1,948,483
	B15C4L6	CONSTELLATION SOFTWARE INC/CANADA COMMON	2,134	984,846	970,878
	N22035104	CONSTELLIUM NV COMMON STOCK USD 0.02	3,900	22,854	23,010
	210518CX2	CONSUMERS ENERGY CO CALLABLE BOND FIXED	2,720,000	2,724,831	2,724,026
	210518CU8	CONSUMERS ENERGY CO CALLABLE BOND FIXED	410,000	408,176	403,227
	210518CR5	CONSUMERS ENERGY CO CALLABLE BOND FIXED	360,000	417,416	392,609
	6152529	CONTACT ENERGY LTD COMMON STOCK NZD 0	123,831	455,626	402,379
	4598589	CONTINENTAL AG COMMON STOCK EUR 0	13,416	2,563,301	2,599,452
	210805CQ8	CONTINENTAL AIRLINES 1999-1 CLASS A PASS	30,243	28,883	31,489
	21079NAA9	CONTINENTAL AIRLINES 2007-1 CLASS A PASS	3,923,134	3,863,721	4,335,063
	210795PZ7	CONTINENTAL AIRLINES 2012-1 CLASS A PASS	194,518	198,894	199,867
	210795QB9	CONTINENTAL AIRLINES 2012-2 CLASS A PASS	389,712	389,712	398,481
	211171103	CONTINENTAL BUILDING PRODUCTS INC COMMON	42,873	894,611	990,366
	212015AQ4	CONTINENTAL RESOURCES INC/OK CALLABLE NO	2,685,000	2,709,412	2,295,675
	212015AN1	CONTINENTAL RESOURCES INC/OK CALLABLE NO	1,075,000	1,077,505	991,688
	212015AL5	CONTINENTAL RESOURCES INC/OK CALLABLE NO	715,000	532,201	700,700
	212015101	CONTINENTAL RESOURCES INC/OK COMMON STOC	7,007	112,683	361,141
	BD3VFW7	CONVATEC GROUP PLC COMMON STOCK GBP	314,077	864,756	907,741
	212485106	CONVERGYS CORP COMMON STOCK USD 0	200	5,164	4,912
	216648402	COOPER COS INC/THE COMMON STOCK USD 0.1	3,789	224,289	662,810
	749770AQ6	COOPERATIEVE CENTRALE RAIFFEISEN-BOERENL	3,181,000	4,152,603	3,738,629
	21685WDF1	COOPERATIEVE RABOBANK UA BOND FIXED 3.95	5,520,000	5,742,252	5,678,534
	BD2YKY4	COOPERATIEVE RABOBANK UA CALLABLE BOND V	3,000,000	3,592,698	3,382,166
	B4NFR20	COOPERATIEVE RABOBANK UA CALLABLE MEDIUM	250,000	272,724	256,564
	74977RCM4	COOPERATIEVE RABOBANK UA MEDIUM TERM NOT	1,155,000	1,217,522	1,306,362
	21685WCJ4	COOPERATIEVE RABOBANK UA MEDIUM TERM NOT	1,750,000	2,021,496	2,036,790
	21684AAF3	COOPERATIEVE RABOBANK UA NOTES FIXED 3.7	26,884,000	26,637,372	26,353,041
	21684AAC0	COOPERATIEVE RABOBANK UA NOTES FIXED 4.3	4,120,000	4,291,964	4,227,656
	21684AAA4	COOPERATIEVE RABOBANK UA NOTES FIXED 4.6	1,150,000	1,209,087	1,209,904
	21684AAD8	COOPERATIEVE RABOBANK UA NOTES FIXED 5.2	5,740,000	5,901,601	6,236,395
	21684AAB2	COOPERATIEVE RABOBANK UA NOTES FIXED 5.7	4,515,000	4,578,541	5,232,163
	21688AAF9	COOPERATIEVE RABOBANK UA/NY MEDIUM TERM	3,225,000	3,228,368	3,224,484
	21688AAE2	COOPERATIEVE RABOBANK UA/NY MEDIUM TERM	2,950,000	2,946,018	2,993,159
	P31076105	COPA HOLDINGS SA COMMON STOCK USD 0	2,490	130,928	226,167
	217204106	COPART INC COMMON STOCK USD 0	9,072	260,753	502,680
*	HGN7COM	COPPER FUTURE BASE METAL 27/JUL/2017 HGN	250	0	380,778
*	HGH7COS	COPPER FUTURE BASE METAL 29/MAR/2017 HGH	-248	0	234,202
	HGH7COM	COPPER FUTURE BASE METAL 29/MAR/2017 HGH	6	0	607
	21871N101	CORECIVIC INC	9,404	193,496	230,022
	22025YAP5	CORECIVIC INC CALLABLE NOTES FIXED 4.625	840,000	729,750	827,400
	22025YAQ3	CORECIVIC INC CALLABLE NOTES FIXED 5% 15	1,580,000	1,435,347	1,576,050
	21871D103	CORELOGIC INC/UNITED STATES COMMON STOCK	73,454	2,285,931	2,705,311
	C0K7COS	CORN FUTURE CORN 12/MAY/2017 C K7 COMDTY	-62	0	22,428
	C0Z7COM	CORN FUTURE CORN 14/DEC/2017 C Z7 COMDTY	303	0	32,677
*	C0N7COM	CORN FUTURE CORN 14/JUL/2017 C N7 COMDTY	1,032	0	-1,518,916
	C0H7COM	CORN FUTURE CORN 14/MAR/2017 C H7 COMDTY	92	0	14,387
	219350AR6	CORNING INC CALLABLE NOTES FIXED 7.25% 1	970,000	1,211,386	1,145,260
	219350105	CORNING INC COMMON STOCK USD 0.5	108,351	1,839,433	2,629,679
	219868BT2	CORP ANDINA DE FOMENTO BOND FIXED 1.5% 0	1,600,000	1,598,880	1,599,584
	21987BAU2	CORP NACIONAL DEL COBRE DE CHILE BOND FI	5,895,000	5,376,238	5,784,940
	21987BAT5	CORP NACIONAL DEL COBRE DE CHILE NOTES F	6,900,000	7,669,724	7,495,815
	21987BAP3	CORP NACIONAL DEL COBRE DE CHILE NOTES F	1,138,000	1,187,325	1,160,737
	22002T108	CORPORATE OFFICE PROPERTIES TRUST REIT U	7,549	216,262	235,680
	G25343107	COSAN LTD COMMON STOCK USD 0.01	56,502	412,901	424,330
	221347AJ6	COSMOPOLITAN HOTEL TRUST 2016-COSMO 2016	938,000	938,000	943,289
	22160N109	COSTAR GROUP INC COMMON STOCK USD 0.01	2,566	415,916	483,665
	22160K105	COSTCO WHOLESALE CORP COMMON STOCK USD 0	40,093	1,799,384	6,419,290
	CTK7COM	COTTON NO.2 FUTR FIBERS 08/MAY/2017 CTK7	4	0	-1,789
	CTH7COS	COTTON NO.2 FUTR FIBERS 09/MAR/2017 CTH7	-61	0	-16,222
*	CTH7COM	COTTON NO.2 FUTR FIBERS 09/MAR/2017 CTH7	48	0	31,882
	222070203	COTY INC COMMON STOCK USD 0.01	33,729	367,458	617,578
	2.23E+106	COVANTA HOLDING CORP COMMON STOCK USD 0.	52,151	836,713	813,556
	222862AJ3	COVENTRY HEALTH CARE INC CALLABLE NOTES	3,364,000	3,782,849	3,735,756
	222862AG9	COVENTRY HEALTH CARE INC CALLABLE NOTES	2,268,000	2,538,005	2,290,362
	BH7JB61	COVER-MORE GROUP LTD COMMON STOCK AUD 0	147,872	146,401	206,653
	BYTBWY9	COVESTRO AG COMMON STOCK EUR 0	18,565	837,600	1,276,318
	224044BR7	COX COMMUNICATIONS INC CALLABLE BOND FIX	4,830,000	4,863,474	4,907,473
	224044CG0	COX COMMUNICATIONS INC CALLABLE NOTES FI	4,346,000	4,349,571	4,150,169
	224044CF2	COX COMMUNICATIONS INC CALLABLE NOTES FI	2,130,000	2,044,791	1,984,052
	224044CC9	COX COMMUNICATIONS INC CALLABLE NOTES FI	1,735,000	1,469,667	1,469,181
	224044CA3	COX COMMUNICATIONS INC CALLABLE NOTES FI	1,150,000	1,144,940	1,082,242
	224044BY2	COX COMMUNICATIONS INC CALLABLE NOTES FI	4,690,000	3,839,965	4,078,190
	224044BW6	COX COMMUNICATIONS INC CALLABLE NOTES FI	5,000,000	4,709,550	4,870,400
	224044BV8	COX COMMUNICATIONS INC CALLABLE NOTES FI	16,527,000	21,986,479	20,610,656
	224044BU0	COX COMMUNICATIONS INC CALLABLE NOTES FI	8,700,000	9,784,135	9,828,564

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	224044BT3	COX COMMUNICATIONS INC CALLABLE NOTES FI	1,445,000	1,544,355	1,561,120
	B08YDF9	CP ALL PCL FOREIGN SH. THB 1	973,800	1,458,326	1,699,571
	12626CAA0	CPG MERGER SUB LLC CALLABLE NOTES FIXED	2,805,000	2,786,863	2,889,150
	126189AA7	CPS AUTO RECEIVABLES TRUST 2015-B 2015-B	14,418	14,424	14,426
	12635JAA4	CPS AUTO RECEIVABLES TRUST 2015-C 2015-C	279,699	279,677	280,074
	12590YAA4	CPS AUTO RECEIVABLES TRUST 2016-B 2016-B	467,846	467,923	469,458
	12636AAA2	CPS AUTO RECEIVABLES TRUST 2016-C 2016-C	751,461	751,546	751,229
	12637FAA0	CPS AUTO TRUST 2016-D A 1.5% 15/JUN/2020	607,574	607,525	606,996
	67383109	CR BARD INC COMMON STOCK USD 0.25	6,733	361,720	1,512,636
	224399105	CRANE CO COMMON STOCK USD 1	5,380	230,838	388,006
	G2519Y108	CREDICORP LTD COMMON STOCK USD 5	36,203	4,564,632	5,715,006
	225310101	CREDIT ACCEPTANCE CORP COMMON STOCK USD	661	151,842	143,774
	F22797QT8	CREDIT AGRICOLE SA CALLABLE NOTES VARIAB	1,200,000	1,344,000	1,290,900
	225313AJ4	CREDIT AGRICOLE SA CALLABLE NOTES VARIAB	8,460,000	8,265,669	8,903,812
	225313AC9	CREDIT AGRICOLE SA CALLABLE NOTES VARIAB	1,000,000	1,073,700	1,075,750
	7262610	CREDIT AGRICOLE SA COMMON STOCK EUR 3	163,094	1,791,995	2,026,436
	225313AF2	CREDIT AGRICOLE SA NOTES FIXED 4.375% 17	5,765,000	5,708,140	5,653,678
	22532LAR5	CREDIT AGRICOLE SA/LONDON MEDIUM TERM NO	710,000	706,755	699,109
	225313AG0	CREDIT AGRICOLE SA/LONDON MEDIUM TERM NO	2,535,000	2,538,879	2,540,957
	2095061B	CREDIT DEFAULT SWAP - CDS	1,400,000	0	-55,555
	2095041B	CREDIT DEFAULT SWAP - CDS	500,000	0	46,157
	2094901B	CREDIT DEFAULT SWAP - CDS	1,100,000	0	8,540
	2094681B	CREDIT DEFAULT SWAP - CDS	2,700,000	0	-84,005
	2094671B	CREDIT DEFAULT SWAP - CDS	700,000	0	64,620
	2094521B	CREDIT DEFAULT SWAP - CDS	1,900,000	0	311,773
	2094511B	CREDIT DEFAULT SWAP - CDS	500,000	0	82,046
	2094501B	CREDIT DEFAULT SWAP - CDS	300,000	0	37,315
	2094221B	CREDIT DEFAULT SWAP - CDS	6,200,000	0	-157,239
	2094201B	CREDIT DEFAULT SWAP - CDS	1,000,000	0	-2,925
	2094161B	CREDIT DEFAULT SWAP - CDS	2,700,000	0	-79,273
	2094151B	CREDIT DEFAULT SWAP - CDS	50,000	0	877
	2094101B	CREDIT DEFAULT SWAP - CDS	1,100,000	0	-32,297
*	2094071B	CREDIT DEFAULT SWAP - CDS	1,600,000	0	-46,977
	2094041B	CREDIT DEFAULT SWAP - CDS	1,400,000	0	-14,343
	2094031B	CREDIT DEFAULT SWAP - CDS	300,000	0	3,261
	2094021B	CREDIT DEFAULT SWAP - CDS	225,000	0	-2,356
	2094011B	CREDIT DEFAULT SWAP - CDS	900,000	0	12,487
	2094001B	CREDIT DEFAULT SWAP - CDS	700,000	0	-1,032
	2093991B	CREDIT DEFAULT SWAP - CDS	1,350,000	0	-14,008
	2093981B	CREDIT DEFAULT SWAP - CDS	2,400,000	0	-16,838
	2093971B	CREDIT DEFAULT SWAP - CDS	2,800,000	0	38,044
	2093931B	CREDIT DEFAULT SWAP - CDS	300,000	0	37,315
	2093821B	CREDIT DEFAULT SWAP - CDS	2,750,000	0	-6,790
	2093701B	CREDIT DEFAULT SWAP - CDS	250,000	0	4,387
	2093691B	CREDIT DEFAULT SWAP - CDS	400,000	0	-6,513
	2093621B	CREDIT DEFAULT SWAP - CDS	400,000	0	9,172
	2093611B	CREDIT DEFAULT SWAP - CDS	600,000	0	-9,770
	2093601B	CREDIT DEFAULT SWAP - CDS	500,000	0	2,907
	2093571B	CREDIT DEFAULT SWAP - CDS	5,100,000	0	46,461
	2093551B	CREDIT DEFAULT SWAP - CDS	800,000	0	8,410
	2093451B	CREDIT DEFAULT SWAP - CDS	600,000	0	-17,804
	2093441B	CREDIT DEFAULT SWAP - CDS	1,800,000	0	-5,888
	2093421B	CREDIT DEFAULT SWAP - CDS	200,000	0	-7,733
	2093411B	CREDIT DEFAULT SWAP - CDS	200,000	0	3,873
	2093401B	CREDIT DEFAULT SWAP - CDS	1,700,000	0	-27,771
	2093391B	CREDIT DEFAULT SWAP - CDS	200,000	0	32,818
	2093381B	CREDIT DEFAULT SWAP - CDS	1,500,000	0	211,698
	2093371B	CREDIT DEFAULT SWAP - CDS	2,800,000	0	420,700
	2093271B	CREDIT DEFAULT SWAP - CDS	600,000	0	98,455
	2093261B	CREDIT DEFAULT SWAP - CDS	450,000	0	-1,111
	2093251B	CREDIT DEFAULT SWAP - CDS	2,700,000	0	22,815
	2093241B	CREDIT DEFAULT SWAP - CDS	1,300,000	0	-26,853
	2093231B	CREDIT DEFAULT SWAP - CDS	5,650,000	0	78,332
	2093121B	CREDIT DEFAULT SWAP - CDS	100,000	0	-5,731
	2093111B	CREDIT DEFAULT SWAP - CDS	300,000	0	-2,963
	2093071B	CREDIT DEFAULT SWAP - CDS	5,000,000	0	75,705
	2093061B	CREDIT DEFAULT SWAP - CDS	6,000,000	0	46,584
	2093041B	CREDIT DEFAULT SWAP - CDS	2,100,000	0	-38,953
	2093031B	CREDIT DEFAULT SWAP - CDS	500,000	0	-737
	2093021B	CREDIT DEFAULT SWAP - CDS	4,200,000	0	3,948
	2093011B	CREDIT DEFAULT SWAP - CDS	2,500,000	0	34,660
	2092971B	CREDIT DEFAULT SWAP - CDS	700,000	0	7,359
	2092961B	CREDIT DEFAULT SWAP - CDS	1,000,000	0	-3,271
	2092951B	CREDIT DEFAULT SWAP - CDS	500,000	0	-12,182
	2092941B	CREDIT DEFAULT SWAP - CDS	1,100,000	0	21,304
	2092901B	CREDIT DEFAULT SWAP - CDS	350,000	0	4,856
	2092891B	CREDIT DEFAULT SWAP - CDS	100,000	0	-327
	2092881B	CREDIT DEFAULT SWAP - CDS	2,000,000	0	-55,722
	2092851B	CREDIT DEFAULT SWAP - CDS	500,000	0	-80,067
	2092621B	CREDIT DEFAULT SWAP - CDS	1,000,000	0	682
	2092521B	CREDIT DEFAULT SWAP - CDS	200,000	0	-2,827
	2092401B	CREDIT DEFAULT SWAP - CDS	1,900,000	0	-18,171
	2092261B	CREDIT DEFAULT SWAP - CDS	2,100,000	0	16,304
	2092251B	CREDIT DEFAULT SWAP - CDS	200,000	0	-5,076
	2092241B	CREDIT DEFAULT SWAP - CDS	3,100,000	0	24,068
	2092201B	CREDIT DEFAULT SWAP - CDS	2,700,000	0	20,963
	2092021B	CREDIT DEFAULT SWAP - CDS	1,500,000	0	25,268
*	2091891B	CREDIT DEFAULT SWAP - CDS	6,000,000	0	-152,166
	2091871B	CREDIT DEFAULT SWAP - CDS	1,100,000	0	3,599

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	209186IB	CREDIT DEFAULT SWAP - CDS	100,000	0	-2,536
	209177IB	CREDIT DEFAULT SWAP - CDS	400,000	0	1,309
	209176IB	CREDIT DEFAULT SWAP - CDS	700,000	0	-28,985
	209175IB	CREDIT DEFAULT SWAP - CDS	300,000	0	-12,422
	209168IB	CREDIT DEFAULT SWAP - CDS	400,000	0	1,309
	209154IB	CREDIT DEFAULT SWAP - CDS	800,000	0	2,618
	209147IB	CREDIT DEFAULT SWAP - CDS	400,000	0	454
	209146IB	CREDIT DEFAULT SWAP - CDS	300,000	0	982
	209133IB	CREDIT DEFAULT SWAP - CDS	3,000,000	0	-66,285
	209012IB	CREDIT DEFAULT SWAP - CDS	2,300,000	0	-169,087
	208952IB	CREDIT DEFAULT SWAP - CDS	300,000	0	-1,019
	208944IB	CREDIT DEFAULT SWAP - CDS	400,000	0	-1,359
	208938IB	CREDIT DEFAULT SWAP - CDS	1,400,000	0	15,140
*	208916IB	CREDIT DEFAULT SWAP - CDS	4,300,000	0	-14,612
	208910IB	CREDIT DEFAULT SWAP - CDS	2,600,000	0	20,099
	208875IB	CREDIT DEFAULT SWAP - CDS	400,000	0	4,348
	208831IB	CREDIT DEFAULT SWAP - CDS	2,300,000	0	527
	208829IB	CREDIT DEFAULT SWAP - CDS	1,100,000	0	252
*	208775IB	CREDIT DEFAULT SWAP - CDS	1,900,000	0	-19,785
*	208697IB	CREDIT DEFAULT SWAP - CDS	2,550,000	0	-65,219
	208424IB	CREDIT DEFAULT SWAP - CDS	1,800,000	0	23,846
	208378IB	CREDIT DEFAULT SWAP - CDS	1,000,000	0	8,361
	208041IB	CREDIT DEFAULT SWAP - CDS	4,000,000	0	59,562
	207684IB	CREDIT DEFAULT SWAP - CDS	800,000	0	8,663
	207678IB	CREDIT DEFAULT SWAP - CDS	700,000	0	7,580
	207534IB	CREDIT DEFAULT SWAP - CDS	2,000,000	0	-103,930
	207507IB	CREDIT DEFAULT SWAP - CDS	700,000	0	-4,554
	206946IB	CREDIT DEFAULT SWAP - CDS	4,100,000	0	45,704
	206220IB	CREDIT DEFAULT SWAP - CDS	400,000	0	4,459
	206219IB	CREDIT DEFAULT SWAP - CDS	500,000	0	5,574
*	205139IB	CREDIT DEFAULT SWAP - CDS	900,000	0	7,231
	205090IB	CREDIT DEFAULT SWAP - CDS	3,000,000	0	-208,355
	204738IB	CREDIT DEFAULT SWAP - CDS	100,000	0	-5,969
	204726IB	CREDIT DEFAULT SWAP - CDS	800,000	0	-47,756
	204237IB	CREDIT DEFAULT SWAP - CDS	1,900,000	0	-24,058
	204233IB	CREDIT DEFAULT SWAP - CDS	500,000	0	-3,677
	204220IB	CREDIT DEFAULT SWAP - CDS	200,000	0	-2,532
	204214IB	CREDIT DEFAULT SWAP - CDS	2,900,000	0	-21,324
	204155IB	CREDIT DEFAULT SWAP - CDS	1,500,000	0	-74,389
	204032IB	CREDIT DEFAULT SWAP - CDS	500,000	0	-3,258
	203913IB	CREDIT DEFAULT SWAP - CDS	2,334,249	0	-41,680
	203912IB	CREDIT DEFAULT SWAP - CDS	3,179,256	0	-56,769
*	203404IB	CREDIT DEFAULT SWAP - CDS	2,800,000	0	-78,662
	203131IB	CREDIT DEFAULT SWAP - CDS	2,000,000	0	-75,045
	892896IB	CREDIT INDEX SWAP - CDI	21,760,000	0	-329,434
	891126IB	CREDIT INDEX SWAP - CDI	52,560,000	0	-3,254,382
	209491IB	CREDIT INDEX SWAP - CDI	200,000	0	3,087
	209489IB	CREDIT INDEX SWAP - CDI	1,000,000	0	15,131
	209481IB	CREDIT INDEX SWAP - CDI	3,200,000	0	198,106
	209479IB	CREDIT INDEX SWAP - CDI	3,000,000	0	185,724
	209471IB	CREDIT INDEX SWAP - CDI	300,000	0	4,539
	209469IB	CREDIT INDEX SWAP - CDI	200,000	0	3,026
	209449IB	CREDIT INDEX SWAP - CDI	2,500,000	0	174,973
	209446IB	CREDIT INDEX SWAP - CDI	1,000,000	0	15,131
	209445IB	CREDIT INDEX SWAP - CDI	200,000	0	3,087
	209406IB	CREDIT INDEX SWAP - CDI	1,900,000	0	28,749
	209405IB	CREDIT INDEX SWAP - CDI	300,000	0	4,631
	209384IB	CREDIT INDEX SWAP - CDI	600,000	0	9,262
	209383IB	CREDIT INDEX SWAP - CDI	4,400,000	0	66,576
	209368IB	CREDIT INDEX SWAP - CDI	1,100,000	0	16,980
	209367IB	CREDIT INDEX SWAP - CDI	6,900,000	0	104,404
	209356IB	CREDIT INDEX SWAP - CDI	400,000	0	24,763
	209353IB	CREDIT INDEX SWAP - CDI	200,000	0	3,087
	209352IB	CREDIT INDEX SWAP - CDI	900,000	0	13,618
	209336IB	CREDIT INDEX SWAP - CDI	300,000	0	4,631
	209335IB	CREDIT INDEX SWAP - CDI	1,700,000	0	25,723
	209334IB	CREDIT INDEX SWAP - CDI	1,800,000	0	27,236
	209333IB	CREDIT INDEX SWAP - CDI	300,000	0	4,631
	209319IB	CREDIT INDEX SWAP - CDI	500,000	0	7,718
	209318IB	CREDIT INDEX SWAP - CDI	3,600,000	0	54,472
	209317IB	CREDIT INDEX SWAP - CDI	300,000	0	4,631
	209316IB	CREDIT INDEX SWAP - CDI	1,600,000	0	24,210
	209293IB	CREDIT INDEX SWAP - CDI	500,000	0	34,995
	209284IB	CREDIT INDEX SWAP - CDI	1,800,000	0	125,980
	209283IB	CREDIT INDEX SWAP - CDI	300,000	0	4,539
	209282IB	CREDIT INDEX SWAP - CDI	1,400,000	0	97,985
	209279IB	CREDIT INDEX SWAP - CDI	300,000	0	4,539
	209278IB	CREDIT INDEX SWAP - CDI	2,700,000	0	188,970
	209199IB	CREDIT INDEX SWAP - CDI	600,000	0	60,142
	209191IB	CREDIT INDEX SWAP - CDI	2,300,000	0	38,412
	209190IB	CREDIT INDEX SWAP - CDI	300,000	0	30,071
	209185IB	CREDIT INDEX SWAP - CDI	100,000	0	10,024
	209183IB	CREDIT INDEX SWAP - CDI	100,000	0	10,024
	209164IB	CREDIT INDEX SWAP - CDI	600,000	0	41,993
	209156IB	CREDIT INDEX SWAP - CDI	3,500,000	0	59,523
	209124IB	CREDIT INDEX SWAP - CDI	300,000	0	5,010
	209100IB	CREDIT INDEX SWAP - CDI	300,000	0	5,010
	209099IB	CREDIT INDEX SWAP - CDI	600,000	0	10,021
	209098IB	CREDIT INDEX SWAP - CDI	19,900,000	0	332,350

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
209065IB	CREDIT INDEX SWAP - CDI	300,000	0	5,010	
208717IB	CREDIT INDEX SWAP - CDI	1,400,000	0	-10,057	
208698IB	CREDIT INDEX SWAP - CDI	800,000	0	-5,747	
208692IB	CREDIT INDEX SWAP - CDI	800,000	0	-5,747	
208377IB	CREDIT INDEX SWAP - CDI	2,900,000	0	47,543	
208370IB	CREDIT INDEX SWAP - CDI	3,200,000	0	52,461	
208369IB	CREDIT INDEX SWAP - CDI	600,000	0	9,836	
208082IB	CREDIT INDEX SWAP - CDI	53,100,000	0	-470,808	
208067IB	CREDIT INDEX SWAP - CDI	36,200,000	0	-320,965	
6591809	CREDIT SAISON CO LTD COMMON STOCK JPY	44,729	775,772	796,520	
BCW3H43	CREDIT SUISSE AG NOTES FIXED 6.5% 08/AUG	1,300,000	1,457,375	1,380,925	
22546DAA4	CREDIT SUISSE AG NOTES FIXED 6.5% 08/AUG	3,900,000	3,968,800	4,142,775	
22541HCC4	CREDIT SUISSE AG/NEW YORK NY BOND FIXED	1,075,000	1,227,489	1,118,108	
22546QAT4	CREDIT SUISSE AG/NEW YORK NY MEDIUM TERM	5,080,000	5,077,054	5,069,942	
22546QAP2	CREDIT SUISSE AG/NEW YORK NY MEDIUM TERM	1,940,000	1,929,058	1,952,959	
22546QAN7	CREDIT SUISSE AG/NEW YORK NY MEDIUM TERM	1,650,000	1,654,406	1,654,043	
22546QAF4	CREDIT SUISSE AG/NEW YORK NY MEDIUM TERM	770,000	817,692	812,242	
22546QAV9	CREDIT SUISSE AG/NEW YORK NY NOTES FIXED	5,905,000	5,898,505	5,892,009	
22544QAE9	CREDIT SUISSE COMMERCIAL MORTGAGE TRUST	2,180,241	2,030,350	2,188,639	
22541QKX9	CREDIT SUISSE FIRST BOSTON MORTGAGE SECU	132,391	129,992	131,569	
22541QFC1	CREDIT SUISSE FIRST BOSTON MORTGAGE SECU	108,498	106,939	106,978	
22541NZ77	CREDIT SUISSE FIRST BOSTON MORTGAGE SECU	1,391,846	1,211,202	1,381,290	
22541NW96	CREDIT SUISSE FIRST BOSTON MORTGAGE SECU	165,013	170,350	168,097	
22541NU23	CREDIT SUISSE FIRST BOSTON MORTGAGE SECU	2,492,135	2,370,644	2,539,141	
22541NLG2	CREDIT SUISSE FIRST BOSTON MORTGAGE SECU	47,689	49,634	47,702	
BH579X0	CREDIT SUISSE GROUP AG CALLABLE NOTES VA	500,000	558,750	523,125	
BH55116	CREDIT SUISSE GROUP AG CALLABLE NOTES VA	515,000	534,313	538,819	
22546DAB2	CREDIT SUISSE GROUP AG CALLABLE NOTES VA	400,000	435,200	419,160	
225436AA2	CREDIT SUISSE GROUP AG CALLABLE NOTES VA	6,240,000	6,255,027	6,072,768	
7171589	CREDIT SUISSE GROUP AG COMMON STOCK CHF	128,295	1,782,534	1,844,237	
225433AT8	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	7,510,000	7,527,138	7,501,739	
225433AR2	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	7,380,000	7,467,690	7,664,720	
225433AM3	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	6,925,000	6,924,723	6,968,697	
225433AK7	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	1,575,000	1,572,039	1,570,070	
225433AH4	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	12,948,000	13,003,105	13,062,849	
225433AF8	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	11,937,000	12,035,317	12,252,972	
225433AC5	CREDIT SUISSE GROUP FUNDING GUERNSEY LTD	5,924,000	5,870,735	5,833,955	
CCFOBHUS0	CREDIT SUISSE SECURITIES (USA)LLC	250,000	250,000	250,000	
22541LAE3	CREDIT SUISSE USA INC CALLABLE NOTES FIX	1,210,000	1,726,458	1,598,821	
22546QAR8	CREDIT SUISSE/NEW YORK NY MEDIUM TERM NO	700,000	695,800	706,692	
7135251	CREDITO EMILIANO SPA COMMON STOCK EUR 1	7	43	42	
225447101	CREE INC COMMON STOCK USD 0.00125	7,939	179,864	209,510	
B67C8W8	CRESCENT POINT ENERGY CORP COMMON STOCK	90,474	1,073,035	1,231,237	
22576C101	CRESCENT POINT ENERGY CORP COMMON STOCK	71,327	923,212	969,334	
12626PAN3	CRH AMERICA INC CALLABLE NOTES FIXED 5.1	11,025,000	10,907,020	11,480,994	
12626K203	CRH PLC ADR USD	3,187	101,330	109,569	
4182249	CRH PLC COMMON STOCK EUR 0.32	45,545	1,593,331	1,583,112	
182704	CRH PLC COMMON STOCK EUR 0.32	7,731	166,432	270,345	
227046109	CROCS INC COMMON STOCK USD 0.001	100	725	686	
BWZVX76	CRODA INTERNATIONAL PLC COMMON STOCK GBP	37,967	1,647,649	1,499,369	
22822VAD3	CROWN CASTLE INTERNATIONAL CORP CALLABLE	770,000	769,784	744,937	
22822VAC5	CROWN CASTLE INTERNATIONAL CORP CALLABLE	3,778,000	3,800,132	3,708,220	
22822VAB7	CROWN CASTLE INTERNATIONAL CORP CALLABLE	1,700,000	1,694,407	1,758,803	
22822VAA9	CROWN CASTLE INTERNATIONAL CORP CALLABLE	6,110,000	6,116,680	6,200,123	
228227BE3	CROWN CASTLE INTERNATIONAL CORP CALLABLE	2,000,000	2,174,040	2,129,600	
228227BD5	CROWN CASTLE INTERNATIONAL CORP CALLABLE	1,253,000	1,431,177	1,348,541	
22822V101	CROWN CASTLE INTERNATIONAL CORP REIT USD	28,696	650,416	2,489,952	
22822RBD1	CROWN CASTLE TOWERS LLC CALLABLE NOTES F	3,980,000	3,991,219	3,990,786	
22822RAR1	CROWN CASTLE TOWERS LLC CALLABLE NOTES F	11,783,000	12,916,111	12,766,420	
G2R999425	CROWN EUROPE SMALL BUYOUTS III PLC	100	15,134,390	16,169,898	
G2689N908	CROWN EUROPEAN BUYOUT OPP III/1133 CHESTE	100	11,480,596	21,812,458	
228368106	CROWN HOLDINGS INC COMMON STOCK USD 5	54,020	2,420,554	2,839,831	
B29LCJ0	CROWN RESORTS LTD COMMON STOCK AUD 0	123,294	1,169,326	1,033,830	
89799W255	CS STRATEGIC PARTNERS IV LP	100	0	32,445,432	
B3R992597	CS STRATEGIC PARTNERS V, LP	100	-1,657,802	21,348,103	
12635RAX6	CSAIL 2015-C4 COMMERCIAL MORTGAGE TRUST	186,000	198,301	193,680	
12635RAW8	CSAIL 2015-C4 COMMERCIAL MORTGAGE TRUST	5,000,000	5,049,980	5,116,503	
12636LAZ3	CSAIL 2016-C5 COMMERCIAL MORTGAGE TRUST	99,000	101,970	101,997	
12637UAW9	CSAIL 2016-C7 COMMERCIAL MORTGAGE TRUST	1,868,000	1,913,793	1,873,101	
126307AQ0	CSC HOLDINGS LLC CALLABLE NOTES FIXED 5.	230,000	230,000	232,875	
B05DZD1	CSC STEEL HOLDINGS BHD COMMON STOCK MYR	183,500	89,914	87,946	
89699H846	CSFB STRATEGIC PARTNERS IV REAL ESTATE	100	12,345,311	10,313,951	
6185495	CSL LTD COMMON STOCK AUD 0	19,970	1,549,785	1,451,956	
12649AAC3	CSMC 2014-USA OA LLC 2014-USA A2 3.953%	968,000	1,033,958	987,816	
22942MAC0	CSMC MORTGAGE-BACKED TRUST 2006-8 2006-8	77,019	51,157	73,102	
12594PAV3	CSMC TRUST 2016-NXSR 2016-NXSR A4 VARIAB	202,000	208,058	207,719	
6191997	CSPC PHARMACEUTICAL GROUP LTD COMMON STO	510,000	539,947	544,665	
12650T104	CSRA INC COMMON STOCK USD 0.001	60,492	1,456,106	1,926,065	
12646R105	CST BRANDS INC COMMON STOCK USD 0.01	7,192	123,478	346,295	
12641LBU6	CSX CORP CALLABLE MEDIUM TERM NOTE FIXED	2,000,000	2,300,340	2,486,040	
126408HE6	CSX CORP CALLABLE NOTES FIXED 2.6% 01/NO	8,235,000	8,201,731	7,708,948	
126408HB2	CSX CORP CALLABLE NOTES FIXED 3.4% 01/AU	7,265,000	7,396,497	7,400,274	
126408HF3	CSX CORP CALLABLE NOTES FIXED 3.8% 01/NO	13,419,000	12,859,291	12,440,487	
126408HC0	CSX CORP CALLABLE NOTES FIXED 3.95% 01/M	1,590,000	1,575,658	1,429,887	
126408GY3	CSX CORP CALLABLE NOTES FIXED 4.1% 15/MA	1,550,000	1,544,343	1,502,353	
126408HG1	CSX CORP CALLABLE NOTES FIXED 4.25% 01/N	3,295,000	3,177,140	3,006,951	
126408GX5	CSX CORP CALLABLE NOTES FIXED 4.4% 01/MA	1,075,000	1,051,339	1,084,664	
126408HA4	CSX CORP CALLABLE NOTES FIXED 4.5% 01/AU	2,090,000	2,083,513	2,048,200	
126408GW7	CSX CORP CALLABLE NOTES FIXED 4.75% 30/M	4,140,000	4,223,127	4,309,367	

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at December 31, 2016

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	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	126408GU1	CSX CORP CALLABLE NOTES FIXED 5.5% 15/AP	3,815,000	4,174,755	4,379,429
	126408GK3	CSX CORP CALLABLE NOTES FIXED 6.15% 01/M	9,335,000	11,483,856	11,467,674
	126408GS6	CSX CORP CALLABLE NOTES FIXED 6.22% 30/A	4,056,000	4,971,799	5,055,317
	126408103	CSX CORP COMMON STOCK USD 1	83,410	791,937	2,996,921
	126410LK3	CSX TRANSPORTATION INC NOTES FIXED 9.75%	3,108,000	3,541,990	3,826,321
	22943F100	CTRIIP.COM INTERNATIONAL LTD ADR USD 0.01	40,166	1,970,281	1,606,640
	126501105	CTS CORP COMMON STOCK USD 0	8,370	134,126	187,488
	5881857	CTS EVENTIM AG & CO KGAA COMMON STOCK EU	22,006	632,630	695,164
	22966RAD8	CUBESMART LP CALLABLE BOND FIXED 3.125%	100,000	99,504	94,244
	229663109	CUBESMART REIT USD 0.01	14,211	420,295	380,428
	229899109	CULLEN/FROST BANKERS INC COMMON STOCK US	4,255	169,202	375,419
	231021106	CUMMINS INC COMMON STOCK USD 2.5	17,539	875,785	2,397,055
	231266GC5	CURATORS UNIV MO SYS FACS REV SER A-BUIL	1,185,000	1,367,146	1,535,203
	CCTUSD	CURRENCY CONTRACT			1,880,364
	CCTUSD	CURRENCY CONTRACT			937,900
	CCTUSD	CURRENCY CONTRACT			858,570
	CCTUSD	CURRENCY CONTRACT			689,408
	CCTUSD	CURRENCY CONTRACT			689,227
	CCTUSD	CURRENCY CONTRACT			679,096
	CCTUSD	CURRENCY CONTRACT			667,248
	CCTUSD	CURRENCY CONTRACT			613,193
	CCTUSD	CURRENCY CONTRACT			558,104
	CCTUSD	CURRENCY CONTRACT			557,752
	CCTUSD	CURRENCY CONTRACT			555,565
	CCTUSD	CURRENCY CONTRACT			539,343
	CCTUSD	CURRENCY CONTRACT			509,685
	CCTUSD	CURRENCY CONTRACT			437,601
	CCTUSD	CURRENCY CONTRACT			427,627
	CCTUSD	CURRENCY CONTRACT			426,576
	CCTUSD	CURRENCY CONTRACT			417,586
	CCTUSD	CURRENCY CONTRACT			381,449
	CCTUSD	CURRENCY CONTRACT			376,812
	CCTUSD	CURRENCY CONTRACT			359,432
	CCTUSD	CURRENCY CONTRACT			348,012
	CCTUSD	CURRENCY CONTRACT			346,507
	CCTUSD	CURRENCY CONTRACT			341,056
	CCTUSD	CURRENCY CONTRACT			337,947
	CCTUSD	CURRENCY CONTRACT			331,196
	CCTUSD	CURRENCY CONTRACT			327,901
	CCTUSD	CURRENCY CONTRACT			327,120
	CCTUSD	CURRENCY CONTRACT			318,137
	CCTUSD	CURRENCY CONTRACT			290,984
	CCTUSD	CURRENCY CONTRACT			289,117
	CCTUSD	CURRENCY CONTRACT			287,721
	CCTUSD	CURRENCY CONTRACT			281,864
	CCTUSD	CURRENCY CONTRACT			276,262
	CCTUSD	CURRENCY CONTRACT			267,106
	CCTUSD	CURRENCY CONTRACT			259,694
	CCTUSD	CURRENCY CONTRACT			255,314
	CCTUSD	CURRENCY CONTRACT			243,572
	CCTUSD	CURRENCY CONTRACT			240,292
	CCTUSD	CURRENCY CONTRACT			240,124
	CCTUSD	CURRENCY CONTRACT			239,871
	CCTUSD	CURRENCY CONTRACT			239,477
	CCTUSD	CURRENCY CONTRACT			238,848
	CCTUSD	CURRENCY CONTRACT			237,425
	CCTUSD	CURRENCY CONTRACT			234,125
	CCTUSD	CURRENCY CONTRACT			225,415
	CCTUSD	CURRENCY CONTRACT			224,409
	CCTUSD	CURRENCY CONTRACT			222,793
	CCTUSD	CURRENCY CONTRACT			221,613
	CCTUSD	CURRENCY CONTRACT			215,342
	CCTUSD	CURRENCY CONTRACT			209,465
	CCTUSD	CURRENCY CONTRACT			209,205
	CCTUSD	CURRENCY CONTRACT			208,531
	CCTUSD	CURRENCY CONTRACT			208,356
	CCTUSD	CURRENCY CONTRACT			206,530
	CCTUSD	CURRENCY CONTRACT			198,993
	CCTUSD	CURRENCY CONTRACT			198,923
	CCTUSD	CURRENCY CONTRACT			195,134
	CCTUSD	CURRENCY CONTRACT			192,138
	CCTUSD	CURRENCY CONTRACT			190,544
	CCTUSD	CURRENCY CONTRACT			189,348
	CCTUSD	CURRENCY CONTRACT			188,994
	CCTUSD	CURRENCY CONTRACT			185,550
	CCTUSD	CURRENCY CONTRACT			184,686
	CCTUSD	CURRENCY CONTRACT			182,468
	CCTUSD	CURRENCY CONTRACT			182,072
	CCTUSD	CURRENCY CONTRACT			181,957
	CCTUSD	CURRENCY CONTRACT			181,659
	CCTUSD	CURRENCY CONTRACT			174,334
	CCTUSD	CURRENCY CONTRACT			173,269
	CCTUSD	CURRENCY CONTRACT			169,054
	CCTUSD	CURRENCY CONTRACT			168,464
	CCTUSD	CURRENCY CONTRACT			166,564
	CCTUSD	CURRENCY CONTRACT			160,485
	CCTUSD	CURRENCY CONTRACT			157,675
	CCTUSD	CURRENCY CONTRACT			156,645
	CCTUSD	CURRENCY CONTRACT			155,295

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at December 31, 2016

(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
CCTUSD	CURRENCY CONTRACT			151,010
CCTUSD	CURRENCY CONTRACT			150,338
CCTUSD	CURRENCY CONTRACT			142,488
CCTUSD	CURRENCY CONTRACT			139,257
CCTUSD	CURRENCY CONTRACT			135,859
CCTUSD	CURRENCY CONTRACT			134,017
CCTUSD	CURRENCY CONTRACT			132,903
CCTUSD	CURRENCY CONTRACT			131,531
CCTUSD	CURRENCY CONTRACT			131,054
CCTUSD	CURRENCY CONTRACT			130,260
CCTUSD	CURRENCY CONTRACT			128,603
CCTUSD	CURRENCY CONTRACT			128,570
CCTUSD	CURRENCY CONTRACT			125,777
CCTUSD	CURRENCY CONTRACT			125,273
CCTUSD	CURRENCY CONTRACT			121,728
CCTUSD	CURRENCY CONTRACT			120,676
CCTUSD	CURRENCY CONTRACT			120,179
CCTUSD	CURRENCY CONTRACT			118,039
CCTUSD	CURRENCY CONTRACT			117,815
CCTUSD	CURRENCY CONTRACT			117,479
CCTUSD	CURRENCY CONTRACT			116,218
CCTUSD	CURRENCY CONTRACT			113,787
CCTUSD	CURRENCY CONTRACT			113,084
CCTUSD	CURRENCY CONTRACT			112,120
CCTUSD	CURRENCY CONTRACT			111,970
CCTUSD	CURRENCY CONTRACT			110,824
CCTUSD	CURRENCY CONTRACT			107,903
CCTUSD	CURRENCY CONTRACT			107,873
CCTUSD	CURRENCY CONTRACT			106,698
CCTUSD	CURRENCY CONTRACT			105,966
CCTUSD	CURRENCY CONTRACT			105,677
CCTUSD	CURRENCY CONTRACT			105,377
CCTUSD	CURRENCY CONTRACT			103,939
CCTUSD	CURRENCY CONTRACT			102,402
CCTUSD	CURRENCY CONTRACT			99,369
CCTUSD	CURRENCY CONTRACT			95,295
CCTUSD	CURRENCY CONTRACT			95,247
CCTUSD	CURRENCY CONTRACT			94,585
CCTUSD	CURRENCY CONTRACT			91,824
CCTUSD	CURRENCY CONTRACT			91,681
CCTUSD	CURRENCY CONTRACT			89,915
CCTUSD	CURRENCY CONTRACT			89,526
CCTUSD	CURRENCY CONTRACT			89,209
CCTUSD	CURRENCY CONTRACT			88,787
CCTUSD	CURRENCY CONTRACT			88,779
CCTUSD	CURRENCY CONTRACT			87,334
CCTUSD	CURRENCY CONTRACT			87,203
CCTUSD	CURRENCY CONTRACT			86,607
CCTUSD	CURRENCY CONTRACT			86,049
CCTUSD	CURRENCY CONTRACT			83,803
CCTUSD	CURRENCY CONTRACT			83,705
CCTUSD	CURRENCY CONTRACT			81,230
CCTUSD	CURRENCY CONTRACT			80,244
CCTUSD	CURRENCY CONTRACT			78,944
CCTUSD	CURRENCY CONTRACT			78,926
CCTUSD	CURRENCY CONTRACT			78,206
CCTUSD	CURRENCY CONTRACT			76,472
CCTUSD	CURRENCY CONTRACT			75,272
CCTUSD	CURRENCY CONTRACT			73,979
CCTUSD	CURRENCY CONTRACT			73,246
CCTUSD	CURRENCY CONTRACT			73,230
CCTUSD	CURRENCY CONTRACT			70,664
CCTUSD	CURRENCY CONTRACT			70,177
CCTUSD	CURRENCY CONTRACT			69,466
CCTUSD	CURRENCY CONTRACT			69,362
CCTUSD	CURRENCY CONTRACT			68,523
CCTUSD	CURRENCY CONTRACT			67,961
CCTUSD	CURRENCY CONTRACT			67,607
CCTUSD	CURRENCY CONTRACT			66,710
CCTUSD	CURRENCY CONTRACT			65,726
CCTUSD	CURRENCY CONTRACT			63,929
CCTUSD	CURRENCY CONTRACT			63,662
CCTUSD	CURRENCY CONTRACT			60,765
CCTUSD	CURRENCY CONTRACT			58,860
CCTUSD	CURRENCY CONTRACT			58,551
CCTUSD	CURRENCY CONTRACT			58,152
CCTUSD	CURRENCY CONTRACT			56,119
CCTUSD	CURRENCY CONTRACT			55,274
CCTUSD	CURRENCY CONTRACT			55,270
CCTUSD	CURRENCY CONTRACT			54,553
CCTUSD	CURRENCY CONTRACT			54,202
CCTUSD	CURRENCY CONTRACT			54,070
CCTUSD	CURRENCY CONTRACT			53,614
CCTUSD	CURRENCY CONTRACT			53,476
CCTUSD	CURRENCY CONTRACT			53,216
CCTUSD	CURRENCY CONTRACT			51,068
CCTUSD	CURRENCY CONTRACT			51,023
CCTUSD	CURRENCY CONTRACT			50,839
CCTUSD	CURRENCY CONTRACT			49,186

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at December 31, 2016

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party			
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost
	CCTUSD	CURRENCY CONTRACT		48,889
	CCTUSD	CURRENCY CONTRACT		46,827
	CCTUSD	CURRENCY CONTRACT		46,311
	CCTUSD	CURRENCY CONTRACT		45,819
	CCTUSD	CURRENCY CONTRACT		45,368
	CCTUSD	CURRENCY CONTRACT		44,397
	CCTUSD	CURRENCY CONTRACT		44,294
	CCTUSD	CURRENCY CONTRACT		43,972
	CCTUSD	CURRENCY CONTRACT		43,871
	CCTUSD	CURRENCY CONTRACT		43,290
	CCTUSD	CURRENCY CONTRACT		43,153
	CCTUSD	CURRENCY CONTRACT		43,151
	CCTUSD	CURRENCY CONTRACT		42,131
	CCTUSD	CURRENCY CONTRACT		40,405
	CCTUSD	CURRENCY CONTRACT		40,242
	CCTUSD	CURRENCY CONTRACT		39,995
	CCTUSD	CURRENCY CONTRACT		38,695
	CCTUSD	CURRENCY CONTRACT		36,655
	CCTUSD	CURRENCY CONTRACT		36,315
	CCTUSD	CURRENCY CONTRACT		36,246
	CCTUSD	CURRENCY CONTRACT		35,903
	CCTUSD	CURRENCY CONTRACT		34,241
	CCTUSD	CURRENCY CONTRACT		33,921
	CCTUSD	CURRENCY CONTRACT		33,431
	CCTUSD	CURRENCY CONTRACT		33,291
	CCTUSD	CURRENCY CONTRACT		32,934
	CCTUSD	CURRENCY CONTRACT		32,894
	CCTUSD	CURRENCY CONTRACT		32,708
	CCTUSD	CURRENCY CONTRACT		32,308
	CCTUSD	CURRENCY CONTRACT		32,193
	CCTUSD	CURRENCY CONTRACT		31,898
	CCTUSD	CURRENCY CONTRACT		31,589
	CCTUSD	CURRENCY CONTRACT		31,093
	CCTUSD	CURRENCY CONTRACT		30,879
	CCTUSD	CURRENCY CONTRACT		30,703
	CCTUSD	CURRENCY CONTRACT		30,312
	CCTUSD	CURRENCY CONTRACT		30,311
	CCTUSD	CURRENCY CONTRACT		30,084
	CCTUSD	CURRENCY CONTRACT		30,072
	CCTUSD	CURRENCY CONTRACT		28,619
	CCTUSD	CURRENCY CONTRACT		28,590
*	CCTUSD	CURRENCY CONTRACT		28,538
	CCTUSD	CURRENCY CONTRACT		27,698
	CCTUSD	CURRENCY CONTRACT		27,655
	CCTUSD	CURRENCY CONTRACT		27,535
	CCTUSD	CURRENCY CONTRACT		26,518
	CCTUSD	CURRENCY CONTRACT		26,516
	CCTUSD	CURRENCY CONTRACT		25,806
	CCTUSD	CURRENCY CONTRACT		25,780
	CCTUSD	CURRENCY CONTRACT		25,510
	CCTUSD	CURRENCY CONTRACT		25,065
	CCTUSD	CURRENCY CONTRACT		24,782
	CCTUSD	CURRENCY CONTRACT		23,421
	CCTUSD	CURRENCY CONTRACT		22,692
	CCTUSD	CURRENCY CONTRACT		22,489
	CCTUSD	CURRENCY CONTRACT		21,695
	CCTUSD	CURRENCY CONTRACT		20,792
	CCTUSD	CURRENCY CONTRACT		20,645
	CCTUSD	CURRENCY CONTRACT		18,716
	CCTUSD	CURRENCY CONTRACT		18,710
	CCTUSD	CURRENCY CONTRACT		17,405
	CCTUSD	CURRENCY CONTRACT		17,187
	CCTUSD	CURRENCY CONTRACT		17,143
	CCTUSD	CURRENCY CONTRACT		16,917
	CCTUSD	CURRENCY CONTRACT		16,721
	CCTUSD	CURRENCY CONTRACT		16,539
	CCTUSD	CURRENCY CONTRACT		16,354
	CCTUSD	CURRENCY CONTRACT		15,987
	CCTUSD	CURRENCY CONTRACT		15,256
	CCTUSD	CURRENCY CONTRACT		14,070
	CCTUSD	CURRENCY CONTRACT		14,020
	CCTUSD	CURRENCY CONTRACT		13,825
	CCTUSD	CURRENCY CONTRACT		13,627
	CCTUSD	CURRENCY CONTRACT		11,565
	CCTUSD	CURRENCY CONTRACT		11,026
	CCTUSD	CURRENCY CONTRACT		10,669
	CCTUSD	CURRENCY CONTRACT		10,654
	CCTUSD	CURRENCY CONTRACT		9,495
	CCTUSD	CURRENCY CONTRACT		9,034
	CCTUSD	CURRENCY CONTRACT		8,874
	CCTUSD	CURRENCY CONTRACT		8,453
	CCTUSD	CURRENCY CONTRACT		8,355
	CCTUSD	CURRENCY CONTRACT		8,187
	CCTUSD	CURRENCY CONTRACT		5,039
	CCTUSD	CURRENCY CONTRACT		4,994
	CCTUSD	CURRENCY CONTRACT		4,811
	CCTUSD	CURRENCY CONTRACT		4,490
	CCTUSD	CURRENCY CONTRACT		4,408
	CCTUSD	CURRENCY CONTRACT		4,313

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Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party			
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost
	CCTUSD	CURRENCY CONTRACT		4,183
	CCTUSD	CURRENCY CONTRACT		4,013
	CCTUSD	CURRENCY CONTRACT		4,000
	CCTUSD	CURRENCY CONTRACT		3,941
	CCTUSD	CURRENCY CONTRACT		3,909
	CCTUSD	CURRENCY CONTRACT		3,891
	CCTUSD	CURRENCY CONTRACT		3,872
	CCTUSD	CURRENCY CONTRACT		3,774
	CCTUSD	CURRENCY CONTRACT		2,732
	CCTUSD	CURRENCY CONTRACT		1,646
	CCTUSD	CURRENCY CONTRACT		1,426
	CCTUSD	CURRENCY CONTRACT		1,029
	CCTUSD	CURRENCY CONTRACT		124
	CCTUSD	CURRENCY CONTRACT		-132
	CCTUSD	CURRENCY CONTRACT		-302
	CCTUSD	CURRENCY CONTRACT		-305
	CCTUSD	CURRENCY CONTRACT		-380
	CCTUSD	CURRENCY CONTRACT		-653
	CCTUSD	CURRENCY CONTRACT		-676
	CCTUSD	CURRENCY CONTRACT		-837
	CCTUSD	CURRENCY CONTRACT		-1,030
	CCTUSD	CURRENCY CONTRACT		-1,120
	CCTUSD	CURRENCY CONTRACT		-1,261
	CCTUSD	CURRENCY CONTRACT		-1,375
	CCTUSD	CURRENCY CONTRACT		-1,510
*	CCTUSD	CURRENCY CONTRACT		-1,594
*	CCTUSD	CURRENCY CONTRACT		-1,735
	CCTUSD	CURRENCY CONTRACT		-2,077
	CCTUSD	CURRENCY CONTRACT		-2,260
	CCTUSD	CURRENCY CONTRACT		-2,408
	CCTUSD	CURRENCY CONTRACT		-2,570
	CCTUSD	CURRENCY CONTRACT		-2,645
	CCTUSD	CURRENCY CONTRACT		-2,723
	CCTUSD	CURRENCY CONTRACT		-2,751
	CCTUSD	CURRENCY CONTRACT		-2,792
	CCTUSD	CURRENCY CONTRACT		-3,472
	CCTUSD	CURRENCY CONTRACT		-3,522
	CCTUSD	CURRENCY CONTRACT		-3,889
	CCTUSD	CURRENCY CONTRACT		-5,564
	CCTUSD	CURRENCY CONTRACT		-6,670
	CCTUSD	CURRENCY CONTRACT		-6,927
	CCTUSD	CURRENCY CONTRACT		-7,546
	CCTUSD	CURRENCY CONTRACT		-7,634
	CCTUSD	CURRENCY CONTRACT		-8,124
	CCTUSD	CURRENCY CONTRACT		-8,145
	CCTUSD	CURRENCY CONTRACT		-8,517
	CCTUSD	CURRENCY CONTRACT		-9,175
	CCTUSD	CURRENCY CONTRACT		-9,482
	CCTUSD	CURRENCY CONTRACT		-9,524
	CCTUSD	CURRENCY CONTRACT		-9,751
	CCTUSD	CURRENCY CONTRACT		-9,772
	CCTUSD	CURRENCY CONTRACT		-11,535
	CCTUSD	CURRENCY CONTRACT		-12,404
	CCTUSD	CURRENCY CONTRACT		-12,516
	CCTUSD	CURRENCY CONTRACT		-14,749
	CCTUSD	CURRENCY CONTRACT		-14,776
	CCTUSD	CURRENCY CONTRACT		-15,181
	CCTUSD	CURRENCY CONTRACT		-16,722
	CCTUSD	CURRENCY CONTRACT		-16,798
	CCTUSD	CURRENCY CONTRACT		-17,998
	CCTUSD	CURRENCY CONTRACT		-18,007
	CCTUSD	CURRENCY CONTRACT		-18,355
	CCTUSD	CURRENCY CONTRACT		-18,430
	CCTUSD	CURRENCY CONTRACT		-18,722
	CCTUSD	CURRENCY CONTRACT		-19,136
	CCTUSD	CURRENCY CONTRACT		-19,193
	CCTUSD	CURRENCY CONTRACT		-20,583
	CCTUSD	CURRENCY CONTRACT		-21,836
	CCTUSD	CURRENCY CONTRACT		-23,789
	CCTUSD	CURRENCY CONTRACT		-24,669
	CCTUSD	CURRENCY CONTRACT		-24,729
	CCTUSD	CURRENCY CONTRACT		-25,672
	CCTUSD	CURRENCY CONTRACT		-25,735
	CCTUSD	CURRENCY CONTRACT		-26,006
	CCTUSD	CURRENCY CONTRACT		-26,994
	CCTUSD	CURRENCY CONTRACT		-27,904
	CCTUSD	CURRENCY CONTRACT		-28,225
	CCTUSD	CURRENCY CONTRACT		-32,963
	CCTUSD	CURRENCY CONTRACT		-32,985
	CCTUSD	CURRENCY CONTRACT		-34,381
	CCTUSD	CURRENCY CONTRACT		-34,881
	CCTUSD	CURRENCY CONTRACT		-37,406
	CCTUSD	CURRENCY CONTRACT		-38,232
	CCTUSD	CURRENCY CONTRACT		-39,259
	CCTUSD	CURRENCY CONTRACT		-39,662
	CCTUSD	CURRENCY CONTRACT		-40,057
	CCTUSD	CURRENCY CONTRACT		-40,419
	CCTUSD	CURRENCY CONTRACT		-40,519
	CCTUSD	CURRENCY CONTRACT		-40,772

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Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
CCTUSD	CURRENCY CONTRACT			-40,795
CCTUSD	CURRENCY CONTRACT			-47,441
CCTUSD	CURRENCY CONTRACT			-48,142
CCTUSD	CURRENCY CONTRACT			-53,031
CCTUSD	CURRENCY CONTRACT			-55,757
CCTUSD	CURRENCY CONTRACT			-63,063
CCTUSD	CURRENCY CONTRACT			-65,728
CCTUSD	CURRENCY CONTRACT			-65,794
CCTUSD	CURRENCY CONTRACT			-66,112
CCTUSD	CURRENCY CONTRACT			-68,583
CCTUSD	CURRENCY CONTRACT			-69,304
CCTUSD	CURRENCY CONTRACT			-77,911
CCTUSD	CURRENCY CONTRACT			-78,831
CCTUSD	CURRENCY CONTRACT			-97,554
CCTUSD	CURRENCY CONTRACT			-103,367
CCTUSD	CURRENCY CONTRACT			-141,039
CCTUSD	CURRENCY CONTRACT			-159,612
CCTUSD	CURRENCY CONTRACT			-173,949
CCTUSD	CURRENCY CONTRACT			-179,924
CCTUSD	CURRENCY CONTRACT			-195,792
CCTUSD	CURRENCY CONTRACT			-269,927
CCTUSD	CURRENCY CONTRACT			-554,860
CCTSGD	CURRENCY CONTRACT			-13,500
CCTSGD	CURRENCY CONTRACT			-14,313
CCTSGD	CURRENCY CONTRACT			-17,828
CCTSGD	CURRENCY CONTRACT			-17,946
CCTSGD	CURRENCY CONTRACT			-19,238
CCTSGD	CURRENCY CONTRACT			-19,568
CCTSGD	CURRENCY CONTRACT			-20,138
CCTSGD	CURRENCY CONTRACT			-20,213
CCTSGD	CURRENCY CONTRACT			-20,319
CCTSGD	CURRENCY CONTRACT			-20,589
CCTSGD	CURRENCY CONTRACT			-20,662
CCTSGD	CURRENCY CONTRACT			-20,769
CCTSGD	CURRENCY CONTRACT			-21,971
CCTSGD	CURRENCY CONTRACT			-40,353
CCTSGD	CURRENCY CONTRACT			-40,529
CCTSGD	CURRENCY CONTRACT			-56,739
CCTSGD	CURRENCY CONTRACT			-57,626
CCTSGD	CURRENCY CONTRACT			-99,228
CCTSGD	CURRENCY CONTRACT			-104,076
CCTSGD	CURRENCY CONTRACT			-166,227
CCTSGD	CURRENCY CONTRACT			-186,534
CCTSEK	CURRENCY CONTRACT			529,502
CCTSEK	CURRENCY CONTRACT			114,590
CCTSEK	CURRENCY CONTRACT			110,970
CCTSEK	CURRENCY CONTRACT			79,301
CCTSEK	CURRENCY CONTRACT			67,184
CCTSEK	CURRENCY CONTRACT			64,962
CCTSEK	CURRENCY CONTRACT			64,365
CCTSEK	CURRENCY CONTRACT			61,514
CCTSEK	CURRENCY CONTRACT			56,333
CCTSEK	CURRENCY CONTRACT			55,827
CCTSEK	CURRENCY CONTRACT			55,357
CCTSEK	CURRENCY CONTRACT			43,105
CCTSEK	CURRENCY CONTRACT			42,749
CCTSEK	CURRENCY CONTRACT			40,470
CCTSEK	CURRENCY CONTRACT			37,490
CCTSEK	CURRENCY CONTRACT			20,831
CCTSEK	CURRENCY CONTRACT			16,753
CCTSEK	CURRENCY CONTRACT			16,518
CCTSEK	CURRENCY CONTRACT			15,610
CCTSEK	CURRENCY CONTRACT			12,594
CCTSEK	CURRENCY CONTRACT			12,459
CCTSEK	CURRENCY CONTRACT			9,628
CCTSEK	CURRENCY CONTRACT			7,347
CCTSEK	CURRENCY CONTRACT			6,524
CCTSEK	CURRENCY CONTRACT			5,268
CCTSEK	CURRENCY CONTRACT			5,229
CCTSEK	CURRENCY CONTRACT			4,108
CCTSEK	CURRENCY CONTRACT			1,700
CCTSEK	CURRENCY CONTRACT			1,014
CCTSEK	CURRENCY CONTRACT			-7,726
CCTSEK	CURRENCY CONTRACT			-10,285
CCTSEK	CURRENCY CONTRACT			-11,816
CCTSEK	CURRENCY CONTRACT			-30,600
CCTSEK	CURRENCY CONTRACT			-31,636
CCTSEK	CURRENCY CONTRACT			-68,774
CCTRUB	CURRENCY CONTRACT			168,134
CCTRUB	CURRENCY CONTRACT			30,592
CCTRUB	CURRENCY CONTRACT			27,124
CCTNZD	CURRENCY CONTRACT			18,985
CCTNZD	CURRENCY CONTRACT			11,905
CCTNZD	CURRENCY CONTRACT			11,425
CCTNZD	CURRENCY CONTRACT			4,374
CCTNZD	CURRENCY CONTRACT			4,255
CCTNZD	CURRENCY CONTRACT			3,822
CCTNZD	CURRENCY CONTRACT			-1,561
CCTNZD	CURRENCY CONTRACT			-1,715

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Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID	Description of Investment	Shares/Par	Cost	Current Value
(CUSIP)				
CCTNZD	CURRENCY CONTRACT			-4,021
CCTNZD	CURRENCY CONTRACT			-4,119
CCTNZD	CURRENCY CONTRACT			-4,137
CCTNZD	CURRENCY CONTRACT			-12,947
CCTNZD	CURRENCY CONTRACT			-13,346
CCTNZD	CURRENCY CONTRACT			-13,453
CCTNZD	CURRENCY CONTRACT			-37,446
CCTNZD	CURRENCY CONTRACT			-37,452
CCTNZD	CURRENCY CONTRACT			-44,281
CCTNZD	CURRENCY CONTRACT			-44,340
CCTNZD	CURRENCY CONTRACT			-44,597
CCTNZD	CURRENCY CONTRACT			-51,006
CCTNZD	CURRENCY CONTRACT			-51,477
CCTNZD	CURRENCY CONTRACT			-52,606
CCTNZD	CURRENCY CONTRACT			-55,259
CCTNZD	CURRENCY CONTRACT			-55,837
CCTNZD	CURRENCY CONTRACT			-58,973
CCTNZD	CURRENCY CONTRACT			-59,622
CCTNZD	CURRENCY CONTRACT			-59,870
CCTNZD	CURRENCY CONTRACT			-60,536
CCTNZD	CURRENCY CONTRACT			-81,003
CCTNZD	CURRENCY CONTRACT			-99,083
CCTNZD	CURRENCY CONTRACT			-110,174
CCTNZD	CURRENCY CONTRACT			-110,802
CCTNZD	CURRENCY CONTRACT			-263,045
CCTNZD	CURRENCY CONTRACT			-507,029
CCTNZD	CURRENCY CONTRACT			-536,402
CCTNZD	CURRENCY CONTRACT			-596,641
CCTNZD	CURRENCY CONTRACT			-707,266
CCTNOK	CURRENCY CONTRACT			9,661
CCTNOK	CURRENCY CONTRACT			9,429
CCTNOK	CURRENCY CONTRACT			9,378
CCTNOK	CURRENCY CONTRACT			7,012
CCTNOK	CURRENCY CONTRACT			6,985
CCTNOK	CURRENCY CONTRACT			6,856
CCTNOK	CURRENCY CONTRACT			5,837
CCTNOK	CURRENCY CONTRACT			-4,857
CCTNOK	CURRENCY CONTRACT			-5,906
CCTNOK	CURRENCY CONTRACT			-7,454
CCTNOK	CURRENCY CONTRACT			-14,265
CCTNOK	CURRENCY CONTRACT			-15,416
CCTNOK	CURRENCY CONTRACT			-17,517
CCTNOK	CURRENCY CONTRACT			-31,417
CCTNOK	CURRENCY CONTRACT			-31,686
CCTNOK	CURRENCY CONTRACT			-37,206
CCTNOK	CURRENCY CONTRACT			-39,945
CCTNOK	CURRENCY CONTRACT			-44,284
CCTNOK	CURRENCY CONTRACT			-51,592
CCTNOK	CURRENCY CONTRACT			-55,203
CCTNOK	CURRENCY CONTRACT			-57,429
CCTNOK	CURRENCY CONTRACT			-59,605
CCTNOK	CURRENCY CONTRACT			-60,057
CCTNOK	CURRENCY CONTRACT			-62,238
CCTNOK	CURRENCY CONTRACT			-64,719
CCTNOK	CURRENCY CONTRACT			-74,103
CCTNOK	CURRENCY CONTRACT			-118,505
CCTNOK	CURRENCY CONTRACT			-153,286
CCTNOK	CURRENCY CONTRACT			-155,271
CCTNOK	CURRENCY CONTRACT			-240,219
CCTNOK	CURRENCY CONTRACT			-255,185
CCTMXN	CURRENCY CONTRACT			-32,052
CCTMXN	CURRENCY CONTRACT			-146,150
CCTMXN	CURRENCY CONTRACT			-206,768
CCTMXN	CURRENCY CONTRACT			-218,997
CCTKRW	CURRENCY CONTRACT			-294,440
CCTJPY	CURRENCY CONTRACT			153,203
CCTJPY	CURRENCY CONTRACT			149,844
CCTJPY	CURRENCY CONTRACT			77,211
CCTJPY	CURRENCY CONTRACT			54,162
CCTJPY	CURRENCY CONTRACT			53,833
CCTJPY	CURRENCY CONTRACT			53,670
CCTJPY	CURRENCY CONTRACT			52,794
CCTJPY	CURRENCY CONTRACT			23,201
CCTJPY	CURRENCY CONTRACT			20,586
CCTJPY	CURRENCY CONTRACT			20,140
CCTJPY	CURRENCY CONTRACT			17,683
CCTJPY	CURRENCY CONTRACT			-9,779
CCTJPY	CURRENCY CONTRACT			-22,634
CCTJPY	CURRENCY CONTRACT			-22,812
CCTJPY	CURRENCY CONTRACT			-22,822
CCTJPY	CURRENCY CONTRACT			-40,783
CCTJPY	CURRENCY CONTRACT			-52,148
CCTJPY	CURRENCY CONTRACT			-68,520
CCTJPY	CURRENCY CONTRACT			-68,659
CCTJPY	CURRENCY CONTRACT			-73,845
CCTJPY	CURRENCY CONTRACT			-73,931
CCTJPY	CURRENCY CONTRACT			-80,993
CCTJPY	CURRENCY CONTRACT			-110,563
CCTJPY	CURRENCY CONTRACT			-134,351

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Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID	Description of Investment	Shares/Par	Cost	Current Value
(CUSIP)				
CCTJPY	CURRENCY CONTRACT			-141,656
CCTJPY	CURRENCY CONTRACT			-143,127
CCTJPY	CURRENCY CONTRACT			-190,034
CCTJPY	CURRENCY CONTRACT			-199,947
CCTJPY	CURRENCY CONTRACT			-203,931
CCTJPY	CURRENCY CONTRACT			-210,686
CCTJPY	CURRENCY CONTRACT			-270,474
CCTJPY	CURRENCY CONTRACT			-270,531
CCTJPY	CURRENCY CONTRACT			-302,679
CCTJPY	CURRENCY CONTRACT			-343,735
CCTJPY	CURRENCY CONTRACT			-345,567
CCTJPY	CURRENCY CONTRACT			-381,571
CCTJPY	CURRENCY CONTRACT			-394,352
CCTJPY	CURRENCY CONTRACT			-510,662
CCTINR	CURRENCY CONTRACT			1,996
CCTINR	CURRENCY CONTRACT			1,878
CCTINR	CURRENCY CONTRACT			-1,600
CCTINR	CURRENCY CONTRACT			-12,803
CCTIDR	CURRENCY CONTRACT			9,203
CCTIDR	CURRENCY CONTRACT			6,347
CCTIDR	CURRENCY CONTRACT			5,479
CCTIDR	CURRENCY CONTRACT			1,402
CCTIDR	CURRENCY CONTRACT			-53,342
CCTGBP	CURRENCY CONTRACT			173,173
CCTGBP	CURRENCY CONTRACT			101,867
CCTGBP	CURRENCY CONTRACT			85,848
CCTGBP	CURRENCY CONTRACT			39,514
CCTGBP	CURRENCY CONTRACT			28,030
CCTGBP	CURRENCY CONTRACT			24,898
CCTGBP	CURRENCY CONTRACT			15,138
CCTGBP	CURRENCY CONTRACT			14,835
CCTGBP	CURRENCY CONTRACT			14,791
CCTGBP	CURRENCY CONTRACT			1,154
CCTGBP	CURRENCY CONTRACT			1,142
CCTGBP	CURRENCY CONTRACT			1,067
CCTGBP	CURRENCY CONTRACT			-2,543
CCTGBP	CURRENCY CONTRACT			-2,600
CCTGBP	CURRENCY CONTRACT			-3,109
CCTGBP	CURRENCY CONTRACT			-5,148
CCTGBP	CURRENCY CONTRACT			-5,294
CCTGBP	CURRENCY CONTRACT			-5,848
CCTGBP	CURRENCY CONTRACT			-24,018
CCTGBP	CURRENCY CONTRACT			-24,368
CCTGBP	CURRENCY CONTRACT			-25,581
CCTGBP	CURRENCY CONTRACT			-38,103
CCTGBP	CURRENCY CONTRACT			-38,296
CCTGBP	CURRENCY CONTRACT			-38,415
CCTGBP	CURRENCY CONTRACT			-57,733
CCTGBP	CURRENCY CONTRACT			-59,276
CCTGBP	CURRENCY CONTRACT			-60,278
CCTGBP	CURRENCY CONTRACT			-60,934
CCTGBP	CURRENCY CONTRACT			-64,780
CCTGBP	CURRENCY CONTRACT			-71,512
CCTGBP	CURRENCY CONTRACT			-72,434
CCTGBP	CURRENCY CONTRACT			-73,221
CCTGBP	CURRENCY CONTRACT			-73,822
CCTGBP	CURRENCY CONTRACT			-76,931
CCTGBP	CURRENCY CONTRACT			-103,631
CCTGBP	CURRENCY CONTRACT			-119,992
CCTGBP	CURRENCY CONTRACT			-137,260
CCTGBP	CURRENCY CONTRACT			-243,258
CCTEUR	CURRENCY CONTRACT			172,952
CCTEUR	CURRENCY CONTRACT			-4,842
CCTEUR	CURRENCY CONTRACT			-5,156
CCTEUR	CURRENCY CONTRACT			-5,804
CCTEUR	CURRENCY CONTRACT			-7,985
CCTEUR	CURRENCY CONTRACT			-15,102
CCTEUR	CURRENCY CONTRACT			-15,117
CCTEUR	CURRENCY CONTRACT			-15,690
CCTEUR	CURRENCY CONTRACT			-21,916
CCTEUR	CURRENCY CONTRACT			-25,930
CCTEUR	CURRENCY CONTRACT			-25,981
CCTEUR	CURRENCY CONTRACT			-32,771
CCTEUR	CURRENCY CONTRACT			-34,315
CCTEUR	CURRENCY CONTRACT			-46,697
CCTEUR	CURRENCY CONTRACT			-48,501
CCTEUR	CURRENCY CONTRACT			-53,520
CCTEUR	CURRENCY CONTRACT			-53,530
CCTEUR	CURRENCY CONTRACT			-63,928
CCTEUR	CURRENCY CONTRACT			-84,134
CCTEUR	CURRENCY CONTRACT			-84,238
CCTEUR	CURRENCY CONTRACT			-84,943
CCTEUR	CURRENCY CONTRACT			-90,878
CCTEUR	CURRENCY CONTRACT			-100,001
CCTEUR	CURRENCY CONTRACT			-100,323
CCTEUR	CURRENCY CONTRACT			-100,802
CCTEUR	CURRENCY CONTRACT			-114,444
CCTEUR	CURRENCY CONTRACT			-127,727
CCTEUR	CURRENCY CONTRACT			-136,045

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Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost
	CCTEUR	CURRENCY CONTRACT		-147,158
	CCTEUR	CURRENCY CONTRACT		-148,413
	CCTEUR	CURRENCY CONTRACT		-150,966
	CCTEUR	CURRENCY CONTRACT		-159,206
	CCTEUR	CURRENCY CONTRACT		-180,646
	CCTEUR	CURRENCY CONTRACT		-242,584
	CCTEUR	CURRENCY CONTRACT		-243,756
	CCTEUR	CURRENCY CONTRACT		-260,005
	CCTEUR	CURRENCY CONTRACT		-284,946
	CCTEUR	CURRENCY CONTRACT		-387,940
	CCTEUR	CURRENCY CONTRACT		-423,142
	CCTEUR	CURRENCY CONTRACT		-588,261
	CCTEUR	CURRENCY CONTRACT		-644,792
	CCTEUR	CURRENCY CONTRACT		-823,018
	CCTEUR	CURRENCY CONTRACT		-925,705
*	CCTDKK	CURRENCY CONTRACT		610,041
*	CCTDKK	CURRENCY CONTRACT		-619,336
	CCTCZK	CURRENCY CONTRACT		61,694
	CCTCZK	CURRENCY CONTRACT		39,564
	CCTCZK	CURRENCY CONTRACT		30,210
	CCTCZK	CURRENCY CONTRACT		-36,873
	CCTCZK	CURRENCY CONTRACT		-46,492
	CCTCZK	CURRENCY CONTRACT		-69,287
	CCTCNY	CURRENCY CONTRACT		205,817
	CCTCHF	CURRENCY CONTRACT		76,430
	CCTCHF	CURRENCY CONTRACT		42,459
	CCTCHF	CURRENCY CONTRACT		26,635
	CCTCHF	CURRENCY CONTRACT		8,997
	CCTCHF	CURRENCY CONTRACT		-13,992
	CCTCHF	CURRENCY CONTRACT		-23,147
	CCTCAD	CURRENCY CONTRACT		70,441
	CCTCAD	CURRENCY CONTRACT		46,570
	CCTCAD	CURRENCY CONTRACT		23,883
	CCTCAD	CURRENCY CONTRACT		21,541
	CCTCAD	CURRENCY CONTRACT		19,489
	CCTCAD	CURRENCY CONTRACT		18,140
	CCTCAD	CURRENCY CONTRACT		16,310
	CCTCAD	CURRENCY CONTRACT		16,223
	CCTCAD	CURRENCY CONTRACT		13,204
	CCTCAD	CURRENCY CONTRACT		12,985
	CCTCAD	CURRENCY CONTRACT		12,948
	CCTCAD	CURRENCY CONTRACT		12,449
	CCTCAD	CURRENCY CONTRACT		11,914
	CCTCAD	CURRENCY CONTRACT		11,820
	CCTCAD	CURRENCY CONTRACT		11,800
	CCTCAD	CURRENCY CONTRACT		11,542
	CCTCAD	CURRENCY CONTRACT		9,603
	CCTCAD	CURRENCY CONTRACT		9,521
	CCTCAD	CURRENCY CONTRACT		9,385
	CCTCAD	CURRENCY CONTRACT		9,232
	CCTCAD	CURRENCY CONTRACT		8,977
	CCTCAD	CURRENCY CONTRACT		8,905
	CCTCAD	CURRENCY CONTRACT		8,289
	CCTCAD	CURRENCY CONTRACT		7,265
	CCTCAD	CURRENCY CONTRACT		2,931
	CCTCAD	CURRENCY CONTRACT		-491
	CCTCAD	CURRENCY CONTRACT		-1,260
	CCTCAD	CURRENCY CONTRACT		-1,390
	CCTCAD	CURRENCY CONTRACT		-1,545
	CCTCAD	CURRENCY CONTRACT		-1,815
	CCTCAD	CURRENCY CONTRACT		-3,175
	CCTCAD	CURRENCY CONTRACT		-3,496
	CCTCAD	CURRENCY CONTRACT		-3,715
	CCTCAD	CURRENCY CONTRACT		-4,199
	CCTCAD	CURRENCY CONTRACT		-4,812
	CCTCAD	CURRENCY CONTRACT		-5,201
	CCTCAD	CURRENCY CONTRACT		-5,236
	CCTCAD	CURRENCY CONTRACT		-8,693
	CCTCAD	CURRENCY CONTRACT		-9,273
	CCTCAD	CURRENCY CONTRACT		-10,672
	CCTCAD	CURRENCY CONTRACT		-10,796
	CCTCAD	CURRENCY CONTRACT		-22,905
	CCTCAD	CURRENCY CONTRACT		-23,052
	CCTCAD	CURRENCY CONTRACT		-23,385
	CCTCAD	CURRENCY CONTRACT		-41,817
	CCTCAD	CURRENCY CONTRACT		-42,337
	CCTCAD	CURRENCY CONTRACT		-42,565
	CCTCAD	CURRENCY CONTRACT		-43,233
	CCTCAD	CURRENCY CONTRACT		-51,603
	CCTCAD	CURRENCY CONTRACT		-55,976
	CCTCAD	CURRENCY CONTRACT		-57,279
	CCTCAD	CURRENCY CONTRACT		-93,147
	CCTBRL	CURRENCY CONTRACT		648,505
	CCTBRL	CURRENCY CONTRACT		321,911
	CCTBRL	CURRENCY CONTRACT		278,821
	CCTBRL	CURRENCY CONTRACT		39,350
	CCTBRL	CURRENCY CONTRACT		6,641
	CCTAUD	CURRENCY CONTRACT		87,317
	CCTAUD	CURRENCY CONTRACT		15,886

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
CCTAUD	CURRENCY CONTRACT			11,402	
CCTAUD	CURRENCY CONTRACT			6,315	
CCTAUD	CURRENCY CONTRACT			5,357	
CCTAUD	CURRENCY CONTRACT			5,235	
CCTAUD	CURRENCY CONTRACT			2,675	
CCTAUD	CURRENCY CONTRACT			2,638	
CCTAUD	CURRENCY CONTRACT			2,625	
CCTAUD	CURRENCY CONTRACT			2,618	
CCTAUD	CURRENCY CONTRACT			2,611	
CCTAUD	CURRENCY CONTRACT			2,579	
CCTAUD	CURRENCY CONTRACT			1,884	
CCTAUD	CURRENCY CONTRACT			450	
CCTAUD	CURRENCY CONTRACT			443	
CCTAUD	CURRENCY CONTRACT			439	
CCTAUD	CURRENCY CONTRACT			406	
CCTAUD	CURRENCY CONTRACT			-317	
CCTAUD	CURRENCY CONTRACT			-606	
CCTAUD	CURRENCY CONTRACT			-608	
CCTAUD	CURRENCY CONTRACT			-22,059	
CCTAUD	CURRENCY CONTRACT			-34,588	
CCTAUD	CURRENCY CONTRACT			-34,649	
CCTAUD	CURRENCY CONTRACT			-34,803	
CCTAUD	CURRENCY CONTRACT			-36,717	
CCTAUD	CURRENCY CONTRACT			-44,996	
CCTAUD	CURRENCY CONTRACT			-47,384	
CCTAUD	CURRENCY CONTRACT			-52,642	
CCTAUD	CURRENCY CONTRACT			-68,736	
CCTAUD	CURRENCY CONTRACT			-71,917	
CCTAUD	CURRENCY CONTRACT			-73,000	
CCTAUD	CURRENCY CONTRACT			-75,649	
CCTAUD	CURRENCY CONTRACT			-76,600	
CCTAUD	CURRENCY CONTRACT			-76,876	
CCTAUD	CURRENCY CONTRACT			-81,674	
CCTAUD	CURRENCY CONTRACT			-83,737	
CCTAUD	CURRENCY CONTRACT			-84,582	
CCTAUD	CURRENCY CONTRACT			-97,264	
CCTAUD	CURRENCY CONTRACT			-99,359	
CCTAUD	CURRENCY CONTRACT			-106,087	
CCTAUD	CURRENCY CONTRACT			-142,387	
CCTAUD	CURRENCY CONTRACT			-144,974	
CCTAUD	CURRENCY CONTRACT			-146,190	
CCTAUD	CURRENCY CONTRACT			-146,211	
CCTAUD	CURRENCY CONTRACT			-146,257	
CCTAUD	CURRENCY CONTRACT			-160,098	
CCTAUD	CURRENCY CONTRACT			-161,762	
CCTAUD	CURRENCY CONTRACT			-163,135	
CCTAUD	CURRENCY CONTRACT			-168,463	
CCTAUD	CURRENCY CONTRACT			-169,549	
CCTAUD	CURRENCY CONTRACT			-180,431	
CCTAUD	CURRENCY CONTRACT			-190,479	
CCTAUD	CURRENCY CONTRACT			-203,424	
CCTAUD	CURRENCY CONTRACT			-210,853	
CCTAUD	CURRENCY CONTRACT			-212,280	
CCTAUD	CURRENCY CONTRACT			-221,004	
CCTAUD	CURRENCY CONTRACT			-462,018	
CCTAUD	CURRENCY CONTRACT			-464,531	
126650BZ2	CVS CAREMARK CORP CALLABLE NOTES FIXED 2	7,983,000	8,054,894	7,864,293	
126650100	CVS HEALTH CORP	136,116	4,548,214	10,740,914	
126650CF5	CVS HEALTH CORP CALLABLE BOND FIXED 3.37	1,835,000	1,818,081	1,840,670	
126650CT5	CVS HEALTH CORP CALLABLE NOTES FIXED 2.1	3,735,000	3,713,699	3,662,317	
126650CU2	CVS HEALTH CORP CALLABLE NOTES FIXED 2.8	2,650,000	2,627,184	2,525,901	
126650CJ7	CVS HEALTH CORP CALLABLE NOTES FIXED 2.8	1,195,000	1,195,033	1,212,459	
126650CK4	CVS HEALTH CORP CALLABLE NOTES FIXED 3.5	7,540,000	7,719,747	7,747,275	
126650CL2	CVS HEALTH CORP CALLABLE NOTES FIXED 3.8	11,278,000	11,389,196	11,634,385	
126650CC2	CVS HEALTH CORP CALLABLE NOTES FIXED 4%	2,220,000	2,210,232	2,339,103	
126650CN8	CVS HEALTH CORP CALLABLE NOTES FIXED 5.1	33,339,000	36,235,571	37,154,649	
126650CD0	CVS HEALTH CORP CALLABLE NOTES FIXED 5.3	6,915,000	7,583,547	7,835,317	
126659AA9	CVS PASS-THROUGH TRUST CALLABLE CMO FIXE	3,084,314	3,907,095	3,973,337	
12665UAA2	CVS PASS-THROUGH TRUST CALLABLE NOTES FI	6,792,371	7,417,455	7,173,578	
12665BS8	CVS PASS-THROUGH TRUST CALLABLE NOTES FI	5,731,684	6,117,741	6,979,300	
126650BP4	CVS PASS-THROUGH TRUST CALLABLE NOTES FI	921,558	923,040	1,033,159	
12665VAA0	CVS PASS-THROUGH TRUST SERIES 2014 NOTES	8,040,326	8,155,002	8,034,456	
126991942	CW VENTURES III A CO INVESTMENT FUND IBM	100	7,141,370	0	
23242YAD7	CWHEQ REVOLVING HOME EQUITY LOAN RESURIT	639,002	639,776	568,720	
BK05445	CYBERDYNE INC COMMON STOCK JPY	4,400	57,157	62,321	
232996413	CYPRESS GROVE CO-INVEST INT/1133 WEST,LL	100	50,944,435	2,184,547	
90099AL40	CYPRESS GROVE INTL/1133 WEST LLC	100	5,326,829	1,449,149	
232999912	CYPRESS II L P IBM	100	0	359,062	
232806109	CYPRESS SEMICONDUCTOR CORP COMMON STOCK	24,852	274,910	284,307	
2189855	CYRELA BRAZIL REALTY SA EMPREENDIMENTOS	45,800	197,426	144,519	
23283R100	CYRUSONE INC REIT USD 0.01	226,228	9,532,326	10,119,178	
CZK	CZECH REPUB KRONAS		11,738	11,048	
B03YXJ8	DAEWON SAN UP CO LTD COMMON STOCK KRW 50	2,831	36,307	21,564	
6250906	DAI NIPPON PRINTING CO LTD COMMON STOCK	30,472	300,920	301,755	
6250542	DAICEL CORP COMMON STOCK JPY	91,282	1,060,108	1,009,592	
6250025	DAIFUKU CO LTD COMMON STOCK JPY	19,800	362,694	423,213	
B601QS4	DAI-ICHI LIFE HOLDINGS INC COMMON STOCK	373,700	5,002,132	6,235,008	
B0J7D91	DAIICHI SANKYO CO LTD COMMON STOCK JPY	86,426	1,973,762	1,772,091	
6250724	DAIKIN INDUSTRIES LTD COMMON STOCK JPY	10,425	1,020,321	959,509	

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945736	DAILY MAIL & GENERAL TRUST PLC COMMON ST	116,282	1,649,342	1,116,423	
5529027	DAIMLER AG COMMON STOCK EUR 0	51,702	3,759,064	3,856,551	
233851CM4	DAIMLER FINANCE NORTH AMERICA LLC CALLAB	2,500,000	2,497,675	2,468,025	
233851CK8	DAIMLER FINANCE NORTH AMERICA LLC CALLAB	2,800,000	2,799,216	2,736,188	
233851BV5	DAIMLER FINANCE NORTH AMERICA LLC CALLAB	2,610,000	2,604,884	2,604,754	
233851BP8	DAIMLER FINANCE NORTH AMERICA LLC CALLAB	875,000	874,265	873,863	
233851BH6	DAIMLER FINANCE NORTH AMERICA LLC CALLAB	4,445,000	4,433,265	4,447,711	
6180274	DAIRY FARM INTERNATIONAL HOLDINGS LTD CO	32,700	200,430	235,113	
6250508	DAITO TRUST CONSTRUCTION CO LTD COMMON S	3,147	512,405	474,337	
6251363	DAIWA HOUSE INDUSTRY CO LTD COMMON STOCK	32,971	916,468	903,462	
B0Z6WY0	DAIWA HOUSE REIT INVESTMENT CORP	60	150,149	152,064	
6251448	DAIWA SECURITIES GROUP INC COMMON STOCK	226,576	1,405,768	1,399,260	
235851AR3	DANAHER CORP CALLABLE NOTES FIXED 4.375%	1,070,000	1,067,689	1,114,769	
235851102	DANAHER CORP COMMON STOCK USD 0.01	61,709	2,111,865	4,803,429	
DKK	DANISH KRONE		137,714	136,962	
23636TAD2	DANONE SA CALLABLE BOND FIXED 2.589% 02/	675,000	675,000	650,403	
23636TAB6	DANONE SA CALLABLE NOTES FIXED 1.691% 30	3,175,000	3,175,800	3,135,249	
23636TAE0	DANONE SA CALLABLE NOTES FIXED 2.947% 02	1,460,000	1,460,000	1,393,249	
B1Y9TB3	DANONE SA COMMON STOCK EUR 0.25	26,285	1,658,536	1,668,991	
4588825	DANSKE BANK A/S COMMON STOCK DKK 10	86,007	2,414,701	2,613,316	
23636AAF8	DANSKE BANK A/S NOTES FIXED 1.65% 06/SEP	3,920,000	3,914,982	3,862,533	
6704351	DAPHNE INTERNATIONAL HOLDINGS LTD COMMON	162,000	64,741	16,298	
237194AH8	DARDEN RESTAURANTS INC CALLABLE NOTES FI	6,350,000	7,233,118	7,297,928	
237194105	DARDEN RESTAURANTS INC COMMON STOCK USD	9,286	135,349	675,278	
4067164	DASSAULT AVIATION SA COMMON STOCK EUR 8	100	109,522	111,972	
5330047	DASSAULT SYSTEMES SE COMMON STOCK EUR 0.	6,377	489,444	486,905	
6080716	DATANG INTERNATIONAL POWER GENERATION CO	878,000	491,712	229,886	
6149479	DATATEC LTD COMMON STOCK ZAR 1	44,100	199,806	159,566	
B08BR25	DAVIDE CAMPARI-MILANO SPA COMMON STOCK E	31,510	177,898	308,755	
G78990028	DAVIDSON KEMPER INSTITUTIONAL PARTNERS L	100	100,000,000	159,433,335	
23918K108	DAVITA INC	151,399	10,133,087	9,719,816	
GXHTIDX	DAX INDEX FUTURE EQUITY INDEX 17/MAR/201	1	0	6,549	
6175203	DBS GROUP HOLDINGS LTD COMMON STOCK SGD	200,177	2,402,654	2,402,623	
242493	DCC PLC COMMON STOCK GBP 0.25	27,984	1,382,898	2,088,537	
B1B0V35	DCM HOLDINGS CO LTD COMMON STOCK JPY	28,500	211,133	253,637	
23311RAD8	DCP MIDSTREAM LLC CALLABLE NOTES FIXED 5	4,568,000	4,880,543	4,739,300	
26439XAH6	DCP MIDSTREAM LLC CALLABLE NOTES FIXED 6	3,000,000	3,158,790	3,000,000	
23311VAE7	DCP MIDSTREAM OPERATING LP CALLABLE NOTE	2,703,000	2,740,120	2,669,213	
233153204	DCT INDUSTRIAL TRUST INC REIT USD 0.01	88,385	3,902,618	4,231,874	
23317HAB8	DDR CORP CALLABLE NOTES FIXED 3.375% 15/	1,920,000	1,851,532	1,866,394	
23317HAC6	DDR CORP CALLABLE NOTES FIXED 3.5% 15/JA	2,400,000	2,453,256	2,436,480	
23317HAA0	DDR CORP CALLABLE NOTES FIXED 4.625% 15/	640,000	699,110	677,613	
23317H102	DDR CORP REIT USD 0.1	112,633	1,903,145	1,719,906	
244199BF1	DEERE & CO CALLABLE NOTES FIXED 3.9% 09/	3,160,000	3,166,635	3,164,234	
244199105	DEERE & CO COMMON STOCK USD 1	52,764	2,882,527	5,436,803	
244199BD6	DEERE & CO NOTES FIXED 5.375% 16/OCT/202	2,200,000	2,754,510	2,638,680	
24668PAE7	DELHAIZE GROUP SA CALLABLE NOTES FIXED 5	2,745,000	2,955,815	3,041,707	
24703L103	DELL TECHNOLOGIES INC CLASS V TRACKING S	18,135	527,905	996,881	
247109BT7	DELMARVA POWER & LIGHT CO CALLABLE BOND	8,027,000	8,062,560	8,225,588	
247109BS9	DELMARVA POWER & LIGHT CO CALLABLE BOND	1,725,000	1,761,777	1,774,784	
247109BR1	DELMARVA POWER & LIGHT CO CALLABLE BOND	865,000	846,074	840,771	
24713GAB8	DELPHI AUTOMOTIVE PLC CALLABLE NOTES FIX	1,100,000	1,099,362	1,138,863	
G27823106	DELPHI AUTOMOTIVE PLC COMMON STOCK USD 0	21,826	1,933,893	1,469,981	
247131AF2	DELPHI FINANCIAL GROUP INC CALLABLE NOTE	360,000	436,467	404,442	
247131303	DELPHI FINANCIAL GROUP INC CALLABLE PREF	38,625	965,239	772,500	
247367BH7	DELTA AIR LINES 2007-1 CLASS A PASS THRO	580,142	580,142	667,164	
24736TAA5	DELTA AIR LINES 2009-1 CLASS A PASS THRO	1,376,651	1,586,590	1,524,641	
24736YAA4	DELTA AIR LINES 2015-1 CLASS A PASS THRO	3,080,898	3,080,898	3,173,324	
247361702	DELTA AIR LINES INC COMMON STOCK USD 0.0	97,429	2,391,028	4,792,533	
6334468	DELTA DUNIA MAKMUR TBK PT COMMON STOCK I	9,441,800	190,179	357,418	
6260734	DELTA ELECTRONICS INC COMMON STOCK TWD 1	59,413	256,955	294,033	
248019101	DELUXE CORP COMMON STOCK USD 1	3,830	231,559	274,266	
B05L364	DENA CO LTD COMMON STOCK JPY	4,600	140,625	100,728	
247916208	DENBURY RESOURCES INC COMMON STOCK USD 0	156,700	522,053	576,656	
6309820	DENKA CO LTD COMMON STOCK JPY	127,000	560,581	561,855	
6640381	DENSO CORP COMMON STOCK JPY	26,858	1,132,054	1,165,877	
24906P109	DENTSPLY SIRONA INC COMMON STOCK USD 0.0	19,464	446,897	1,123,657	
6416281	DENTSU INC COMMON STOCK JPY	19,108	931,138	901,050	
249218AK4	DENVER COLO PUB SCHS CTFS PARTN RFDG-TAX	215,000	289,272	285,217	
249670AA8	DEPOSITORY TRUST & CLEARING CORP/THE CAL	750,000	750,000	763,125	
251510EK5	DEUTSCHE ALT-A SECURITIES INC MORTGAGE L	203,788	208,431	205,389	
25150RAF2	DEUTSCHE ALT-A SECURITIES MORTGAGE LOAN	768,428	404,381	612,635	
251541AN8	DEUTSCHE BANK AG BOND FIXED 4.25% 14/OCT	15,416,000	15,403,331	15,475,506	
5750355	DEUTSCHE BANK AG COMMON STOCK EUR 0	110,015	1,670,515	2,001,661	
25152R5F6	DEUTSCHE BANK AG MEDIUM TERM NOTE FIXED	5,927,000	5,892,937	5,867,078	
25152RWY5	DEUTSCHE BANK AG/LONDON NOTES FIXED 1.35	700,000	686,385	698,481	
7021963	DEUTSCHE BOERSE AG COMMON STOCK EUR 0	8,501	676,879	685,215	
5287488	DEUTSCHE LUFTHANSA AG COMMON STOCK EUR 0	118,121	1,493,041	1,528,696	
2.52E+106	DEUTSCHE MULTI-MARKET INCOME TRUST CLOSE	80,841	690,859	688,765	
B0ZKVD4	DEUTSCHE POST AG COMMON STOCK EUR 0	21,374	663,518	699,886	
4617859	DEUTSCHE POST AG COMMON STOCK EUR 0	109,492	3,481,371	3,607,227	
25160F109	DEUTSCHE STRATEGIC INCOME TRUST CLOSED-E	28,861	346,256	343,157	
5842359	DEUTSCHE TELEKOM AG COMMON STOCK EUR 0	304,517	4,145,774	5,253,051	
25156PAR4	DEUTSCHE TELEKOM INTERNATIONAL FINANCE B	3,385,000	3,439,993	3,625,030	
25156PAQ6	DEUTSCHE TELEKOM INTERNATIONAL FINANCE B	3,725,000	3,805,918	3,730,290	
25156PAD5	DEUTSCHE TELEKOM INTERNATIONAL FINANCE B	5,147,000	7,424,711	7,939,505	
25156PAC7	DEUTSCHE TELEKOM INTERNATIONAL FINANCE B	19,568,000	26,708,493	28,767,308	
15199Y013	DEUTSCHE TRI PARTY REUSE		25,000,000	25,000,000	
B0YZ0Z5	DEUTSCHE WOHNEN AG COMMON STOCK EUR 0	17,449	536,892	549,185	

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	2519995X2	DEVICESCAPE SOFTWARE, INC SER B PREFERRE	714,323	374,344	374,344
	25179MAP8	DEVON ENERGY CORP CALLABLE NOTES FIXED 3	5,515,000	5,259,063	5,480,035
	25179MAN3	DEVON ENERGY CORP CALLABLE NOTES FIXED 4	2,460,000	2,320,132	2,323,962
	25179MAV5	DEVON ENERGY CORP CALLABLE NOTES FIXED 5	5,804,000	5,969,009	6,594,157
	25179MAU7	DEVON ENERGY CORP CALLABLE NOTES FIXED 5	18,190,000	16,429,948	17,868,765
	25179MAL7	DEVON ENERGY CORP CALLABLE NOTES FIXED 5	6,595,000	6,017,964	6,792,850
	251799AA0	DEVON ENERGY CORP CALLABLE NOTES FIXED 7	7,100,000	9,176,313	8,990,162
	25179M103	DEVON ENERGY CORP COMMON STOCK USD 0.1	52,352	1,523,555	2,390,916
	25179SAD2	DEVON FINANCING CO LLC CALLABLE BOND FIX	10,535,000	12,884,625	13,367,229
	267043	DEVRO PLC COMMON STOCK GBP 10	129,865	747,885	304,487
	251893103	DEVRY EDUCATION GROUP INC COMMON STOCK U	5,300	123,910	165,360
	252131107	DEXCOM INC COMMON STOCK USD 0.001	6,590	531,334	393,423
	B033YN6	DEXUS PROPERTY GROUP REIT AUD 0	109,243	681,539	760,969
	B68N347	DGB FINANCIAL GROUP INC COMMON STOCK KRW	91,363	775,007	739,043
	23331S100	DHI GROUP INC COMMON STOCK USD 0.01	4,900	37,851	30,625
	25243YAH2	DIAGEO CAPITAL PLC CALLABLE BOND FIXED 5	1,790,000	2,234,937	2,175,208
	25243YAV1	DIAGEO CAPITAL PLC CALLABLE NOTES FIXED	3,105,000	3,080,798	2,957,885
	25245BAA5	DIAGEO INVESTMENT CORP CALLABLE NOTES FI	1,280,000	1,191,974	1,287,731
	25243Q205	DIAGEO PLC ADR USD	1	107	104
	237400	DIAGEO PLC COMMON STOCK GBP 28.93518	370,235	8,415,379	9,652,846
	25272KAR4	DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN	29,146,000	31,273,290	35,887,178
	25272KAN3	DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN	10,813,000	12,570,217	12,862,929
	25272KAK9	DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN	16,250,000	16,832,615	17,603,625
	25272KAG8	DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN	19,245,000	19,567,412	20,413,941
	25272KAD5	DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN	25,641,000	26,000,802	26,532,025
	25272KAA1	DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN	11,045,000	11,043,776	11,274,846
	25271CAM4	DIAMOND OFFSHORE DRILLING INC CALLABLE N	750,000	751,320	645,000
	25271C102	DIAMOND OFFSHORE DRILLING INC COMMON STO	5,192	194,454	91,898
	25278X109	DIAMONDBACK ENERGY INC COMMON STOCK USD	6,271	472,765	633,747
	253393102	DICK'S SPORTING GOODS INC COMMON STOCK U	6,933	144,129	368,142
	B012VF6	DIEBOLD NIXDORF AG COMMON STOCK EUR 0	6,213	363,507	432,181
	253868103	DIGITAL REALTY TRUST INC REIT USD 0.01	12,661	644,106	1,244,070
	25389JAQ9	DIGITAL REALTY TRUST LP CALLABLE NOTES F	500,000	500,000	518,960
	254010AC5	DIGNITY HEALTH CALLABLE BOND FIXED 2.637	1,760,000	1,774,075	1,775,330
	254010AB7	DIGNITY HEALTH CALLABLE BOND FIXED 4.5%	500,000	492,846	462,700
	254010AE1	DIGNITY HEALTH CALLABLE BOND FIXED 5.267	1,225,000	1,237,383	1,195,024
	254067101	DILLARD'S INC COMMON STOCK USD 0	1,434	73,009	89,897
	254067AN1	DILLARD'S INC NOTES FIXED 7% 01/DEC/2028	4,000,000	3,108,898	4,480,000
	254067AH4	DILLARD'S INC NOTES FIXED 7.13% 01/AUG/2	5,000,000	3,527,569	5,355,850
	B59VLC7	DIRECIONAL ENGENHARIA SA COMMON STOCK BR	18,600	32,026	26,060
	BY9D0Y1	DIRECT LINE INSURANCE GROUP PLC COMMON S	338,680	1,728,414	1,545,902
	25466AAJ0	DISCOVER BANK/GREENWOOD DE CALLABLE BOND	1,350,000	1,348,529	1,303,574
	25466AAG6	DISCOVER BANK/GREENWOOD DE CALLABLE BOND	5,630,000	5,736,247	5,697,504
	25466AAF8	DISCOVER BANK/GREENWOOD DE CALLABLE BOND	2,870,000	2,862,308	2,886,818
	25466AAC5	DISCOVER BANK/GREENWOOD DE NOTES FIXED 2	2,020,000	2,017,960	2,019,636
	25466AAE1	DISCOVER BANK/GREENWOOD DE NOTES FIXED 4	585,000	596,097	595,951
	25466AAD3	DISCOVER BANK/GREENWOOD DE NOTES FIXED 4	8,970,000	9,221,023	9,345,215
	25466AAB7	DISCOVER BANK/GREENWOOD DE NOTES FIXED 7	575,000	629,372	638,469
	254683BV6	DISCOVER CARD EXECUTION NOTE TRUST 2016-	1,610,000	1,609,861	1,591,623
	254683BT1	DISCOVER CARD EXECUTION NOTE TRUST 2016-	410,000	412,276	412,401
	254709108	DISCOVERY FINANCIAL SERVICES COMMON STOCK	32,792	357,120	2,363,975
	25470F302	DISCOVERY COMMUNICATIONS INC COMMON STOC	18,977	451,491	508,204
	25470F104	DISCOVERY COMMUNICATIONS INC COMMON STOC	10,905	371,923	298,906
	25470DAD1	DISCOVERY COMMUNICATIONS LLC CALLABLE BO	6,565,000	6,992,102	6,971,374
	25470DAL3	DISCOVERY COMMUNICATIONS LLC CALLABLE NO	3,825,000	4,176,803	4,027,802
	25470DAJ8	DISCOVERY COMMUNICATIONS LLC CALLABLE NO	3,876,000	3,649,901	3,581,773
	25470DAG4	DISCOVERY COMMUNICATIONS LLC CALLABLE NO	4,205,000	4,587,983	3,878,356
	25470DAF6	DISCOVERY COMMUNICATIONS LLC CALLABLE NO	1,335,000	1,300,036	1,330,514
	25470DAA7	DISCOVERY COMMUNICATIONS LLC CALLABLE NO	200,000	242,374	216,068
	25470XAJ4	DISH DBS CORP CALLABLE NOTES FIXED 5.875	2,500,000	2,693,500	2,631,250
	25470XAB1	DISH DBS CORP CALLABLE NOTES FIXED 7.875	3,000,000	3,330,000	3,330,000
	25470M109	DISH NETWORK CORP COMMON STOCK USD 0.01	22,218	638,562	1,287,089
	B55ZR92	DISTRIBUIDORA INTERNACIONAL DE ALIMENTAC	66,489	391,897	327,153
	25477GEU5	DISTRICT COLUMBIA INCOME TAX REV	515,000	570,613	631,127
	254845GQ7	DISTRICT COLUMBIA WTR & SWR AUTH PUB UTI	165,000	161,604	200,571
	B4Y7R14	DIXONS CARPHONE PLC COMMON STOCK GBP 0.1	43,108	173,227	188,883
	B71QPM2	DKSH HOLDING AG COMMON STOCK CHF 0.1	1,068	62,338	73,505
	4263304	DNB ASA COMMON STOCK NOK 10	96,904	1,033,562	1,445,505
	25659T107	DOLBY LABORATORIES INC COMMON STOCK USD	10,070	401,234	455,063
	256677AD7	DOLLAR GENERAL CORP CALLABLE NOTES FIXED	1,573,000	1,571,705	1,618,475
	256677105	DOLLAR GENERAL CORP COMMON STOCK USD 0.8	22,736	1,008,321	1,684,056
	256746108	DOLLAR TREE INC COMMON STOCK USD 0.01	18,111	227,519	1,397,807
	0C0935B	DOLLAR TREE INC TERM B1 BL1731936	277,215	272,315	280,248
	4B9312B	DOLLAR TREE, INC. (FAMILY TREE ESCROW) T	2,470,000	2,470,000	2,512,188
	B4TP9G2	DOLLARAMA INC COMMON STOCK CAD 0	13,321	952,188	977,234
	257375AJ4	DOMINION GAS HOLDINGS LLC CALLABLE NOTES	5,970,000	5,934,557	5,939,971
	257375AG0	DOMINION GAS HOLDINGS LLC CALLABLE NOTES	4,270,000	4,268,377	4,316,970
	257375AF2	DOMINION GAS HOLDINGS LLC CALLABLE NOTES	3,340,000	3,433,773	3,460,875
	257469AJ5	DOMINION RESOURCES INC/VIA CALL/PUT NOTES	2,130,000	2,434,173	2,296,949
	25746UCK3	DOMINION RESOURCES INC/VIA CALLABLE NOTES	3,530,000	3,463,179	3,304,892
	25746UCJ6	DOMINION RESOURCES INC/VIA CALLABLE NOTES	660,000	659,056	640,055
	25746UCH0	DOMINION RESOURCES INC/VIA CALLABLE NOTES	2,650,000	2,645,042	2,609,588
	25746UCD9	DOMINION RESOURCES INC/VIA CALLABLE NOTES	500,000	499,825	500,260
	25746UCC1	DOMINION RESOURCES INC/VIA CALLABLE NOTES	3,118,000	3,219,334	3,205,460
	25746UCB3	DOMINION RESOURCES INC/VIA CALLABLE NOTES	3,520,000	3,514,122	3,542,035
	25746UBY4	DOMINION RESOURCES INC/VIA CALLABLE NOTES	4,975,000	4,975,000	5,099,375
	25746UBR9	DOMINION RESOURCES INC/VIA CALLABLE NOTES	1,865,000	1,868,550	1,862,986
	25746UBQ1	DOMINION RESOURCES INC/VIA CALLABLE NOTES	3,335,000	3,045,558	3,094,613
	25746UBM0	DOMINION RESOURCES INC/VIA CALLABLE NOTES	1,980,000	1,963,003	2,078,604

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
25746UBD0	DOMINION RESOURCES INC/VA CALLABLE NOTES	6,425,000	8,102,344	8,205,689	
25746UAV1	DOMINION RESOURCES INC/VA CALLABLE NOTES	22,517,000	24,597,856	26,019,519	
25746U109	DOMINION RESOURCES INC/VA COMMON STOCK U	68,911	2,479,291	5,277,893	
25746UBU2	DOMINION RESOURCES INC/VA NOTES STEP CPN	12,208,000	12,334,759	12,359,501	
25746UBT5	DOMINION RESOURCES INC/VA NOTES STEP CPN	1,655,000	1,656,159	1,723,964	
B07SFG7	DOMINO'S PIZZA ENTERPRISES LTD COMMON ST	2,702	144,821	127,154	
25754A201	DOMINO'S PIZZA INC COMMON STOCK USD 0.01	3,991	232,014	635,527	
257559AG9	DOMTAR CORP CALLABLE NOTES FIXED 10.75%	298,000	377,641	308,332	
257559AJ3	DOMTAR CORP CALLABLE NOTES FIXED 6.25% 0	2,135,000	2,225,416	2,062,794	
257559AK0	DOMTAR CORP CALLABLE NOTES FIXED 6.75% 1	300,000	340,197	304,734	
257559203	DOMTAR CORP COMMON STOCK USD 0.01	5,030	132,736	196,321	
6269861	DON QUIJOTE HOLDINGS CO LTD COMMON STOCK	5,300	205,598	196,532	
257651109	DONALDSON CO INC COMMON STOCK USD 5	10,307	117,576	433,719	
25787G100	DONNELLEY FINANCIAL SOLUTIONS INC COMMON	2,434	119,139	55,933	
258620756	DOUBLELINE SELECTIVE CREDIT FUND OPEN-EN	13,478,760	125,000,000	123,735,013	
25960P109	DOUGLAS EMMETT INC REIT USD 0.01	11,297	273,526	413,018	
260003108	DOVER CORP COMMON STOCK USD 1	12,220	273,726	915,645	
260543BJ1	DOW CHEMICAL CO/THE BOND FIXED 7.375% 01	16,589,000	21,420,527	21,797,946	
260543CL5	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	2,320,000	2,334,664	2,327,958	
260543CJ0	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	1,400,000	1,474,130	1,412,222	
260543CH4	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	330,000	324,278	330,152	
260543CG6	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	18,100,000	17,467,574	17,570,032	
260543CF8	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	2,265,000	2,331,235	2,393,267	
260543CE1	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	1,400,000	1,504,650	1,512,588	
260543CC5	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	22,000	23,925	23,300	
260543BY8	DOW CHEMICAL CO/THE CALLABLE NOTES FIXED	4,910,000	6,609,156	7,617,914	
260543103	DOW CHEMICAL CO/THE COMMON STOCK USD 2.5	154,503	5,693,014	8,840,662	
260543BX0	DOW CHEMICAL CO/THE NOTES FIXED 8.55% 15	5,666,000	5,865,568	6,493,689	
23330JAA9	DP WORLD LTD MEDIUM TERM NOTE FIXED 6.85	4,735,000	5,168,479	5,047,415	
23331ABK4	DR HORTON INC CALLABLE NOTES FIXED 4% 15	1,890,000	1,894,263	1,941,975	
23331ABG3	DR HORTON INC CALLABLE NOTES FIXED 4.75%	4,482,000	4,676,965	4,594,050	
23331A109	DR HORTON INC COMMON STOCK USD 0.01	26,843	416,278	733,619	
26138EAY5	DR PEPPER SNAPPLE GROUP INC CALLABLE NOT	1,990,000	1,988,348	2,027,810	
26138EAU3	DR PEPPER SNAPPLE GROUP INC CALLABLE NOT	1,405,000	1,400,448	1,301,100	
26138EAJ8	DR PEPPER SNAPPLE GROUP INC CALLABLE NOT	2,232,000	2,771,317	3,106,765	
2.61E+113	DR PEPPER SNAPPLE GROUP INC COMMON STOCK	17,960	512,293	1,628,433	
262037104	DRIL-QUIP INC COMMON STOCK USD 0.01	3,015	271,938	181,051	
26208AAB8	DRIVE AUTO RECEIVABLES TRUST 2016-B 2016	145,797	145,791	145,839	
23332UBF0	DSL A MORTGAGE LOAN TRUST 2004-AR3 2004-A	346,583	351,349	343,153	
23332B106	DSP GROUP INC COMMON STOCK USD 0.001	416	3,177	5,429	
233326107	DST SYSTEMS INC COMMON STOCK USD 0.01	2,917	182,119	312,557	
B1WT5G2	DSV A/S COMMON STOCK DKK 1	8,479	360,094	377,911	
23334L102	DSW INC COMMON STOCK USD 0	720	19,757	16,308	
23340TAA5	DT AUTO OWNER TRUST 2015-3 2015-3A A 1.6	111,493	111,486	111,529	
23341RAA8	DT AUTO OWNER TRUST 2016-3 2016-3A A 1.7	352,245	352,243	352,610	
23341JAA6	DT AUTO OWNER TRUST 2016-4 2016-4A A 1.4	432,591	432,569	431,960	
23338VAF3	DTE ELECTRIC CO CALLABLE BOND FIXED 3.7%	1,270,000	1,269,060	1,221,727	
23338VAE6	DTE ELECTRIC CO CALLABLE BOND FIXED 3.7%	1,450,000	1,446,607	1,386,360	
250847EK2	DTE ELECTRIC CO CALLABLE BOND FIXED 3.95	1,500,000	1,493,475	1,490,250	
250847EA4	DTE ELECTRIC CO CALLABLE NOTES FIXED 5.7	520,000	574,735	643,224	
233331AX5	DTE ENERGY CO CALLABLE NOTES FIXED 1.5%	1,175,000	1,173,531	1,155,472	
233331AT4	DTE ENERGY CO CALLABLE NOTES FIXED 2.4%	805,000	804,050	808,969	
233331AV9	DTE ENERGY CO CALLABLE NOTES FIXED 3.3%	2,880,000	2,878,934	2,929,651	
233331AS6	DTE ENERGY CO CALLABLE NOTES FIXED 3.5%	3,000,000	2,997,420	3,023,430	
233331AJ6	DTE ENERGY CO CALLABLE NOTES FIXED 6.375	2,210,000	2,125,211	2,701,416	
233331107	DTE ENERGY CO COMMON STOCK USD 0	20,317	945,533	2,001,428	
6388357	DUBAI INVESTMENTS PJSC COMMON STOCK AED	1,173,027	666,205	760,109	
6283452	DUBAI ISLAMIC BANK PJSC COMMON STOCK AED	601,804	946,603	912,643	
B01WT63	DUET GROUP STAPLED SECURITY AUD 0	102,236	178,085	202,840	
26432K108	DUFF & PHELPS UTILITY AND CORPORATE BOND	808,468	7,747,505	7,631,938	
B0R80X9	DUFFY AG COMMON STOCK CHF 5	2,018	250,054	252,163	
26442CAQ7	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	840,000	839,672	832,532	
26442CAP9	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	1,770,000	1,755,238	1,684,916	
26442CAN4	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	865,000	844,724	859,032	
26442CAM6	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	10,310,000	10,099,030	10,547,027	
26442CAK0	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	1,475,000	1,620,229	1,565,624	
26442CAH7	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	4,362,000	4,515,309	5,174,030	
26442CAG9	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	1,685,000	2,037,334	1,843,592	
26442CAE4	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	4,990,000	5,968,584	6,294,137	
26442CAB0	DUKE ENERGY CAROLINAS LLC CALLABLE BOND	1,375,000	1,374,038	1,703,103	
26442CAA2	DUKE ENERGY CAROLINAS LLC CALLABLE NOTES	7,495,000	8,806,946	9,222,747	
264399ED4	DUKE ENERGY CAROLINAS LLC CALLABLE NOTES	6,115,000	6,592,672	7,727,097	
26442CAR5	DUKE ENERGY CAROLINAS LLC CALLABLE OTHER	290,000	288,976	283,681	
26441CAR6	DUKE ENERGY CORP CALLABLE NOTES FIXED 1.	3,720,000	3,690,687	3,583,476	
26441CAS4	DUKE ENERGY CORP CALLABLE NOTES FIXED 2.	9,575,000	9,510,823	8,936,635	
26441CAK1	DUKE ENERGY CORP CALLABLE NOTES FIXED 2.	2,755,000	2,777,864	2,766,709	
26441CAT2	DUKE ENERGY CORP CALLABLE NOTES FIXED 3.	12,100,000	11,695,684	10,892,541	
26441CAN5	DUKE ENERGY CORP CALLABLE NOTES FIXED 3.	5,970,000	6,084,129	6,156,443	
26441CAF2	DUKE ENERGY CORP CALLABLE NOTES FIXED 3.	2,540,000	2,624,468	2,629,256	
26441CAP0	DUKE ENERGY CORP CALLABLE NOTES FIXED 4.	95,000	94,681	100,412	
26441CAD7	DUKE ENERGY CORP CALLABLE NOTES FIXED 5.	4,329,000	4,879,735	4,666,835	
26441C204	DUKE ENERGY CORP COMMON STOCK USD 0.001	77,220	3,999,584	5,993,816	
341099CR8	DUKE ENERGY FLORIDA LLC CALLABLE BOND FI	2,875,000	2,866,546	2,756,895	
341099CP2	DUKE ENERGY FLORIDA LLC CALLABLE BOND FI	1,900,000	2,007,730	1,948,412	
341099CL1	DUKE ENERGY FLORIDA LLC CALLABLE BOND FI	7,320,000	8,716,839	9,651,566	
341099CHO	DUKE ENERGY FLORIDA LLC CALLABLE BOND FI	6,065,000	7,445,453	7,815,298	
341099CB3	DUKE ENERGY FLORIDA LLC CALLABLE BOND FI	150,000	141,324	173,561	
26444HAA9	DUKE ENERGY FLORIDA LLC CALLABLE BOND FI	6,045,000	5,996,207	5,378,720	
26444GAE3	DUKE ENERGY FLORIDA PROJECT FINANCE LLC	840,000	839,950	768,583	

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Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
26444GAD5	DUKE ENERGY FLORIDA PROJECT FINANCE LLC	650,000	649,968	596,843	
693627AY7	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	410,000	514,489	494,066	
26443TAA4	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	1,650,000	1,645,562	1,551,941	
263901AF7	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	2,215,000	2,406,871	2,454,375	
263901AD2	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	1,325,000	1,363,664	1,312,240	
263901AC4	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	450,000	453,870	472,190	
263901AB6	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	2,500,000	2,657,345	3,276,350	
263901AA8	DUKE ENERGY INDIANA LLC CALLABLE BOND FI	3,000,000	3,926,630	3,908,100	
26442EAE0	DUKE ENERGY OHIO INC CALLABLE BOND FIXED	1,285,000	1,276,018	1,214,723	
144141CY2	DUKE ENERGY PROGRESS INC CALLABLE NOTES	1,750,000	1,902,608	2,258,865	
26442UAB0	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	2,050,000	2,093,021	2,085,978	
26442UAA2	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	1,585,000	1,642,225	1,609,472	
26442RAD3	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	6,175,000	6,178,050	6,134,924	
26442RAB7	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	6,980,000	7,215,891	7,232,885	
144141DD7	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	5,095,000	4,914,682	5,094,389	
144141DB1	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	6,970,000	6,629,759	6,930,271	
144141DA3	DUKE ENERGY PROGRESS LLC CALLABLE BOND F	2,039,000	2,090,923	2,091,382	
264411505	DUKE REALTY CORP REIT USD 0.01	41,646	770,135	1,106,118	
264411AD1	DUKE REALTY LP 3.875% 15 FEB 2021	970,000	1,009,518	1,010,905	
26441YAX5	DUKE REALTY LP CALLABLE NOTES FIXED 3.62	3,695,000	3,640,374	3,753,307	
B3VL4P5	DULUXGROUP LTD COMMON STOCK AUD	9,186	42,807	41,506	
2.65E+104	DUN & BRADSTREET CORP/THE COMMON STOCK U	8,132	502,958	986,574	
265504100	DUNKIN' BRANDS GROUP INC COMMON STOCK US	7,333	273,066	384,543	
26613Q106	DUPONT FABROS TECHNOLOGY INC REIT USD 0.	110,705	4,953,478	4,863,271	
4942904	E.ON SE COMMON STOCK EUR 0	386,683	3,324,349	2,732,621	
6433912	E.SUN FINANCIAL HOLDING CO LTD COMMON ST	1,443,192	759,239	821,700	
26969P108	EAGLE MATERIALS INC COMMON STOCK USD 0.0	4,972	347,075	489,891	
27033X101	EARTHLINK HOLDINGS CORP COMMON STOCK EUR	9,900	63,987	55,836	
6298542	EAST JAPAN RAILWAY CO COMMON STOCK JPY	56,884	4,182,270	4,925,866	
27579R104	EAST WEST BANCORP INC COMMON STOCK USD 0	31,295	859,532	1,590,725	
277432AQ3	EASTMAN CHEMICAL CO CALLABLE NOTES FIXED	2,125,000	2,120,559	2,137,431	
277432AP5	EASTMAN CHEMICAL CO CALLABLE NOTES FIXED	200,000	201,138	198,350	
277432AL4	EASTMAN CHEMICAL CO CALLABLE NOTES FIXED	3,879,000	3,872,732	3,854,795	
277432100	EASTMAN CHEMICAL CO COMMON STOCK USD 0.0	26,127	1,399,238	1,965,012	
B7KR2P8	EASYJET PLC COMMON STOCK GBP 27.28571	88,558	1,594,090	1,099,738	
278062AC8	EATON CORP CALLABLE NOTES FIXED 2.75% 02	8,140,000	8,097,486	8,062,100	
278062AD6	EATON CORP CALLABLE NOTES FIXED 4% 02/NO	4,100,000	4,014,397	4,041,944	
278062AE4	EATON CORP CALLABLE NOTES FIXED 4.15% 02	6,375,000	6,125,559	6,231,371	
G29183103	EATON CORP PLC COMMON STOCK USD 0.01	61,017	2,495,947	4,093,631	
278265103	EATON VANCE CORP COMMON STOCK USD 0.0039	10,062	218,964	421,397	
27827X101	EATON VANCE MUNICIPAL BOND FUND CLOSED-E	62,838	771,813	779,820	
27829U105	EATON VANCE MUNICIPAL INCOME 2028 TERM T	22,086	392,900	433,106	
27828V104	EATON VANCE SHORT DURATION DIVERSIFIED I	487,076	7,044,007	6,750,873	
27829M103	EATON VANCE TAX-ADVANTAGED BOND AND OPTI	47,481	622,114	537,960	
278642AN3	EBAY INC CALLABLE NOTES FIXED 3.8% 09/MA	1,245,000	1,290,766	1,286,247	
278642AF0	EBAY INC CALLABLE NOTES FIXED 4% 15/JUL/	2,400,000	2,040,256	2,003,256	
278642103	EBAY INC COMMON STOCK USD 0.001	134,521	2,097,103	3,993,928	
278768106	ECHOSTAR CORP COMMON STOCK USD 0.001	6,861	246,129	352,587	
278865AL4	ECOLAB INC CALLABLE NOTES FIXED 4.35% 08	2,975,000	3,233,966	3,214,964	
278865AM2	ECOLAB INC CALLABLE NOTES FIXED 5.5% 08/	740,000	924,685	870,233	
278865100	ECOLAB INC COMMON STOCK USD 1	23,133	863,392	2,711,650	
279158AL3	ECOPETROL SA CALLABLE NOTES FIXED 5.375%	1,380,000	1,370,726	1,373,100	
279158AJ8	ECOPETROL SA CALLABLE NOTES FIXED 5.875%	8,648,000	7,808,576	7,471,872	
279158AC3	ECOPETROL SA CALLABLE NOTES FIXED 5.875%	885,000	995,519	940,313	
EUR COLL	ECU COLLATERAL ACCOUNT	335,521	356,137	353,891	
B62G1B5	EDENRED COMMON STOCK EUR 2	80,542	2,030,490	1,600,065	
28035Q102	EDGEWELL PERSONAL CARE CO COMMON STOCK U	4,724	105,241	344,805	
294502	EDINBURGH DRAGON TRUST PLC CLOSED-END FU	131,149	504,061	489,404	
6512714	EDION CORP COMMON STOCK JPY	30,700	298,421	288,483	
281020AJ6	EDISON INTERNATIONAL CALLABLE NOTES FIXE	650,000	649,714	642,363	
281020107	EDISON INTERNATIONAL COMMON STOCK USD 0	41,279	1,518,039	2,971,675	
4103596	EDP - ENERGIAS DE PORTUGAL SA COMMON STO	498,353	1,756,860	1,521,196	
B0D7494	EDP - ENERGIAS DO BRASIL SA COMMON STOCK	87,300	327,313	359,425	
26835PAD2	EDP FINANCE BV CALLABLE NOTES FIXED 5.25	1,885,000	2,055,593	1,992,634	
28140TAA6	EDUCATION REALTY OPERATING PARTNERSHIP L	800,000	799,928	796,104	
2.82E+112	EDWARDS LIFESCIENCES CORP COMMON STOCK U	16,875	166,242	1,581,188	
B03MS08	EGE SERAMIK SANAYI VE TICARET AS COMMON	25,629	38,142	22,441	
28238P109	EHEALTH INC COMMON STOCK USD 0.001	300	2,317	3,195	
263534BT5	EI DU PONT DE NEMOURS & CO CALLABLE BOND	500,000	597,540	531,330	
263534CC1	EI DU PONT DE NEMOURS & CO CALLABLE NOTE	1,000,000	1,129,120	1,048,030	
263534109	EI DU PONT DE NEMOURS & CO COMMON STOCK	85,954	3,885,216	6,309,024	
AEAJ7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 28/AP	-1	0	-7,167	
AEAG7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 28/FE	-1	0	-6,533	
AEAZ7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 29/DE	-1	0	-8,793	
AEAU7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 29/SE	-1	0	-9,620	
AEAM7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 30/JU	-1	0	-7,743	
EAEX7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 30/NO	-1	0	-9,221	
AEAQ7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 31/UA	-1	0	-9,284	
AEAF7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 31/JA	-1	0	-5,072	
AEAN7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 31/JU	-1	0	-8,889	
AEAK7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 31/MA	-1	0	-7,382	
EAH7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 31/MA	-1	0	-7,016	
EAUV7CS	EIA FTAX ONHGY DS REFINED PRODUCTS 31/OC	-1	0	-9,641	
6099819	EICHER MOTORS LTD COMMON STOCK INR 10	1,930	600,655	620,007	
B13X013	EIFFAGE SA COMMON STOCK EUR 4	14,430	953,603	1,008,328	
6307200	EISAI CO LTD COMMON STOCK JPY	11,122	701,386	639,657	
283695BE3	EL PASO NATURAL GAS CO LLC BOND FIXED 7.	3,125,000	4,247,531	3,704,625	
283695BK9	EL PASO NATURAL GAS CO LLC CALLABLE NOTE	3,710,000	4,811,725	4,600,845	
28370TAF6	EL PASO PIPELINE PARTNERS OPERATING CO L	490,000	487,820	456,528	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
28370TAE9	EL PASO PIPELINE PARTNERS OPERATING CO L	1,100,000	1,177,924	1,171,225	
28370TAD1	EL PASO PIPELINE PARTNERS OPERATING CO L	3,365,000	4,194,627	4,023,699	
28370TAA7	EL PASO PIPELINE PARTNERS OPERATING CO L	3,160,000	3,522,062	3,497,741	
6308913	ELBIT SYSTEMS LTD COMMON STOCK ILS 1	1,029	104,716	104,273	
2307873	ELDORADO GOLD CORP COMMON STOCK CAD 0	81,828	222,148	263,597	
B02Q328	ELECTRIC POWER DEVELOPMENT CO LTD COMMON	46,132	1,125,653	1,063,961	
268317AR5	ELECTRICITE DE FRANCE SA CALLABLE NOTES	115,000	114,514	114,516	
268317AQ7	ELECTRICITE DE FRANCE SA CALLABLE NOTES	4,745,000	4,764,485	4,800,896	
268317AP9	ELECTRICITE DE FRANCE SA CALLABLE NOTES	1,725,000	1,699,665	1,730,675	
B0NJJ17	ELECTRICITE DE FRANCE SA COMMON STOCK EU	155,750	2,862,549	1,590,204	
268317AK0	ELECTRICITE DE FRANCE SA NOTES FIXED 4.8	4,050,000	3,931,545	4,057,938	
268317AL8	ELECTRICITE DE FRANCE SA NOTES FIXED 6%	8,005,000	7,909,349	7,766,531	
B1KKBX6	ELECTROLUX AB COMMON STOCK SEK 5	96,733	2,610,899	2,409,647	
285512AC3	ELECTRONIC ARTS INC CALLABLE NOTES FIXED	810,000	808,785	837,443	
285512109	ELECTRONIC ARTS INC COMMON STOCK USD 0.0	23,229	599,973	1,829,516	
B7FNMQ2	ELEMENT FLEET MANAGEMENT CORP COMMON STO	43,982	391,336	408,647	
532457BJ6	ELI LILLY & CO CALLABLE NOTES FIXED 3.7%	1,540,000	1,496,316	1,460,875	
532457AZ1	ELI LILLY & CO CALLABLE NOTES FIXED 5.5%	750,000	945,443	897,518	
532457BA5	ELI LILLY & CO CALLABLE NOTES FIXED 5.55	750,000	944,633	903,735	
532457108	ELI LILLY & CO COMMON STOCK USD 0	311,441	21,576,328	22,906,486	
B0S7701	E-LIFE MALL CORP COMMON STOCK TWD 10	14,000	24,695	27,888	
BVSS790	ELIS SA COMMON STOCK EUR 0.5	9,962	162,786	178,101	
5701513	ELISA OYJ COMMON STOCK EUR 0	6,264	200,009	204,353	
BQWJP56	EMAAR MALLS PJSC COMMON STOCK AED 1	435,555	372,571	310,696	
B01RM25	EMAAR PROPERTIES PJSC COMMON STOCK AED 1	496,712	950,385	964,240	
29078EAA3	EMBARQ CORP CALLABLE NOTES FIXED 7.995%	1,030,000	1,049,055	965,625	
29081P303	EMBOTELLADORA ANDINA SA ADR USD 0	41,989	848,671	943,493	
26867LAG5	EMD FINANCE LLC CALLABLE NOTES FIXED 2.9	755,000	756,791	751,799	
26867LAL4	EMD FINANCE LLC CALLABLE NOTES FIXED 3.2	550,000	547,999	537,658	
290876AD3	EMERA INC CALLABLE NOTES VARIABLE 15/JUN	4,935,000	4,935,166	5,280,450	
2650050	EMERA INC COMMON STOCK CAD 0	5,594	187,490	189,338	
29103DAK2	EMERA US FINANCE LP CALLABLE NOTES FIXED	12,410,000	12,336,438	12,514,865	
29103DAG1	EMERA US FINANCE LP CALLABLE NOTES FIXED	9,325,000	9,480,246	9,166,755	
29103DAD8	EMERA US FINANCE LP CALLABLE NOTES FIXED	210,000	209,796	207,866	
291011104	EMERSON ELECTRIC CO COMMON STOCK USD 0.5	72,496	2,427,176	4,041,652	
29134WAA5	EMIRATE OF ABU DHABI UNITED ARAB EMIRATE	500,000	497,810	489,690	
B586565	EMLAK KONUT GAYRIMENKUL YATIRIM ORTAKLIG	726,539	640,140	617,566	
2314000	EMPIRE CO LTD COMMON STOCK CAD 0	18,871	245,818	221,209	
292104106	EMPIRE STATE REALTY TRUST INC REIT USD 0	9,713	169,566	196,105	
7635610	EMS-CHEMIE HOLDING AG COMMON STOCK CHF 0	571	264,722	290,739	
292480AJ9	ENABLE MIDSTREAM PARTNERS LP CALLABLE NO	2,185,000	2,201,050	1,876,762	
292480AG5	ENABLE MIDSTREAM PARTNERS LP CALLABLE NO	550,000	549,593	539,990	
7383072	ENAGAS SA COMMON STOCK EUR 1.5	28,309	804,938	720,346	
BD0CRV6	ENAV SPA COMMON STOCK EUR	65,043	220,045	225,296	
29250RAX4	ENBRIDGE ENERGY PARTNERS LP CALLABLE NOT	3,910,000	4,590,234	4,849,769	
29250RAU0	ENBRIDGE ENERGY PARTNERS LP CALLABLE NOT	1,180,000	1,251,732	1,228,026	
29250NAL9	ENBRIDGE INC CALLABLE NOTES FIXED 4.25%	700,000	695,492	716,723	
29250NAJ4	ENBRIDGE INC CALLABLE NOTES FIXED 4.5% 1	4,500,000	4,421,800	4,183,515	
29250NAM7	ENBRIDGE INC CALLABLE NOTES FIXED 5.5% 0	2,895,000	2,883,594	3,097,708	
29250NAN5	ENBRIDGE INC CALLABLE NOTES VARIABLE 15/	5,600,000	5,600,000	5,586,000	
2466149	ENBRIDGE INC COMMON STOCK CAD 0	106,808	4,347,887	4,499,946	
698900AG2	ENCANA CORP CALLABLE BOND FIXED 7.2% 01/	265,000	299,752	297,425	
292505AJ3	ENCANA CORP CALLABLE NOTES FIXED 3.9% 15	2,600,000	2,527,405	2,618,668	
292505AG9	ENCANA CORP CALLABLE NOTES FIXED 6.5% 01	12,514,000	12,595,036	13,524,631	
292505AH7	ENCANA CORP CALLABLE NOTES FIXED 6.5% 15	1,975,000	2,227,924	2,125,574	
292505AD6	ENCANA CORP CALLABLE NOTES FIXED 6.5% 15	7,075,000	7,138,756	7,620,766	
292505AE4	ENCANA CORP CALLABLE NOTES FIXED 6.625%	1,300,000	1,297,865	1,401,725	
292505104	ENCANA CORP COMMON STOCK CAD 0	76,200	986,109	894,588	
2793193	ENCANA CORP COMMON STOCK CAD 0	110,049	1,183,092	1,293,294	
5271782	ENDESA SA COMMON STOCK EUR 1.2	67,492	1,569,794	1,432,642	
29271LAE4	ENDO FINANCE LLC / ENDO FINCO INC CALLAB	1,800,000	1,561,500	1,525,500	
29271LAA2	ENDO FINANCE LLC CALLABLE NOTES FIXED 5.	1,800,000	1,715,375	1,588,500	
G30401106	ENDO INTERNATIONAL PLC COMMON STOCK	16,383	731,891	269,828	
29272B105	ENDURANCE INTERNATIONAL GROUP HOLDINGS I	999	7,765	9,291	
G30397106	ENDURANCE SPECIALTY HOLDINGS LTD COMMON	5,176	245,434	478,262	
29274F104	ENEL AMERICAS SA ADR	290,443	2,477,520	2,384,537	
29274FAF1	ENEL AMERICAS SA CALLABLE NOTES FIXED 4%	452,000	444,605	431,095	
29278D105	ENEL CHILE SA ADR USD	181,576	1,407,472	826,171	
29268BAF8	ENEL FINANCE INTERNATIONAL NV CALLABLE N	7,745,000	7,881,106	8,652,559	
29268BAC5	ENEL FINANCE INTERNATIONAL NV CALLABLE N	2,550,000	2,785,464	3,100,035	
29246RAA1	ENEL GENERACION CHILE SA CALLABLE NOTES	495,000	501,138	494,946	
7144569	ENEL SPA COMMON STOCK EUR 1	791,713	3,296,601	3,497,228	
BGQYBX7	ENERGA SA COMMON STOCK PLN 10.92	125,781	262,756	274,203	
29265N108	ENERGEN CORP COMMON STOCK USD 0.01	19,578	822,303	1,129,063	
29272W109	ENERGIZER HOLDINGS INC COMMON STOCK 0	4,969	38,140	221,667	
B1GHQN6	ENERGY DEVELOPMENT CORP COMMON STOCK PHP	2,423,100	370,321	251,023	
7C3685B	ENERGY FUTURE/EFIH DIP TL BL2271759	9,362,427	9,290,671	9,431,475	
B2QKDT7	ENERGY TRANSFER PARTNERS LP CALLABLE BON	1,350,000	1,702,040	1,565,285	
29273RAJ8	ENERGY TRANSFER PARTNERS LP CALLABLE BON	5,108,000	5,970,126	5,922,573	
29273RBJ7	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	16,340,000	16,044,320	17,384,780	
29273RBH1	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	2,085,000	2,074,709	2,092,652	
29273RBG3	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	6,555,000	6,400,486	6,776,821	
29273RBF5	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	12,410,000	11,455,607	11,902,183	
29273RBE8	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	1,805,000	1,737,111	1,686,827	
29273RBD0	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	2,345,000	2,261,997	2,321,339	
29273RBC2	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	500,000	506,633	626,915	
29273RBB4	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	1,000,000	1,239,123	1,120,330	
29273RAZ2	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	9,515,000	9,510,122	9,806,444	
29273RAY5	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	700,000	588,693	724,038	

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	29273RAX7	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	1,460,000	1,528,872	1,511,888
	29273RAT6	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	3,400,000	3,386,208	3,168,324
	29273RAS8	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	4,290,000	4,143,401	4,219,258
	29273RAR0	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	2,960,000	3,352,994	3,197,895
	29273RAP4	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	14,367,000	14,524,848	14,751,461
	29273RAN9	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	2,331,000	2,323,752	2,420,207
	29273RAM1	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	360,000	441,990	409,626
	29273RAF6	ENERGY TRANSFER PARTNERS LP CALLABLE NOT	7,986,000	8,756,391	8,653,390
	BD1WX84	ENGIE BRASIL ENERGIA SA	44,000	561,252	473,162
	B0C2CQ3	ENGIE SA COMMON STOCK EUR 1	212,855	3,174,692	2,721,047
	26874R108	ENI SPA ADR USD	4,167	124,241	134,344
	7145056	ENI SPA COMMON STOCK EUR 0	219,381	3,556,574	3,579,636
	51808BAE2	ENI USA INC CALLABLE BOND FIXED 7.3% 15/	1,885,000	2,525,185	2,328,427
	29336T100	ENLINK MIDSTREAM LLC	1,500	56,981	28,575
	29336UAF4	ENLINK MIDSTREAM PARTNERS LP CALLABLE NO	3,000,000	3,082,410	3,026,190
	29336UAE7	ENLINK MIDSTREAM PARTNERS LP CALLABLE NO	1,020,000	1,018,142	990,073
	29336UAD9	ENLINK MIDSTREAM PARTNERS LP CALLABLE NO	6,411,000	5,555,516	5,811,892
	29336UAC1	ENLINK MIDSTREAM PARTNERS LP CALLABLE NO	4,573,000	4,409,721	4,404,302
	29336UAA5	ENLINK MIDSTREAM PARTNERS LP CALLABLE NO	7,950,000	7,985,348	7,955,247
	293389102	ENNIS INC COMMON STOCK USD 2.5	3,000	61,056	52,050
	B94NS14	ENNOCONN CORP COMMON STOCK TWD 10	30,000	350,988	383,506
	293561106	ENRON CORP COM STK USD0.01	549,906	14,325,587	0
	26874QAB6	ENSCO INTERNATIONAL INC CALLABLE BOND FI	860,000	700,900	786,900
	29358QAA7	ENSCO PLC CALLABLE NOTES FIXED 4.7% 15/M	1,130,000	1,096,619	1,086,970
	29358QAE9	ENSCO PLC CALLABLE NOTES FIXED 5.2% 15/M	3,850,000	3,892,532	3,325,130
	29358QAD1	ENSCO PLC CALLABLE NOTES FIXED 5.75% 01/	2,140,000	2,083,135	1,551,500
	G3157S106	ENSCO PLC COMMON STOCK USD 0.1	57,542	954,643	559,308
	29364DAR1	ENTERGY ARKANSAS INC CALLABLE BOND FIXED	1,105,000	1,093,320	1,109,089
	29364GAJ2	ENTERGY CORP CALLABLE NOTES FIXED 2.95%	5,385,000	5,387,950	5,037,344
	29364GAH6	ENTERGY CORP CALLABLE NOTES FIXED 4% 15/	7,188,000	7,329,775	7,516,348
	29364GAF0	ENTERGY CORP CALLABLE NOTES FIXED 5.125%	415,000	427,241	447,349
	29364G103	ENTERGY CORP COMMON STOCK USD 0.01	35,192	2,251,476	2,585,556
	29365PAP7	ENTERGY GULF STATES LOUISIANA LLC CALLAB	2,080,000	2,497,800	2,412,717
	29364WAY4	ENTERGY LOUISIANA LLC CALLABLE BOND FIXE	2,335,000	2,325,123	2,178,859
	29364WAX6	ENTERGY LOUISIANA LLC CALLABLE BOND FIXE	1,165,000	1,158,033	1,103,045
	29364WAT5	ENTERGY LOUISIANA LLC CALLABLE BOND FIXE	2,200,000	2,200,000	2,188,956
	29364NAT5	ENTERGY MISSISSIPPI INC CALLABLE BOND FI	3,730,000	3,728,806	3,541,859
	293990859	ENTERPRISE PARTNERS V IBM	100	2,865,812	0
	293990842	ENTERPRISE PARTNERS VIIBM	100	17,735,702	0
	29379VBL6	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	8,530,000	8,630,643	8,738,047
	29379VBJ1	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	3,497,000	3,559,486	3,589,671
	29379VBH5	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	5,390,000	5,388,942	5,409,566
	29379VBG7	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	1,015,000	1,014,242	1,012,148
	29379VBF9	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	175,000	172,123	169,598
	29379VBE2	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	9,510,000	9,504,572	9,662,731
	29379VBC6	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	8,111,000	8,034,317	8,554,266
	29379VBB8	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	1,200,000	1,197,732	1,237,656
	29379VBA0	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	13,455,000	13,530,316	13,584,168
	29379VAZ6	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	2,725,000	2,731,549	2,757,945
	29379VAY9	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	9,043,000	8,681,404	8,571,136
	29379VAW3	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	1,651,000	1,640,764	1,650,703
	29379VAV5	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	8,075,000	8,524,823	8,850,523
	29379VAT0	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	10,246,000	10,962,187	11,566,709
	29379VAQ6	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	305,000	390,151	362,535
	29379VAM5	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	3,935,000	4,453,690	5,084,728
	29379VAG8	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	7,810,000	9,056,436	8,877,783
	29379VAA1	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	905,000	896,054	933,381
	293791AW9	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	3,000,000	3,270,000	3,063,060
	293791AT6	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	2,115,000	2,184,368	2,309,982
	293791AP4	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	3,950,000	4,408,966	4,751,969
	293791AF6	ENTERPRISE PRODUCTS OPERATING LLC CALLAB	7,075,000	8,196,575	8,646,287
	29414D100	ENVISION HEALTHCARE CORP COMMON STOCK US	10,346	1,013,023	654,798
	26875PAL5	EOG RESOURCES INC CALLABLE NOTES FIXED 2	3,340,000	3,326,300	3,345,043
	26875PAN1	EOG RESOURCES INC CALLABLE NOTES FIXED 3	690,000	687,040	653,451
	26875PAP6	EOG RESOURCES INC CALLABLE NOTES FIXED 4	2,760,000	2,946,852	2,888,340
	26875PAQ4	EOG RESOURCES INC CALLABLE NOTES FIXED 5	2,450,000	2,455,427	2,664,963
	26875PAD3	EOG RESOURCES INC CALLABLE NOTES FIXED 5	215,000	248,998	232,333
	26875P101	EOG RESOURCES INC COMMON STOCK USD 0.01	44,094	804,125	4,457,903
	26884UAB5	EPR PROPERTIES CALLABLE NOTES FIXED 4.5%	500,000	498,190	493,925
	26884UAC3	EPR PROPERTIES CALLABLE NOTES FIXED 4.75	200,000	196,858	197,541
	26884UAA7	EPR PROPERTIES CALLABLE NOTES FIXED 5.25	1,425,000	1,513,877	1,481,074
	26884U109	EPR PROPERTIES REIT USD 0.01	5,088	391,154	365,166
	26884L109	EQT CORP COMMON STOCK USD 0	44,879	2,730,751	2,935,087
	26885BAB6	EQT MIDSTREAM PARTNERS LP CALLABLE NOTES	200,000	198,382	194,950
	26885BAA8	EQT MIDSTREAM PARTNERS LP CALLABLE NOTES	1,000,000	976,706	986,240
	29441WAC9	EQUATE PETROCHEMICAL BV MEDIUM TERM NOTE	3,195,000	3,156,053	3,048,925
	29441WAB1	EQUATE PETROCHEMICAL BV NOTES FIXED 3% 0	520,000	511,493	495,279
	294429105	EQUIFAX INC COMMON STOCK USD 1.25	9,463	154,267	1,118,810
	293988994	EQUIMED INCCOM STK USD	2,016	2	0
	29444U700	EQUINIX INC REIT USD 0.001	18,851	4,414,644	6,737,536
	294628102	EQUITY COMMONWEALTH REIT USD 0.01	230,393	6,697,148	6,967,084
	29472R108	EQUITY LIFESTYLE PROPERTIES INC REIT USD	56,864	2,503,485	4,099,894
	294752100	EQUITY ONE INC REIT EUR 0.01	7,424	224,392	227,843
	29476L107	EQUITY RESIDENTIAL REIT USD 0.01	242,770	12,661,898	15,624,677
	26884TAN2	ERAC USA FINANCE LLC CALLABLE BOND FIXED	410,000	403,180	390,968
	26884TAS1	ERAC USA FINANCE LLC CALLABLE NOTES FIXE	2,635,000	2,585,536	2,407,916
	26884TAR3	ERAC USA FINANCE LLC CALLABLE NOTES FIXE	6,565,000	6,543,598	6,299,249
	26884TAQ5	ERAC USA FINANCE LLC CALLABLE NOTES FIXE	1,580,000	1,577,820	1,554,894
	26882PAR3	ERAC USA FINANCE LLC CALLABLE NOTES FIXE	3,545,000	4,198,709	4,299,270

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	26882PBB7	ERAC USA FINANCE LLC NOTES FIXED 6.375%	5,000,000	5,823,150	5,180,750
	26882PBE1	ERAC USA FINANCE LLC NOTES FIXED 7% 15/O	1,580,000	1,712,043	2,001,955
	B03MS97	EREGLI DEMIR VE CELIK FABRIKALARI TAS CO	575,066	734,254	840,300
	29530P102	ERIE INDEMNITY CO COMMON STOCK USD 0	6,782	341,926	762,636
	26884ABF9	ERP OPERATING LP CALLABLE NOTES FIXED 2.	2,375,000	2,360,289	2,239,221
	26884ABB8	ERP OPERATING LP CALLABLE NOTES FIXED 4.	3,820,000	3,827,409	3,881,769
	26884AAZ6	ERP OPERATING LP CALLABLE NOTES FIXED 4.	5,972,000	6,543,720	6,486,846
	5289837	ERSTE GROUP BANK AG COMMON STOCK EUR 0	23,873	707,886	700,635
	525ESC810	ESCROW LEINER HEALTH PROD	500	128	128
	6321642	ESPRIT HOLDINGS LTD COMMON STOCK HKD 0.1	1,073,401	1,299,571	843,143
	G3198U102	ESSENT GROUP LTD COMMON STOCK USD 0.015	9,500	235,321	307,515
	29717PAL1	ESSEX PORTFOLIO LP CALLABLE NOTES FIXED	1,265,000	1,247,859	1,266,240
	29717PAJ6	ESSEX PORTFOLIO LP CALLABLE NOTES FIXED	1,500,000	1,598,339	1,633,560
	29717PAE7	ESSEX PORTFOLIO LP CALLABLE NOTES FIXED	1,000,000	991,520	996,270
	297178105	ESSEX PROPERTY TRUST INC REIT USD 0.0001	84,525	16,153,574	19,652,063
	7212477	ESSILOR INTERNATIONAL SA COMMON STOCK EU	9,045	986,466	1,024,142
	518439104	ESTEE LAUDER COS INC/THE COMMON STOCK US	17,324	379,489	1,325,113
	B01GYT3	ETERNIT SA COMMON STOCK BRL 0	74,200	146,046	30,093
	89799S163	ETON PARK OVERSEAS FUND LTD	100,770	100,000,000	129,854,607
	269246401	ETRADE FINANCIAL CORP	22,173	281,637	768,294
	29786A106	ETSY INC COMMON STOCK USD 0.001	16,071	158,887	189,316
	7042395	EURAZEO SA COMMON STOCK EUR 0	16,565	1,035,160	971,090
	EUR	EURO		5,326,339	5,260,138
	VGH7IDX	EURO STOXX 50 EQUITY INDEX 17/MAR/2017 V	19	0	18,936
	RXH7COS	EURO-BUND FUTURE BOND 08/MAR/2017 RXH7 C	-3	0	-7,636
	B064B91	EUROCASH SA COMMON STOCK PLN 1	66,539	840,205	627,086
	5972643	EUROFINS SCIENTIFIC SE COMMON STOCK EUR	3,940	584,836	1,683,065
	298736109	EURONET WORLDWIDE INC COMMON STOCK USD 0	7,767	512,024	562,564
	OATH7CS	EURO-OAT FUTURE BOND 08/MAR/2017 OATH7 C	-31	0	-50,655
	298992983	EUROPE CAPITAL PARTNERS L P - IBM	10,539,495	4,131	0
	322566	EUROPEAN ASSETS TRUST NV CLOSED-END FUND	81,599	1,027,072	1,030,964
	329501	EUROPEAN INVESTMENT TRUST PLC CLOSED-END	511,847	4,743,175	5,018,600
	G31991527	EUROPEAN SECONDARY DEV FUND IV LP/1133 W	100	8,785,126	22,937,671
	298992462	EUROPEAN SECONDARY DEVELOPMENT FUND III	100	10,274,526	0
	298994914	EUROPEAN SECONDARY DEVELOPMENT FUND V, L	100	6,977,218	10,724,916
	4C1101F	EUROPEAN-STYLE CRUDE OIL CAL 55.00	28	95,477	194,320
	5C4065F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	104,465
	5C4064F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	102,969
	5C4059F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	133,076
	5C4057F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	116,569
	5C4056F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	108,902
	5C4052F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	109,055
	5C4042F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	96,934
	5C4040F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	92,803
	5C4025F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	107,423
	5C4012F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	104,244
	5C4011F	EUROPEAN-STYLE NATURAL GAS C 3.10	17	60,998	91,630
	5C4229F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-84,643
	5C4225F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-70,142
	5C4213F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-62,169
	5C4202F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-57,596
	5C4201F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-55,544
	5C4190F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-41,735
	5C4187F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-41,582
	5C4184F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-51,391
	5C4182F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-52,700
	5C4180F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-46,886
	5C4161F	EUROPEAN-STYLE NATURAL GAS C 3.60	-17	-33,237	-43,571
	8C5617F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	7,572
	8C5616F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	14,166
	8C5614F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	12,756
	8C5601F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	11,838
	8C5599F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	9,024
	8C5597F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	7,524
	8C5589F	EUROPEAN-STYLE NATURAL GAS C 3.95	6	8,833	10,710
	5C4230F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-10,744
	5C4226F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-10,217
	5C4214F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-9,282
	5C4212F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-8,568
	5C4211F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-6,698
	5C4194F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-5,202
	5C4185F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-1,190
	5C4181F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-4,352
	5C4179F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-3,247
	5C4177F	EUROPEAN-STYLE NATURAL GAS P 2.60	-59	-45,781	-8,496
	5C4171F	EUROPEAN-STYLE NATURAL GAS P 2.60	-17	-23,862	-391
	8C2146F	EUROPEAN-STYLE NATURAL GAS P 2.70	-128	-69,894	-27,136
	8C1487F	EUROPEAN-STYLE NATURAL GAS P 2.80	-211	-159,398	-64,566
	8C5365F	EUROPEAN-STYLE NATURAL GAS P 2.90	-24	-13,793	-5,520
	8C1486F	EUROPEAN-STYLE NATURAL GAS P 2.90	-18	-22,658	-7,758
	8C5618F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-7,224
	8C5611F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-3,042
	8C5608F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-7,662
	8C5607F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-6,000
	8C5606F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-5,064
	8C5602F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-4,542
	8C5600F	EUROPEAN-STYLE NATURAL GAS P 2.95	-6	-7,547	-3,780
	B0M7KJ7	EUTELSAT COMMUNICATIONS SA COMMON STOCK	33,721	933,899	654,259
	29977A105	EVERCORE PARTNERS INC COMMON STOCK USD 0	4,270	212,902	293,349

IBM

Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	G3223R108	EVEREST RE GROUP LTD COMMON STOCK USD 0.	10,899	1,685,450	2,358,544
	299808AF2	EVEREST REINSURANCE HOLDINGS INC CALLABL	1,300,000	1,326,592	1,260,883
	30040W108	EVERSOURCE ENERGY COMMON STOCK USD 5	25,444	464,538	1,405,272
	30040P103	EVERTEC INC COMMON STOCK USD 0.01	39,800	864,753	706,450
	B5ZQ9D3	EVONIK INDUSTRIES AG COMMON STOCK EUR	109,751	3,378,366	3,285,265
	EXCBOAEUR	EXCESS CASH BANK OF AMERICA MERRILL LYN	1,778	1,874	1,875
	EXCBOAAUD	EXCESS CASH BANK OF AMERICA MERRILL LYN	61	44	44
	EXCDEUUSD	EXCESS CASH DEUTSCHE BANK (DEU/DUB)	898,821	898,821	898,821
	EXCBOAUSD	EXCESS CASH FOR BANK OF AMERICA MERRILL	1,311,186	1,311,186	1,311,186
	EXCSZACCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	91,742	6,652	6,709
	EXCSUSCCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	959,442	959,442	959,442
	EXCSMXCCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	661,639	32,024	32,116
	EXCSJYCCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	903,036	7,732	7,742
	EXCSGBCCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	49,912	61,258	61,673
	EXCEUCCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	29,733	31,236	31,361
	EXBOUSCCP	EXCESS CASH FOR CCP AT MERILL LYNCH	26,874	26,874	26,874
	EXBOEUCCP	EXCESS CASH FOR CCP AT MERILL LYNCH	380	401	401
	EXMSUSCCP	EXCESS CASH FOR CCP AT MORGAN STANLEY	1,349,301	1,349,301	1,349,301
	EXRDUCCP	EXCESS CASH FOR CCP AT ROYAL BANK OF CAN	393,428	393,428	393,428
	EXCWFSUSD	EXCESS CASH WELLS FARGO	13,084	13,084	13,084
	30161NAG6	EXELON CORP CALLABLE NOTES FIXED 1.55% 0	465,000	464,684	464,154
	30161NAT8	EXELON CORP CALLABLE NOTES FIXED 2.45% 1	395,000	394,905	390,252
	30161NAH4	EXELON CORP CALLABLE NOTES FIXED 2.85% 1	410,000	409,922	414,379
	30161NAU5	EXELON CORP CALLABLE NOTES FIXED 3.4% 15	14,535,000	14,575,779	14,261,451
	30161NAN1	EXELON CORP CALLABLE NOTES FIXED 3.95% 1	2,897,000	2,931,824	2,978,232
	30161NAV3	EXELON CORP CALLABLE NOTES FIXED 4.45% 1	2,280,000	2,302,082	2,231,960
	30161NAQ4	EXELON CORP CALLABLE NOTES FIXED 4.95% 1	3,810,000	3,817,949	4,042,067
	30161NAS0	EXELON CORP CALLABLE NOTES FIXED 5.1% 15	10,700,000	10,781,679	11,374,100
	30161NAC5	EXELON CORP CALLABLE NOTES FIXED 5.625% 1	17,230,000	18,372,038	19,065,340
	30161N101	EXELON CORP COMMON STOCK USD 0	143,132	4,345,751	5,079,755
	30161MAP8	EXELON GENERATION CO LLC CALLABLE NOTES	4,583,000	4,609,063	4,637,492
	30161MAN3	EXELON GENERATION CO LLC CALLABLE NOTES	5,476,000	5,701,584	5,069,955
	30161MAJ2	EXELON GENERATION CO LLC CALLABLE NOTES	2,920,000	2,832,932	2,740,595
	30161MAG8	EXELON GENERATION CO LLC CALLABLE NOTES	5,155,000	5,497,153	5,190,415
	30161MAE3	EXELON GENERATION CO LLC CALLABLE NOTES	1,300,000	1,378,091	1,343,654
	30165LAA9	EXETER AUTOMOBILE RECEIVABLES TRUST 2014	11,810	11,809	11,805
	30166LAA8	EXETER AUTOMOBILE RECEIVABLES TRUST 2016	1,129,965	1,129,890	1,128,397
	30166KAA0	EXETER AUTOMOBILE RECEIVABLES TRUST 2016	174,229	174,215	174,849
	302088109	EXODUS COMMUNICATIONS COM STK USD0.001	53	1,053	1
	BYSLCX9	EXOR NV COMMON STOCK EUR	21,000	870,672	907,697
	30212P303	EXPEDIA INC COMMON STOCK USD 0.001	9,521	377,333	1,078,539
	302130109	EXPEDITORS INTERNATIONAL OF WASHINGTON I	14,545	229,766	770,303
	B19NLV4	EXPERIAN PLC COMMON STOCK GBP 0.1	199,444	3,033,288	3,879,012
	302154CB3	EXPORT-IMPORT BANK OF KOREA BOND FIXED 1	4,670,000	4,663,742	4,653,375
	3.02E+107	EXPRESS INC COMMON STOCK USD	121,900	1,557,012	1,311,644
	30219GAM0	EXPRESS SCRIPTS HOLDING CO CALLABLE BOND	995,000	989,697	1,024,323
	30219GAQ1	EXPRESS SCRIPTS HOLDING CO CALLABLE NOTE	2,285,000	2,282,966	2,211,903
	30219GAP3	EXPRESS SCRIPTS HOLDING CO CALLABLE NOTE	10,165,000	10,559,752	9,732,276
	30219GAN8	EXPRESS SCRIPTS HOLDING CO CALLABLE NOTE	4,601,000	4,599,114	4,310,723
	30219GAG3	EXPRESS SCRIPTS HOLDING CO CALLABLE NOTE	1,189,000	1,265,653	1,355,650
	30219G108	EXPRESS SCRIPTS HOLDING CO COMMON STOCK	52,531	914,825	3,613,607
	30224P200	EXTENDED STAY AMERICA INC UNIT USD 0.01	29,593	468,178	477,927
	30225T102	EXTRA SPACE STORAGE INC REIT USD 0.01	89,729	4,428,372	6,930,668
	30231GAV4	EXXON MOBIL CORP CALLABLE NOTES FIXED 2.	865,000	865,000	866,981
	30231GAR3	EXXON MOBIL CORP CALLABLE NOTES FIXED 2.	4,065,000	4,065,000	4,078,821
	30231GAT9	EXXON MOBIL CORP CALLABLE NOTES FIXED 3.	8,107,000	8,212,708	8,096,056
	30231GAW2	EXXON MOBIL CORP CALLABLE NOTES FIXED 4.	20,572,000	21,608,169	21,071,282
	30231G102	EXXON MOBIL CORP COMMON STOCK USD 0	455,772	19,969,701	41,137,981
	B1N4G29	F&C UK HIGH INCOME TRUST PLC CLOSED-END	159,715	224,648	197,352
	LX1302080	F&W Media Inc-LX130208	1,197,115	1,114,622	987,620
	135616102	F5 NETWORKS INC COMMON STOCK USD 0	5,649	222,137	817,523
	30303M102	FACEBOOK INC COMMON STOCK USD 0.000006	215,111	10,328,210	24,748,521
	303075105	FACTSET RESEARCH SYSTEMS INC COMMON STOC	7,068	822,968	1,155,123
	2566351	FAIRFAX FINANCIAL HOLDINGS LTD COMMON ST	7,005	3,743,015	3,387,452
	6467074	FAIRFAX MEDIA LTD COMMON STOCK AUD 0	415,107	255,166	267,515
	6331276	FAMILYMART UNY HOLDINGS CO LTD COMMON ST	3,552	222,821	236,932
	3136AHAC4	FANNIE MAE-ACES 2013-M14 SA FLOATING 25/	13,673,256	1,115,804	813,969
	3136ADZZ5	FANNIE MAE-ACES 2013-M5 X2 VARIABLE 25/J	2,355,667	211,724	169,548
	3136AQHL7	FANNIE MAE-ACES 2015-M13 A2 VARIABLE 25/	2,100,000	2,087,501	2,074,152
	3136AQC65	FANNIE MAE-ACES 2015-M17 FA FLOATING 25/	4,292,945	4,272,110	4,309,958
	3136AMMC0	FANNIE MAE-ACES 2015-M3 FA FLOATING 25/J	817,270	817,398	817,445
	6356934	FANUC CORP COMMON STOCK JPY	10,114	1,820,145	1,718,257
	6203687	FARGLORY LAND DEVELOPMENT CO LTD COMMON	277,000	455,178	317,576
	30958PAA1	FARMERS EXCHANGE CAPITAL II CALLABLE NOT	4,350,000	4,445,039	4,464,666
	30958QAA9	FARMERS EXCHANGE CAPITAL III CALLABLE NO	4,510,000	4,510,000	4,392,109
	309588AC5	FARMERS EXCHANGE CAPITAL NOTES FIXED 7.0	1,075,000	1,409,615	1,242,109
	6332439	FAST RETAILING CO LTD COMMON STOCK JPY	2,298	796,254	824,155
	311900104	FASTENAL CO COMMON STOCK USD 0.01	22,921	241,685	1,076,829
	30239F106	FBL FINANCIAL GROUP INC COMMON STOCK USD	1,204	31,464	94,093
	313990020	FCOI II HOLDINGS/1133 CHESTER	100	100,000,000	151,353,517
	31331FAX9	FEDERAL EXPRESS CORP 1998 PASS THROUGH T	7,221,927	8,554,117	7,980,229
	3130A8BD4	FEDERAL HOME LOAN BANKS BOND FIXED .875%	5,000,000	4,990,715	4,982,600
	3130A8DB6	FEDERAL HOME LOAN BANKS BOND FIXED 1.125	5,000,000	5,049,700	4,971,550
	313378AA3	FEDERAL HOME LOAN BANKS BOND FIXED 1.375	5,000,000	5,057,850	5,017,900
	3133X8EW8	FEDERAL HOME LOAN BANKS BOND FIXED 5.375	5,000,000	6,340,963	6,008,650
	313385CF1	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	4,000,000	3,997,033	3,997,168
	313385BW5	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	1,800,000	1,798,943	1,798,951
	313385BV7	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	900,000	899,473	899,488
	313385BS4	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	700,000	699,603	699,629

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	313385BP0	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	600,000	599,701	599,708
	313385BJ4	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	41,800,000	41,782,374	41,782,569
	313385BH8	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	5,000,000	4,997,689	4,997,985
	313385BC9	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	4,600,000	4,598,600	4,598,850
	313385BA3	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	2,000,000	1,999,375	1,999,536
	313385AT3	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	24,600,000	24,594,435	24,596,113
	313385AN6	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	81,700,000	81,687,096	81,691,340
	313385AM8	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	400,000	399,944	399,962
	313385AF3	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	111,300,000	111,292,727	111,296,438
	313385AE6	FEDERAL HOME LOAN BANKS DISCOUNT NOTES Z	62,800,000	62,795,726	62,798,681
	3137EADN6	FEDERAL HOME LOAN MORTGAGE CORP NOTES FI	4,000,000	3,990,000	3,991,840
	3137EADM8	FEDERAL HOME LOAN MORTGAGE CORP NOTES FI	3,000,000	3,021,270	2,982,450
	3137EADB2	FEDERAL HOME LOAN MORTGAGE CORP NOTES FI	3,000,000	3,160,470	3,049,230
	3137EACA5	FEDERAL HOME LOAN MORTGAGE CORP NOTES FI	4,000,000	4,306,720	4,213,760
	3137EABP3	FEDERAL HOME LOAN MORTGAGE CORP NOTES FI	4,000,000	4,490,560	4,216,920
	313397AC5	FEDERAL HOME ZERO 01/17		67,988,820	67,998,470
	313385BC9	FEDERAL HOME ZERO 01/17		8,992,301	8,996,792
	313385BA3	FEDERAL HOME ZERO 01/17		9,990,800	9,996,933
	313385AT3	FEDERAL HOME ZERO 01/17		19,992,222	19,995,278
	313385AN6	FEDERAL HOME ZERO 01/17		24,992,500	24,996,250
	313385AL0	FEDERAL HOME ZERO 01/17		14,990,333	14,998,333
	313385AF3	FEDERAL HOME ZERO 01/17		98,307,660	98,347,530
	313385AE6	FEDERAL HOME ZERO 01/17		28,739,736	28,748,861
	313385AD8	FEDERAL HOME ZERO 01/17		24,988,599	24,999,269
	313385AC0	FEDERAL HOME ZERO 01/17		120,162,629	120,197,810
	313385CL8	FEDERAL HOME ZERO 02/17		6,192,534	6,194,906
	313385CK0	FEDERAL HOME ZERO 02/17		14,983,125	14,988,125
	313385CF1	FEDERAL HOME ZERO 02/17		5,294,110	5,295,814
	313385BZ8	FEDERAL HOME ZERO 02/17		23,570,006	23,572,014
	313385BX3	FEDERAL HOME ZERO 02/17		25,729,171	25,733,263
	313385BS4	FEDERAL HOME ZERO 02/17		11,576,177	11,580,403
	313385BP0	FEDERAL HOME ZERO 02/17		24,982,646	24,986,896
	313385BK1	FEDERAL HOME ZERO 02/17		14,988,333	14,993,125
	313385BJ4	FEDERAL HOME ZERO 02/17		1,998,613	1,999,076
	313385BH8	FEDERAL HOME ZERO 02/17		48,910,060	48,929,112
	313385DD5	FEDERAL HOME ZERO 03/17		7,990,432	7,990,917
	313385CW4	FEDERAL HOME ZERO 03/17		24,468,304	24,475,194
	313385CU8	FEDERAL HOME ZERO 03/17		5,593,652	5,594,559
	313385CT1	FEDERAL HOME ZERO 03/17		9,989,989	9,990,431
	313385CS3	FEDERAL HOME ZERO 03/17		6,292,182	6,293,893
	313385CP9	FEDERAL HOME ZERO 03/17		29,963,194	29,973,058
	313385CN4	FEDERAL HOME ZERO 03/17		14,981,725	14,987,250
	313385CM6	FEDERAL HOME ZERO 03/17		19,974,980	19,983,078
	313586RC5	FEDERAL NATIONAL MORTGAGE ASSOCIATION BO	4,360,000	3,974,545	4,134,588
	3135G0ZY2	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	5,000,000	5,077,140	5,038,250
	3135G0ZA4	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	4,000,000	4,111,400	4,048,720
	3135G0WJ8	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	5,000,000	5,008,350	4,986,000
	3135G0TG8	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	2,000,000	2,005,340	1,998,640
	3135G0J53	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	5,000,000	5,012,900	4,968,900
	3135G0J20	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	5,000,000	5,012,250	4,902,550
	3135G0D75	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	2,000,000	1,990,600	1,990,680
	31359MGK3	FEDERAL NATIONAL MORTGAGE ASSOCIATION NO	2,235,000	2,784,841	3,109,086
	313747AX5	FEDERAL REALTY INVESTMENT TRUST CALLABLE	460,000	449,678	403,728
	313747AV9	FEDERAL REALTY INVESTMENT TRUST CALLABLE	3,450,000	3,410,670	3,492,194
	313747Z06	FEDERAL REALTY INVESTMENT TRUST REIT USD	7,153	515,181	1,016,513
	313589AC7	FEDERAL ZERO 01/17		199,990,000	199,995,000
	314211103	FEDERATED INVESTORS INC COMMON STOCK USD	10,759	255,229	304,265
	31428XAX4	FEDEX CORP CALLABLE BOND FIXED 4.9% 15/J	975,000	973,635	1,039,311
	31428XAZ9	FEDEX CORP CALLABLE NOTES FIXED 2.3% 01/	2,750,000	2,745,023	2,753,245
	31428XBC9	FEDEX CORP CALLABLE NOTES FIXED 3.2% 01/	350,000	349,458	349,318
	31428XBF2	FEDEX CORP CALLABLE NOTES FIXED 3.25% 01	210,000	209,572	208,559
	31428XBA3	FEDEX CORP CALLABLE NOTES FIXED 3.9% 01/	1,885,000	1,877,487	1,810,034
	31428XBB1	FEDEX CORP CALLABLE NOTES FIXED 4.1% 01/	6,550,000	6,328,995	6,133,027
	31428XAU0	FEDEX CORP CALLABLE NOTES FIXED 4.1% 15/	4,310,000	4,226,953	4,025,238
	31428XBD7	FEDEX CORP CALLABLE NOTES FIXED 4.5% 01/	1,635,000	1,572,874	1,510,609
	31428XBG0	FEDEX CORP CALLABLE NOTES FIXED 4.55% 01	12,539,000	12,769,881	12,635,676
	31428XBE5	FEDEX CORP CALLABLE NOTES FIXED 4.75% 15	8,930,000	9,115,191	9,248,533
	31428XAW6	FEDEX CORP CALLABLE NOTES FIXED 5.1% 15/	10,595,000	11,093,627	11,495,999
	31428X106	FEDEX CORP COMMON STOCK USD 0.1	19,961	1,166,745	3,716,738
	N3167Y103	FERRARI NV COMMON STOCK USD 0.01	41	2,195	2,384
	BD6G507	FERRARI NV COMMON STOCK USD 0.01	5,791	306,370	337,776
	G33856108	FERROGLOBE PLC COMMON STOCK USD 7.5	10,800	124,951	116,964
	B038516	FERROVAL SA COMMON STOCK EUR 0.2	20,963	375,837	375,772
	3128LLCU8	FHLMC MORTPASS ARM 01/DEC/2041 2B PN# 2B	85,824	89,338	88,884
	3128HDGU7	FHLMC MORTPASS ARM 01/FEB/2023 84 PN# 84	10,715	10,929	10,961
	31300M2Y8	FHLMC MORTPASS ARM 01/FEB/2045 84 PN# 84	341,527	353,053	350,656
	31300LYV1	FHLMC MORTPASS ARM 01/JUL/2042 84 PN# 84	354,275	365,679	364,564
	31300MYN7	FHLMC MORTPASS ARM 01/MAY/2045 84 PN# 84	284,949	296,346	292,269
	3128S4FZ5	FHLMC MORTPASS ARM 01/NOV/2036 1Q PN# 1Q	949,371	996,839	1,004,444
	31347AKC7	FHLMC MORTPASS ARM 01/NOV/2041 84 PN# 84	6,162,918	6,420,991	6,452,945
	31300LYH2	FHLMC MORTPASS ARM 01/OCT/2039 84 PN# 84	4,680,224	4,914,235	4,935,062
	31349TD40	FHLMC MORTPASS ARM 01/SEP/2034 78 PN# 78	2,605,132	2,751,568	2,753,285
	312910UP5	FHLMC REMICS 1303 L 8.25% 15/JUN/2022	78,307	81,097	86,251
	3133TDCF1	FHLMC REMICS 2046 C 6% 15/APR/2028	255,781	275,733	291,795
	3133TG5S4	FHLMC REMICS 2084 ZA 6.5% 15/AUG/2028	544,383	593,718	594,566
	3133THAE7	FHLMC REMICS 2104 QH 6.5% 15/DEC/2028	1,009,874	1,107,019	1,143,316
	3133TJ5V1	FHLMC REMICS 2121 C 6% 15/FEB/2029	341,684	370,033	392,421
	3133TPNT2	FHLMC REMICS 2253 PH 7.5% 15/SEP/2030	604,826	668,710	688,386
	3133TUF52	FHLMC REMICS 2323 PS FLOATING 15/JUN/203	52,271	64,248	79,231

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
3133TUBQ0	FHLMC REMICS 2325 JS FLOATING 15/JUN/203	151,346	43,948	86,966	
31339D5B0	FHLMC REMICS 2411 SJ FLOATING 15/DEC/202	670,607	-2,368	152,584	
31392RTM3	FHLMC REMICS 2490 ZQ 6.5% 15/AUG/2032	2,339,073	2,551,052	2,661,721	
31393F4B9	FHLMC REMICS 2528 KM 5.5% 15/NOV/2022	26,975	28,974	28,369	
31393JAZ1	FHLMC REMICS 2551 FD FLOATING 15/JAN/203	43,583	43,869	43,605	
31393QQS4	FHLMC REMICS 2614 WO ZEROCPN 15/MAY/2033	525,331	1,169,862	478,391	
31394GWJ8	FHLMC REMICS 2661 GS FLOATING 15/AUG/203	223,646	224,175	271,661	
31394KJP0	FHLMC REMICS 2682 JG 4.5% 15/OCT/2023	2,136,996	2,212,462	2,258,215	
31394MWC0	FHLMC REMICS 2725 SC FLOATING 15/NOV/203	2,635,444	2,187,485	2,790,070	
31395UEH0	FHLMC REMICS 2980 QB 6.5% 15/MAY/2035	215,005	220,514	246,004	
31396NCC8	FHLMC REMICS 3139 ZE 6.3% 15/APR/2036	1,003,511	1,024,702	1,111,917	
31396UR85	FHLMC REMICS 3181 IS FLOATING 15/JUL/203	1,409,504	120,585	259,702	
31397CTW9	FHLMC REMICS 3242 SC FLOATING 15/NOV/203	704,957	166,282	105,648	
31397FPF3	FHLMC REMICS 3289 SA FLOATING 15/MAR/203	501,611	46,486	80,029	
31397HDF2	FHLMC REMICS 3318 F FLOATING 15/MAY/2037	695,692	686,399	691,160	
31397HSA7	FHLMC REMICS 3338 AH 6% 15/JUN/2037	2,010,668	2,171,714	2,265,662	
31397JZ31	FHLMC REMICS 3339 JI FLOATING 15/JUL/203	5,830,630	359,675	992,928	
3137A0UM5	FHLMC REMICS 3716 PI 4.5% 15/APR/2038	1,762,911	257,257	169,196	
3137A4M53	FHLMC REMICS 3770 JZ 4% 15/DEC/2040	8,895,193	9,532,411	9,311,278	
3137A8GB8	FHLMC REMICS 3829 ED 3.5% 15/OCT/2028	203,213	206,086	206,031	
3137AA3P6	FHLMC REMICS 3838 QE 3.5% 15/JAN/2029	301,480	306,921	307,168	
3137AH7H5	FHLMC REMICS 3964 MD 2% 15/JAN/2041	282,567	268,174	281,155	
3137AQEE4	FHLMC REMICS 4056 BI 3% 15/MAY/2027	685,569	72,930	65,429	
3137ATHP0	FHLMC REMICS 4097 CI 3% 15/AUG/2027	1,475,072	181,289	134,444	
3137ATNX6	FHLMC REMICS 4097 PS FLOATING 15/JUN/204	3,562,449	727,094	689,537	
3137AUV63	FHLMC REMICS 4119 LI 3.5% 15/JUN/2039	2,278,620	366,270	279,109	
3137AXEJ8	FHLMC REMICS 4146 AI 3% 15/DEC/2027	1,142,678	132,955	108,772	
3137B1JU7	FHLMC REMICS 4194 GS FLOATING 15/APR/204	329,270	344,705	406,533	
3137B2DY3	FHLMC REMICS 4203 PS FLOATING 15/SEP/204	367,959	69,475	63,564	
3137B4AT3	FHLMC REMICS 4239 VZ 4% 15/AUG/2043	7,311,216	8,146,428	7,761,936	
3137B3UJ5	FHLMC REMICS 4240 DI 4% 15/NOV/2042	3,487,314	870,891	656,249	
3137B4UN4	FHLMC REMICS 4248 ES FLOATING 15/MAY/204	2,639,009	2,861,841	3,205,991	
3137B5HZ9	FHLMC REMICS 4255 SN FLOATING 15/MAY/203	453,265	474,750	528,802	
3137B5QX4	FHLMC REMICS 4265 ES FLOATING 15/NOV/204	1,634,029	1,760,650	1,958,178	
3137BCLN6	FHLMC REMICS 4367 MZ 4% 15/JUL/2044	13,126,773	14,328,788	13,797,294	
3137BG3L1	FHLMC REMICS 4425 A 4% 15/SEP/2040	614,489	665,089	650,056	
3137BG7E3	FHLMC REMICS 4429 AP 3.5% 15/JAN/2045	6,833,951	7,004,800	6,946,374	
3137BHVT1	FHLMC REMICS 4457 DI 4% 15/AUG/2024	3,155,521	271,469	295,922	
3137BM5P7	FHLMC REMICS 4524 CA 2.5% 15/MAY/2041	5,095,729	5,173,417	5,091,836	
3137BMRK6	FHLMC REMICS 4532 ZW 4% 15/MAR/2042	7,220,945	8,019,693	7,520,794	
3137BSTE3	FHLMC REMICS 4629 KA 3% 15/MAR/2045	14,962,943	15,390,790	15,118,788	
3137BTLV1	FHLMC REMICS 4640 LD 4% 15/SEP/2043	1,807,000	1,897,915	1,883,611	
3132HTK88	FHLMC STRIPS 300 300 3% 15/JAN/2043	764,194	786,261	760,281	
31283BD39	FHLMC STRIPS 305 IO 3.5% 15/MAR/2028	2,185,294	398,149	245,999	
31325UUE4	FHLMC STRIPS 314 S2 FLOATING 15/SEP/2043	10,705,339	2,406,136	2,229,387	
3132HTZ66	FHLMC STRIPS 323 300 3% 15/JAN/2044	4,054,418	4,184,916	4,034,511	
3128MMVW0	FHLMCGLD MORTPASS 2% 01/DEC/2031 G1 PN#	999,901	972,989	974,203	
31307SPJ6	FHLMCGLD MORTPASS 2% 01/DEC/2031 J3 PN#	2,934,040	2,855,073	2,858,635	
3128MMVX8	FHLMCGLD MORTPASS 2% 01/JAN/2032 G1 PN#	1,397,002	1,359,403	1,361,099	
31307NFO2	FHLMCGLD MORTPASS 2% 01/JUN/2030 J3 PN#	486,834	491,189	474,385	
3128MMTL7	FHLMCGLD MORTPASS 2% 01/MAY/2030 G1 PN#	56,417	56,922	54,973	
31307SRQ8	FHLMCGLD MORTPASS 2% 01/NOV/2031 J3 PN#	999,900	972,989	974,203	
31307SK36	FHLMCGLD MORTPASS 2% 01/NOV/2031 J3 PN#	999,901	972,989	975,363	
3128MMVF7	FHLMCGLD MORTPASS 2% 01/OCT/2031 G1 PN#	1,999,802	1,945,979	1,948,407	
31307SBW2	FHLMCGLD MORTPASS 2% 01/OCT/2031 J3 PN#	2,668,259	2,596,445	2,599,685	
31307RXS9	FHLMCGLD MORTPASS 2% 01/SEP/2031 J3 PN#	999,901	972,989	974,203	
3128MEVE8	FHLMCGLD MORTPASS 3% 01/APR/2031 G1 PN#	352,426	372,525	364,229	
3128M9WK4	FHLMCGLD MORTPASS 3% 01/AUG/2043 G0 PN#	784,212	803,083	783,891	
3128MDBX0	FHLMCGLD MORTPASS 3% 01/FEB/2027 G1 PN#	211,454	218,029	217,470	
3128PX5W2	FHLMCGLD MORTPASS 3% 01/FEB/2027 J1 PN#	73,080	76,502	75,099	
3132L7QE2	FHLMCGLD MORTPASS 3% 01/FEB/2041 V8 PN#	5,864,326	6,105,313	5,829,492	
31307RJX4	FHLMCGLD MORTPASS 3% 01/JUL/2031 J3 PN#	214,713	225,817	220,710	
31307RFQ3	FHLMCGLD MORTPASS 3% 01/JUL/2031 J3 PN#	364,986	383,862	375,162	
31307Q5Z6	FHLMCGLD MORTPASS 3% 01/JUN/2031 J3 PN#	164,223	172,716	168,793	
3132L7XU8	FHLMCGLD MORTPASS 3% 01/JUN/2041 V8 PN#	9,473,882	9,863,199	9,469,998	
3128MET76	FHLMCGLD MORTPASS 3% 01/MAR/2030 G1 PN#	250,855	264,965	259,241	
31307QYJ0	FHLMCGLD MORTPASS 3% 01/MAY/2031 J3 PN#	178,247	187,466	183,208	
31307Q2H9	FHLMCGLD MORTPASS 3% 01/MAY/2031 J3 PN#	32,914	34,809	34,017	
3128MDKM4	FHLMCGLD MORTPASS 3% 01/NOV/2027 G1 PN#	391,960	410,206	403,193	
31307SHH9	FHLMCGLD MORTPASS 3% 01/NOV/2031 J3 PN#	120,266	126,792	123,654	
31307SGT4	FHLMCGLD MORTPASS 3% 01/NOV/2031 J3 PN#	35,722	37,659	36,920	
31307SFN8	FHLMCGLD MORTPASS 3% 01/NOV/2031 J3 PN#	282,159	297,104	290,034	
31307SFM0	FHLMCGLD MORTPASS 3% 01/NOV/2031 J3 PN#	270,321	284,872	277,933	
3132HQBFB	FHLMCGLD MORTPASS 3% 01/NOV/2042 Q1 PN#	10,360,676	10,793,720	10,356,428	
3132HQBEB	FHLMCGLD MORTPASS 3% 01/NOV/2042 Q1 PN#	10,296,599	10,726,965	10,292,378	
31307RVU6	FHLMCGLD MORTPASS 3% 01/SEP/2031 J3 PN#	145,557	153,085	149,624	
31307R2K0	FHLMCGLD MORTPASS 3% 01/SEP/2031 J3 PN#	263,380	277,290	270,757	
3128MEGJ4	FHLMCGLD MORTPASS 3.5% 01/APR/2030 G1 PN	1,116,804	1,196,857	1,176,643	
3128MEVG3	FHLMCGLD MORTPASS 3.5% 01/APR/2031 G1 PN	351,175	376,252	370,276	
31307NYT5	FHLMCGLD MORTPASS 3.5% 01/AUG/2030 J3 PN	412,264	437,901	434,171	
31307NSN5	FHLMCGLD MORTPASS 3.5% 01/AUG/2030 J3 PN	65,798	70,111	69,321	
3132HLSV6	FHLMCGLD MORTPASS 3.5% 01/AUG/2042 Q1 PN	176,700	187,772	181,991	
3132HLLD3	FHLMCGLD MORTPASS 3.5% 01/AUG/2042 Q1 PN	546,868	580,962	563,181	
3128MEA43	FHLMCGLD MORTPASS 3.5% 01/DEC/2029 G1 PN	3,493,750	3,670,075	3,674,307	
3128MER37	FHLMCGLD MORTPASS 3.5% 01/DEC/2030 G1 PN	678,947	721,275	713,267	
31307PU56	FHLMCGLD MORTPASS 3.5% 01/DEC/2030 J3 PN	23,760	25,128	24,962	
3132J4EA3	FHLMCGLD MORTPASS 3.5% 01/DEC/2035 G3 PN	272,611	284,581	284,254	
3132QUZM8	FHLMCGLD MORTPASS 3.5% 01/DEC/2045 Q3 PN	80,085	84,928	82,310	
3128MEC33	FHLMCGLD MORTPASS 3.5% 01/FEB/2030 G1 PN	421,746	449,885	442,543	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
31307QFW2	FHLMCGLD MORTPASS 3.5% 01/FEB/2031 J3 PN	121,231	129,945	127,816	
3128METV3	FHLMCGLD MORTPASS 3.5% 01/JAN/2031 G1 PN	563,373	598,143	593,406	
3128MERS2	FHLMCGLD MORTPASS 3.5% 01/JAN/2031 G1 PN	650,599	693,396	685,328	
31307PZD4	FHLMCGLD MORTPASS 3.5% 01/JAN/2031 J3 PN	60,996	64,598	64,267	
31307P7F0	FHLMCGLD MORTPASS 3.5% 01/JAN/2031 J3 PN	323,649	343,068	341,175	
3128MEPN5	FHLMCGLD MORTPASS 3.5% 01/JUL/2030 G1 PN	396,151	418,001	417,219	
31307NQA5	FHLMCGLD MORTPASS 3.5% 01/JUL/2030 J3 PN	356,052	378,472	374,983	
31307RMJ1	FHLMCGLD MORTPASS 3.5% 01/JUL/2031 J3 PN	146,877	158,444	155,076	
3128P7TY9	FHLMCGLD MORTPASS 3.5% 01/JUL/2032 C9 PN	1,567,928	1,664,943	1,626,019	
3132GVD90	FHLMCGLD MORTPASS 3.5% 01/JUL/2042 Q0 PN	157,492	167,360	162,239	
31307NHJ6	FHLMCGLD MORTPASS 3.5% 01/JUN/2030 J3 PN	291,536	309,575	307,011	
31307RFB6	FHLMCGLD MORTPASS 3.5% 01/JUN/2031 J3 PN	230,572	247,288	243,376	
3132GUGQ1	FHLMCGLD MORTPASS 3.5% 01/JUN/2042 Q0 PN	49,090	52,426	50,560	
3128MJYH7	FHLMCGLD MORTPASS 3.5% 01/JUN/2046 G0 PN	1,180,759	1,245,055	1,210,148	
3128P75V1	FHLMCGLD MORTPASS 3.5% 01/MAY/2034 C9 PN	75,965	80,820	78,571	
3132GUMW1	FHLMCGLD MORTPASS 3.5% 01/MAY/2042 Q0 PN	35,677	38,102	36,754	
3132GTU96	FHLMCGLD MORTPASS 3.5% 01/MAY/2042 Q0 PN	112,691	119,893	116,093	
3132GTL70	FHLMCGLD MORTPASS 3.5% 01/MAY/2042 Q0 PN	42,109	44,971	43,380	
3132GTH59	FHLMCGLD MORTPASS 3.5% 01/MAY/2042 Q0 PN	83,480	89,154	85,988	
31307J3V3	FHLMCGLD MORTPASS 3.5% 01/NOV/2029 J2 PN	128,923	136,598	134,936	
31307PUB3	FHLMCGLD MORTPASS 3.5% 01/NOV/2030 J3 PN	61,240	64,666	64,335	
31307PUA5	FHLMCGLD MORTPASS 3.5% 01/NOV/2030 J3 PN	290,046	306,656	305,549	
31307PTR0	FHLMCGLD MORTPASS 3.5% 01/NOV/2030 J3 PN	483,780	511,521	509,715	
31307PRU5	FHLMCGLD MORTPASS 3.5% 01/NOV/2030 J3 PN	89,994	95,127	94,836	
31307PQC6	FHLMCGLD MORTPASS 3.5% 01/NOV/2030 J3 PN	93,993	99,765	98,399	
3132LPSX8	FHLMCGLD MORTPASS 3.5% 01/NOV/2035 K9 PN	28,588	29,897	29,882	
31307PKF5	FHLMCGLD MORTPASS 3.5% 01/OCT/2030 J3 PN	108,571	115,814	114,391	
31307PHL6	FHLMCGLD MORTPASS 3.5% 01/OCT/2030 J3 PN	125,653	134,017	132,339	
31307PPF9	FHLMCGLD MORTPASS 3.5% 01/OCT/2030 J3 PN	58,550	62,406	61,672	
31307PFF1	FHLMCGLD MORTPASS 3.5% 01/OCT/2030 J3 PN	107,711	114,569	113,109	
31307PFD6	FHLMCGLD MORTPASS 3.5% 01/OCT/2030 J3 PN	75,546	80,521	79,545	
31307PET2	FHLMCGLD MORTPASS 3.5% 01/OCT/2030 J3 PN	156,200	166,060	164,523	
3128PWFK9	FHLMCGLD MORTPASS 3.5% 01/SEP/2026 J1 PN	34,996	36,762	36,649	
31307PFM6	FHLMCGLD MORTPASS 3.5% 01/SEP/2030 J3 PN	52,248	55,574	54,883	
3132WDD92	FHLMCGLD MORTPASS 4% 01/APR/2046 Q4 PN#	105,789	114,269	111,675	
3132H3EE9	FHLMCGLD MORTPASS 4% 01/AUG/2042 U9 PN#	5,872,086	6,308,822	6,222,884	
3128M96X5	FHLMCGLD MORTPASS 4% 01/AUG/2044 G0 PN#	6,078,869	6,519,587	6,439,042	
3132M8QG4	FHLMCGLD MORTPASS 4% 01/AUG/2044 Q2 PN#	144,804	156,072	153,151	
3132QUSK0	FHLMCGLD MORTPASS 4% 01/DEC/2045 Q3 PN#	177,755	190,086	187,586	
3132QUNY5	FHLMCGLD MORTPASS 4% 01/DEC/2045 Q3 PN#	184,519	195,922	194,725	
3128MAD63	FHLMCGLD MORTPASS 4% 01/FEB/2045 G0 PN#	660,281	714,035	699,244	
3128MJXY1	FHLMCGLD MORTPASS 4% 01/FEB/2046 G0 PN#	586,547	626,277	616,385	
3132QVUG4	FHLMCGLD MORTPASS 4% 01/FEB/2046 Q3 PN#	223,663	239,949	236,045	
3132HBXZ3	FHLMCGLD MORTPASS 4% 01/JUL/2043 U9 PN#	628,196	647,630	665,931	
3129882Y3	FHLMCGLD MORTPASS 4% 01/JUN/2039 B7 PN#	20,869	22,597	22,199	
3132WENV0	FHLMCGLD MORTPASS 4% 01/JUN/2046 Q4 PN#	317,448	341,902	335,111	
3132WD4E1	FHLMCGLD MORTPASS 4% 01/JUN/2046 Q4 PN#	227,568	245,169	240,230	
3128MJX54	FHLMCGLD MORTPASS 4% 01/MAR/2046 G0 PN#	173,924	185,990	182,786	
3132QUED1	FHLMCGLD MORTPASS 4% 01/NOV/2045 Q3 PN#	101,236	108,259	106,835	
3132QTYR1	FHLMCGLD MORTPASS 4% 01/NOV/2045 Q3 PN#	95,788	102,433	101,086	
3132QT6K7	FHLMCGLD MORTPASS 4% 01/NOV/2045 Q3 PN#	212,653	227,405	224,414	
3128MEAB7	FHLMCGLD MORTPASS 4% 01/OCT/2029 G1 PN#	227,789	246,012	244,917	
3132QTO90	FHLMCGLD MORTPASS 4% 01/OCT/2045 Q3 PN#	115,954	123,998	122,367	
3132QTEW2	FHLMCGLD MORTPASS 4% 01/OCT/2045 Q3 PN#	154,967	165,331	162,899	
3132QS6U7	FHLMCGLD MORTPASS 4% 01/SEP/2045 Q3 PN#	95,643	102,278	100,539	
3128MEA35	FHLMCGLD MORTPASS 4.5% 01/AUG/2020 G1 PN	887,162	924,660	910,220	
3132GREJ6	FHLMCGLD MORTPASS 4.5% 01/FEB/2042 Q0 PN	51,108	56,251	55,076	
3129882U1	FHLMCGLD MORTPASS 4.5% 01/JUL/2039 B7 PN	25,538	28,419	27,280	
3129882T4	FHLMCGLD MORTPASS 4.5% 01/JUN/2039 B7 PN	23,163	25,776	24,738	
3128M95X6	FHLMCGLD MORTPASS 4.5% 01/JUN/2044 G0 PN	281,555	309,886	304,327	
3128PQCT6	FHLMCGLD MORTPASS 4.5% 01/OCT/2024 J1 PN	940,941	972,477	998,800	
3128LXBF6	FHLMCGLD MORTPASS 5% 01/JUL/2035 G0 PN#	799,518	855,485	878,223	
3128MAFZ7	FHLMCGLD MORTPASS 5% 01/JUN/2044 G0 PN#	493,882	558,858	550,066	
3128LXAT7	FHLMCGLD MORTPASS 5% 01/MAY/2035 G0 PN#	155,304	167,971	169,804	
3132FYA49	FHLMCGLD MORTPASS 5% 01/MAY/2044 U6 PN#	116,309	131,284	129,023	
31283HXS9	FHLMCGLD MORTPASS 5% 01/SEP/2033 G0 PN#	293,120	302,119	323,006	
3128M7AX4	FHLMCGLD MORTPASS 5.5% 01/JAN/2039 G0 PN	304,409	330,593	339,778	
3128LXBX7	FHLMCGLD MORTPASS 5.5% 01/JUN/2035 G0 PN	285,889	314,835	321,350	
3128LCQ58	FHLMCGLD MORTPASS 5.5% 01/JUN/2038 A7 PN	445,314	482,192	493,270	
3128M7ZR0	FHLMCGLD MORTPASS 5.5% 01/MAR/2039 G0 PN	494,417	535,361	548,971	
3128M86H2	FHLMCGLD MORTPASS 5.5% 01/SEP/2039 G0 PN	175,747	191,509	198,348	
3128CUCN4	FHLMCGLD MORTPASS 7% 01/AUG/2017 G3 PN#	1,074	1,181	1,079	
31292GUE4	FHLMCGLD MORTPASS 7% 01/FEB/2028 C0 PN#	31,899	35,377	36,639	
3128M9PU0	FHLMCGLD MORTPASS 7% 01/MAR/2039 G0 PN#	559,642	660,728	664,878	
31292GWK8	FHLMCGLD MORTPASS 7% 01/SEP/2028 C0 PN#	88,812	98,378	101,881	
3128FESV2	FHLMCGLD MORTPASS 8% 01/JUL/2026 D7 PN#	11,319	11,425	11,570	
BRJFWP3	FIAT CHRYSLER AUTOMOBILES NV COMMON STOC	120,009	981,977	1,096,811	
31572UAE6	FIBRIA OVERSEAS FINANCE LTD CALLABLE NOT	3,650,000	3,680,836	3,668,250	
31572Q808	FIBROGEN INC COMMON STOCK USD 0.01	115	2,491	2,461	
BDQZFY5	FIDELITY ASIAN VALUES PLC CLOSED-END FUN	55,420	0	17,719	
332231	FIDELITY ASIAN VALUES PLC CLOSED-END FUN	277,102	938,299	1,188,132	
B6223C7	FIDELITY CHINA SPECIAL SITUATIONS PLC CL	564,311	1,013,454	1,188,881	
BK1PKQ9	FIDELITY EUROPEAN VALUES PLC CLOSED-END	2,623,479	5,227,767	5,948,523	
315990515	FIDELITY GROWTH FUND II - BULLSHEAD LLC	100	16,617,742	0	
332855	FIDELITY JAPANESE VALUES PLC CLOSED-END	2,445,003	1,902,305	3,066,485	
31620RAF2	FIDELITY NATIONAL FINANCIAL INC CALLABLE	1,500,000	1,595,970	1,586,610	
31620MAU0	FIDELITY NATIONAL INFORMATION SERVICES I	3,762,000	3,679,766	3,581,612	
31620MAT3	FIDELITY NATIONAL INFORMATION SERVICES I	4,315,000	4,246,952	4,051,483	
31620MAS5	FIDELITY NATIONAL INFORMATION SERVICES I	900,000	899,874	877,527	

IBM
Personal Pension Plan
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at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
31620MAR7	FIDELITY NATIONAL INFORMATION SERVICES I	1,145,000	1,152,495	1,247,054	
31620MAP1	FIDELITY NATIONAL INFORMATION SERVICES I	4,795,000	4,788,719	4,964,120	
31620MAN6	FIDELITY NATIONAL INFORMATION SERVICES I	1,675,000	1,674,297	1,704,128	
31620MAM8	FIDELITY NATIONAL INFORMATION SERVICES I	100,000	99,622	102,026	
31620MAL0	FIDELITY NATIONAL INFORMATION SERVICES I	150,000	149,864	150,060	
31620MAH9	FIDELITY NATIONAL INFORMATION SERVICES I	2,163,000	2,235,519	2,222,720	
31620M106	FIDELITY NATIONAL INFORMATION SERVICES I	97,121	5,714,988	7,346,232	
4409205	FIELMANN AG COMMON STOCK EUR 0	5,578	265,430	369,183	
316996446	FIFTH CINVEN FUND (NO.2)	100	35,134,679	52,271,596	
31678A103	FIFTH STREET FINANCE CORP COMMON STOCK U	10,971	55,812	58,914	
316773CQ1	FIFTH THIRD BANCORP CALLABLE NOTES FIXED	1,475,000	1,484,868	1,487,759	
316773CL2	FIFTH THIRD BANCORP CALLABLE NOTES FIXED	730,000	749,761	748,068	
316773100	FIFTH THIRD BANCORP COMMON STOCK USD 0	61,042	1,274,365	1,646,303	
316773CF5	FIFTH THIRD BANCORP NOTES FIXED 5.45% 15	2,225,000	2,455,688	2,228,048	
316773CH1	FIFTH THIRD BANCORP NOTES FIXED 8.25% 01	3,610,000	4,856,288	5,018,044	
31677QBG3	FIFTH THIRD BANK/CINCINNATI OH CALLABLE	1,310,000	1,310,793	1,295,105	
31677QBD0	FIFTH THIRD BANK/CINCINNATI OH CALLABLE	4,680,000	4,679,204	4,709,578	
31677QBA6	FIFTH THIRD BANK/CINCINNATI OH CALLABLE	1,320,000	1,319,393	1,320,330	
31677AAB0	FIFTH THIRD BANK/CINCINNATI OH CALLABLE	1,580,000	1,578,436	1,589,986	
5452877	FILMS PLC FRN 31/MAR/2008 ITL200000000	2,400,000,000	530,903	0	
2339177	FINNING INTERNATIONAL INC COMMON STOCK C	61,219	1,172,104	1,200,140	
31816Q101	FIREEYE INC COMMON STOCK USD 0.0001	12,257	491,465	145,858	
31847RAF9	FIRST AMERICAN FINANCIAL CORP CALLABLE N	2,000,000	1,999,500	1,976,040	
31847RAE2	FIRST AMERICAN FINANCIAL CORP CALLABLE N	500,000	517,800	491,330	
31847R102	FIRST AMERICAN FINANCIAL CORP COMMON STO	8,534	331,578	312,600	
318672706	FIRST BANCORP/PUERTO RICO COMMON STOCK U	2,200	13,352	14,542	
2185596	FIRST CAPITAL REALTY INC COMMON STOCK CA	14,051	204,962	216,572	
32008D106	FIRST DATA CORP COMMON STOCK USD 0.01	25,137	342,341	356,694	
6122782	FIRST GULF BANK PJSC COMMON STOCK AED 1	162,791	497,191	569,540	
32051GAA3	FIRST HORIZON ALTERNATIVE MORTGAGE SECUR	207,939	205,347	203,514	
32051GY0	FIRST HORIZON ALTERNATIVE MORTGAGE SECUR	4,035,550	249,482	727,056	
32055GAE1	FIRST HORIZON MORTGAGE PASS-THROUGH TRUS	417,950	350,207	348,179	
32051GQL2	FIRST HORIZON MORTGAGE PASS-THROUGH TRUS	53,080	52,217	45,663	
320517AB1	FIRST HORIZON NATIONAL CORP CALLABLE NOT	4,280,000	4,341,350	4,318,991	
320517105	FIRST HORIZON NATIONAL CORP COMMON STOCK	18,646	256,767	373,106	
32055TAG8	FIRST INDUSTRIAL LP CALLABLE MEDIUM TERM	3,100,000	3,614,600	3,247,808	
32057HAA5	FIRST INVESTORS AUTO OWNER TRUST 2016-2	379,605	379,573	379,154	
320816101	FIRST MERCHANT ACCEPTANCE CORP COM STK U	15,100	30	3	
32115BAA8	FIRST NLC TRUST 2007-1 2007-1 A1 FLOATIN	703,058	703,058	390,260	
6339872	FIRST PACIFIC CO LTD/HONG KONG COMMON ST	841,250	588,011	588,093	
2347608	FIRST QUANTUM MINERALS LTD COMMON STOCK	167,278	1,439,444	1,665,233	
33616CAA8	FIRST REPUBLIC BANK/CA CALLABLE BOND FIX	1,980,000	1,977,307	1,976,674	
33616CAB6	FIRST REPUBLIC BANK/CA CALLABLE NOTES FI	625,000	612,106	568,006	
33616C100	FIRST REPUBLIC BANK/CA COMMON STOCK	11,674	451,828	1,075,642	
336433107	FIRST SOLAR INC COMMON STOCK USD 0.001	6,022	280,799	193,246	
33740D107	FIRST TRUST DYNAMIC EUROPE EQUITY INCOME	118,095	1,813,122	1,832,834	
33735YAA6	FIRST UNION CAPITAL II CALLABLE BOND FIX	1,040,000	1,333,438	1,319,968	
337932AE7	FIRSTENERGY CORP CALLABLE NOTES FIXED 2.	3,781,000	3,816,637	3,815,331	
337932AF4	FIRSTENERGY CORP CALLABLE NOTES FIXED 4.	1,000,000	1,032,940	1,033,800	
337932AC1	FIRSTENERGY CORP CALLABLE NOTES FIXED 7.	13,940,000	15,701,311	17,967,266	
337932107	FIRSTENERGY CORP COMMON STOCK USD 0.1	142,213	4,722,544	4,404,337	
33767BAB5	FIRSTENERGY TRANSMISSION LLC CALLABLE NO	3,775,000	3,774,660	3,905,842	
33767BAA7	FIRSTENERGY TRANSMISSION LLC CALLABLE NO	11,579,000	11,965,276	12,291,919	
6606996	FIRSTRAND LTD COMMON STOCK ZAR 1	483,208	1,610,962	1,878,769	
337738AP3	FISERV INC CALLABLE NOTES FIXED 3.85% 01	2,700,000	2,698,191	2,746,008	
337738108	FISERV INC COMMON STOCK USD 0.01	21,971	421,178	2,335,078	
33812L102	FITBIT INC COMMON STOCK USD 0.0001	10,075	214,634	73,749	
33832D106	FIVE STAR SENIOR LIVING INC COMMON STOCK	12,900	80,843	34,830	
33843LAA3	FLAGSHIP CREDIT AUTO TRUST 2015-3 2015-3	224,954	224,953	225,836	
33843NAA9	FLAGSHIP CREDIT AUTO TRUST 2016-2 2016-2	231,393	231,388	232,234	
33843PAA4	FLAGSHIP CREDIT AUTO TRUST 2016-3 2016-3	519,157	519,150	519,318	
33844FAA5	FLAGSHIP CREDIT AUTO TRUST 2016-4 2016-4	331,147	331,123	330,839	
337930705	FLAGSTAR BANCORP INC COMMON STOCK USD 0.	32,689	554,015	880,642	
338915AM3	FLEETBOSTON FINANCIAL CORP BOND FIXED 6.	2,500,000	2,805,625	2,908,425	
338915AH4	FLEETBOSTON FINANCIAL CORP BOND FIXED 6.	1,400,000	1,495,088	1,655,108	
339041105	FLEETCOR TECHNOLOGIES INC COMMON STOCK U	7,313	532,792	1,034,936	
6341606	FLETCHER BUILDING LTD COMMON STOCK NZD 0	181,795	990,723	1,343,716	
Y2573F102	FLEX LTD	291,200	3,313,476	4,184,544	
33938EAU1	FLEX LTD CALLABLE NOTES FIXED 4.75% 15/J	2,300,000	2,281,899	2,433,446	
338906AD2	FLEXI-VAN LEASING INC CALLABLE NOTES FIX	700,000	684,200	637,000	
6352147	FLIGHT CENTRE TRAVEL GROUP LTD COMMON ST	16,519	422,731	374,392	
302445101	FLIR SYSTEMS INC COMMON STOCK USD 0.01	11,060	415,792	400,261	
30288*AA8	FLNG LIQUEFACTION 2 LLC	10,000,000	10,000,000	9,908,700	
340711AW0	FLORIDA GAS TRANSMISSION CO LLC CALLABLE	1,910,000	1,905,703	1,925,070	
341081FL6	FLORIDA POWER & LIGHT CO CALLABLE BOND F	1,050,000	1,046,535	1,075,820	
341081FK8	FLORIDA POWER & LIGHT CO CALLABLE BOND F	975,000	987,480	994,958	
341081FH5	FLORIDA POWER & LIGHT CO CALLABLE BOND F	300,000	265,068	295,014	
341081FG7	FLORIDA POWER & LIGHT CO CALLABLE BOND F	230,000	244,011	234,471	
341081FE2	FLORIDA POWER & LIGHT CO CALLABLE BOND F	4,500,000	4,891,905	5,261,220	
341081FC6	FLORIDA POWER & LIGHT CO CALLABLE BOND F	1,470,000	1,770,008	1,826,798	
341081FB8	FLORIDA POWER & LIGHT CO CALLABLE BOND F	500,000	673,129	645,740	
341081FA0	FLORIDA POWER & LIGHT CO CALLABLE BOND F	3,775,000	4,549,419	4,838,418	
341081ER4	FLORIDA POWER & LIGHT CO CALLABLE BOND F	2,810,000	3,860,618	3,504,239	
341081FD4	FLORIDA POWER & LIGHT CO CALLABLE NOTES	6,819,000	6,873,473	8,033,941	
341271AB0	FLORIDA ST BRD ADMIN FIN CORP REV SER A	1,860,000	1,860,000	1,866,956	
343498101	FLOWERS FOODS INC COMMON STOCK USD 0.01	13,801	134,787	275,606	
34354P105	FLOWERVE CORP COMMON STOCK USD 1.25	10,470	204,384	503,084	
343412102	FLUOR CORP COMMON STOCK USD 0.01	15,150	497,482	795,678	
302491303	FMC CORP COMMON STOCK USD 0.1	16,973	444,424	959,993	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
30249UAA9	FMC TECHNOLOGIES INC CALLABLE NOTES FIXE	3,500,000	3,465,350	3,502,520	
30249U101	FMC TECHNOLOGIES INC COMMON STOCK EUR 0.	47,728	993,753	1,695,776	
30251BAB4	FMR LLC CALLABLE BOND FIXED 6.45% 15/NOV	3,750,000	3,649,800	4,571,813	
30251BAD0	FMR LLC CALLABLE NOTES FIXED 4.95% 01/FE	2,325,000	2,369,706	2,407,979	
302520101	FNB CORP/PA COMMON STOCK USD 0.01	400	6,135	6,412	
31620R303	FNF GROUP TRACKING STK USD 0.0001	78,528	2,292,980	2,666,811	
31620R402	FNFV GROUP TRACKING STK USD 0.0001	269	3,431	3,685	
3136FG4D6	FNMA INTEREST STRIP 407 22 5% 25/JAN/203	22,653	26,413	4,386	
3136FG5L7	FNMA INTEREST STRIP 407 C10 5% 25/JAN/20	456,941	136,717	89,355	
3138W9LU2	FNMA MORTPASS 2% 01/AUG/2028 CI PN# AS03	28,471	27,613	27,891	
3138XCCE0	FNMA MORTPASS 2% 01/DEC/2026 CI PN# AV09	372,353	361,124	362,944	
31418AP85	FNMA MORTPASS 2% 01/FEB/2028 CI PN# MA13	331,291	321,300	324,565	
3138WWJE0	FNMA MORTPASS 2% 01/JUL/2028 CI PN# AT83	417,109	404,531	408,613	
3140FKR36	FNMA MORTPASS 2.5% 01/OCT/2031 CI PN# BE	98,515	101,656	98,759	
3138L4EW9	FNMA MORTPASS 2.98% 01/JUN/2025 HY PN# A	14,717,498	14,777,288	14,840,684	
3138ETJH0	FNMA MORTPASS 3% 01/APR/2031 CI PN# AL83	217,770	230,190	224,998	
3138YEQP5	FNMA MORTPASS 3% 01/APR/2045 CL PN# AY13	151,777	153,212	150,944	
3140FBDA5	FNMA MORTPASS 3% 01/AUG/2031 CI PN# BD36	303,055	318,729	311,526	
3140FBCS7	FNMA MORTPASS 3% 01/AUG/2031 CI PN# BD36	293,660	308,848	302,235	
3138X2RR7	FNMA MORTPASS 3% 01/AUG/2043 CL PN# AU31	384,152	383,521	384,044	
3138WJN38	FNMA MORTPASS 3% 01/DEC/2046 CL PN# AS85	5,018,170	4,941,329	5,002,764	
3138WAR82	FNMA MORTPASS 3% 01/JAN/2029 CI PN# AS14	765,367	796,280	786,575	
31410LRW4	FNMA MORTPASS 3% 01/JAN/2031 CI PN# 8907	809,258	845,232	831,626	
3138WGHQ0	FNMA MORTPASS 3% 01/JAN/2031 CI PN# AS65	4,794,405	5,021,390	4,924,238	
3138MLTX2	FNMA MORTPASS 3% 01/JAN/2043 CL PN# AQ50	386,162	385,528	386,053	
3138E4BW0	FNMA MORTPASS 3% 01/JUL/2027 CI PN# AK00	154,388	164,712	158,791	
3138X0Y28	FNMA MORTPASS 3% 01/JUL/2043 CL PN# AU16	1,403,140	1,463,212	1,402,748	
3138ETV86	FNMA MORTPASS 3% 01/JUN/2031 CV PN# AL87	1,375,122	1,452,903	1,416,789	
3138W65P7	FNMA MORTPASS 3% 01/MAR/2028 CI PN# AR89	164,105	169,221	168,768	
3138EH4D1	FNMA MORTPASS 3% 01/MAY/2027 CI PN# AL17	241,676	257,035	248,568	
3138WHCT7	FNMA MORTPASS 3% 01/MAY/2031 CI PN# AS72	273,897	289,668	282,969	
31417GFP6	FNMA MORTPASS 3% 01/MAY/2043 CL PN# AB91	74,168	72,203	74,147	
3138W6PV2	FNMA MORTPASS 3% 01/MAY/2043 CL PN# AR85	358,449	357,861	358,349	
3138WQAX0	FNMA MORTPASS 3% 01/MAY/2043 CL PN# AT27	1,917,736	1,842,825	1,917,199	
31417AJC4	FNMA MORTPASS 3% 01/NOV/2026 CI PN# AB38	225,636	232,758	232,067	
3138ERAZ3	FNMA MORTPASS 3% 01/NOV/2028 CI PN# AL90	951,509	980,500	978,617	
3138WJKJ6	FNMA MORTPASS 3% 01/NOV/2031 CI PN# AS83	854,584	899,249	878,555	
3138WJKH0	FNMA MORTPASS 3% 01/NOV/2031 CI PN# AS83	1,004,871	1,058,490	1,033,369	
3140FG6M6	FNMA MORTPASS 3% 01/NOV/2031 CI PN# BD89	175,143	184,099	180,326	
3140FG5J4	FNMA MORTPASS 3% 01/NOV/2031 CI PN# BD89	215,822	227,322	221,833	
3140FNGH1	FNMA MORTPASS 3% 01/NOV/2031 CI PN# BE28	247,765	259,399	254,668	
3140FNGG3	FNMA MORTPASS 3% 01/NOV/2031 CI PN# BE28	283,175	296,582	291,098	
3140FNGJ7	FNMA MORTPASS 3% 01/NOV/2031 CI PN# BE29	459,767	481,175	472,461	
3138WJGQ5	FNMA MORTPASS 3% 01/NOV/2041 CL PN# AS83	17,924,453	18,521,001	17,919,434	
3138WFFB0	FNMA MORTPASS 3% 01/OCT/2030 CI PN# AS59	514,165	532,562	528,176	
3138ERLZ1	FNMA MORTPASS 3% 01/OCT/2031 CI PN# AL93	81,194	85,501	83,616	
3138ERL99	FNMA MORTPASS 3% 01/OCT/2031 CI PN# AL93	206,587	217,029	212,382	
3138ERL81	FNMA MORTPASS 3% 01/OCT/2031 CI PN# AL93	105,937	111,491	108,937	
3138ERL73	FNMA MORTPASS 3% 01/OCT/2031 CI PN# AL93	90,820	95,567	93,479	
3138WJDC9	FNMA MORTPASS 3% 01/OCT/2031 CI PN# AS81	687,109	723,074	706,348	
3138WJDW5	FNMA MORTPASS 3% 01/OCT/2031 CI PN# AS82	311,410	327,443	320,027	
3140FEDS0	FNMA MORTPASS 3% 01/OCT/2031 CI PN# BD64	138,894	146,078	142,780	
3140FG4H9	FNMA MORTPASS 3% 01/OCT/2031 CI PN# BD89	285,640	300,413	293,592	
3140FG4G1	FNMA MORTPASS 3% 01/OCT/2031 CI PN# BD89	360,384	380,852	371,793	
3138WJAM0	FNMA MORTPASS 3% 01/OCT/2041 CL PN# AS81	14,884,913	15,475,658	14,880,746	
3138M5SK6	FNMA MORTPASS 3% 01/OCT/2042 CL PN# AP23	210,847	204,497	210,788	
31418CCP7	FNMA MORTPASS 3% 01/OCT/2046 CK PN# MA27	15,572,728	15,840,384	15,371,840	
3138WH5S7	FNMA MORTPASS 3% 01/OCT/2046 CL PN# AS80	14,862,220	15,334,792	14,780,626	
3138EQUE0	FNMA MORTPASS 3% 01/SEP/2027 CI PN# AL77	348,895	359,988	358,838	
3138WFK54	FNMA MORTPASS 3% 01/SEP/2030 CI PN# AS57	862,231	902,648	886,658	
3138WJDX3	FNMA MORTPASS 3% 01/SEP/2030 CI PN# AS82	115,896	119,481	119,138	
3138ERED8	FNMA MORTPASS 3% 01/SEP/2031 CI PN# AL91	1,185,724	1,253,347	1,225,185	
3140FECX0	FNMA MORTPASS 3% 01/SEP/2031 CI PN# BD63	163,617	172,079	168,197	
3140FEB37	FNMA MORTPASS 3% 01/SEP/2031 CI PN# BD63	342,233	359,933	351,806	
3138X4HN3	FNMA MORTPASS 3% 01/SEP/2043 CL PN# AU47	430,767	419,358	430,646	
31418CBM5	FNMA MORTPASS 3% 01/SEP/2046 CK PN# MA27	14,759,320	15,042,975	14,569,515	
3138L4A45	FNMA MORTPASS 3.02% 01/JUN/2025 HY PN# A	2,478,013	2,508,407	2,506,535	
3138L4DC4	FNMA MORTPASS 3.05% 01/JUN/2025 HY PN# A	4,237,014	4,298,583	4,294,850	
3138L4ET6	FNMA MORTPASS 3.13% 01/JUN/2025 HY PN# A	2,820,208	2,859,868	2,862,765	
3138L4KV4	FNMA MORTPASS 3.43% 01/JUL/2028 HY PN# A	4,256,855	4,347,313	4,387,157	
3138LC7K5	FNMA MORTPASS 3.44% 01/FEB/2032 HY PN# A	5,000,000	5,018,750	5,039,850	
3138ETY59	FNMA MORTPASS 3.5% 01/APR/2031 CI PN# AL	543,945	581,766	572,861	
3138ETN69	FNMA MORTPASS 3.5% 01/APR/2031 CI PN# AL	656,711	702,989	690,381	
3140EU5Z8	FNMA MORTPASS 3.5% 01/APR/2031 CI PN# BC	215,160	230,322	227,007	
3138WGXp4	FNMA MORTPASS 3.5% 01/APR/2046 CL PN# AS	4,999,802	5,112,689	5,128,547	
3140F3BD9	FNMA MORTPASS 3.5% 01/APR/2046 CL PN# BC	75,094	79,775	77,206	
3140F3A81	FNMA MORTPASS 3.5% 01/APR/2046 CL PN# BC	138,270	146,890	142,159	
3140EU4G1	FNMA MORTPASS 3.5% 01/APR/2046 CL PN# BC	23,167,730	23,691,588	23,763,373	
3138ELQF3	FNMA MORTPASS 3.5% 01/AUG/2028 CI PN# AL	14,589	15,325	15,263	
3138XZA84	FNMA MORTPASS 3.5% 01/AUG/2029 CI PN# AW	103,647	109,170	108,078	
3138EQHG0	FNMA MORTPASS 3.5% 01/AUG/2030 CI PN# AL	918,186	964,956	963,370	
3138WFKT2	FNMA MORTPASS 3.5% 01/AUG/2030 CI PN# AS	366,282	384,940	384,600	
3138YNL47	FNMA MORTPASS 3.5% 01/AUG/2030 CI PN# AY	265,663	282,474	279,804	
3138ERTJ9	FNMA MORTPASS 3.5% 01/AUG/2031 CI PN# AL	2,009,000	2,109,607	2,113,749	
3138ERHF0	FNMA MORTPASS 3.5% 01/AUG/2031 CI PN# AL	1,693,787	1,783,769	1,783,829	
3138WH5J2	FNMA MORTPASS 3.5% 01/AUG/2031 CI PN# AS	246,419	265,593	260,006	
3140FBSE1	FNMA MORTPASS 3.5% 01/AUG/2031 CI PN# BD	116,545	122,372	122,543	
3138EQVS8	FNMA MORTPASS 3.5% 01/AUG/2034 CR PN# AL	9,346,348	9,775,696	9,708,332	
3138M4DH2	FNMA MORTPASS 3.5% 01/AUG/2042 CL PN# AP	313,731	334,614	323,557	

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
3138WCPU1	FNMA MORTPASS 3.5% 01/AUG/2044 CL PN# AS	335,643	354,155	345,074	
3140FFWV9	FNMA MORTPASS 3.5% 01/AUG/2046 CL PN# BD	43,816	46,547	45,059	
3140FFWQ0	FNMA MORTPASS 3.5% 01/AUG/2046 CL PN# BD	63,722	67,695	65,531	
3140FDCN4	FNMA MORTPASS 3.5% 01/AUG/2046 CL PN# BD	136,220	145,372	140,086	
3140FDCM6	FNMA MORTPASS 3.5% 01/AUG/2046 CL PN# BD	83,389	89,434	85,824	
3138WAQM2	FNMA MORTPASS 3.5% 01/DEC/2028 CI PN# AS	1,179,139	1,241,965	1,228,451	
3138WDNE7	FNMA MORTPASS 3.5% 01/DEC/2029 CI PN# AS	402,961	428,658	423,613	
3138Y9QC5	FNMA MORTPASS 3.5% 01/DEC/2029 CI PN# AX	795,629	838,022	833,517	
3138EQU42	FNMA MORTPASS 3.5% 01/DEC/2030 CI PN# AL	148,417	157,809	155,554	
3140F9UX1	FNMA MORTPASS 3.5% 01/DEC/2031 CI PN# BD	74,000	77,885	77,715	
3138MNZL7	FNMA MORTPASS 3.5% 01/DEC/2042 CL PN# AQ	146,420	157,871	151,013	
3138MNYA2	FNMA MORTPASS 3.5% 01/DEC/2042 CL PN# AQ	458,296	494,137	472,678	
3138MLCN2	FNMA MORTPASS 3.5% 01/DEC/2042 CL PN# AQ	77,881	83,971	80,332	
31419CL68	FNMA MORTPASS 3.5% 01/FEB/2026 CI PN# AE	13,834	14,578	14,432	
3138EPT85	FNMA MORTPASS 3.5% 01/FEB/2030 CI PN# AL	593,812	634,985	623,010	
3138EPGB4	FNMA MORTPASS 3.5% 01/FEB/2030 CI PN# AL	72,746	76,417	76,538	
3138EQZ62	FNMA MORTPASS 3.5% 01/FEB/2031 CI PN# AL	434,146	464,265	457,251	
3140EWW43	FNMA MORTPASS 3.5% 01/FEB/2031 CI PN# BC	226,820	240,819	238,166	
3140EWW35	FNMA MORTPASS 3.5% 01/FEB/2031 CI PN# BC	290,278	308,828	305,694	
3140EULJ4	FNMA MORTPASS 3.5% 01/FEB/2031 CI PN# BC	92,554	98,729	97,134	
3138W1UY1	FNMA MORTPASS 3.5% 01/FEB/2043 CL PN# AR	63,586	67,272	65,541	
3138YBSU8	FNMA MORTPASS 3.5% 01/FEB/2045 CL PN# AX	832,261	854,888	853,533	
3140F05B6	FNMA MORTPASS 3.5% 01/FEB/2046 CL PN# BC	72,028	76,518	74,054	
3140EXZ55	FNMA MORTPASS 3.5% 01/FEB/2046 CL PN# BC	52,248	55,505	53,718	
3140EWWM3	FNMA MORTPASS 3.5% 01/FEB/2046 CL PN# BC	25,456,950	26,746,703	26,112,467	
3140EW6F7	FNMA MORTPASS 3.5% 01/FEB/2046 CL PN# BC	1,000,000	1,027,187	1,025,730	
31418A4S4	FNMA MORTPASS 3.5% 01/JAN/2024 CN PN# MA	134,286	141,802	139,966	
3138Y63Q5	FNMA MORTPASS 3.5% 01/JAN/2027 CI PN# AX	8,392,106	8,880,553	8,754,813	
3138WDU25	FNMA MORTPASS 3.5% 01/JAN/2030 CI PN# AS	654,219	699,605	688,258	
3138Y9RT7	FNMA MORTPASS 3.5% 01/JAN/2030 CI PN# AX	72,910	76,795	76,063	
31410LR20	FNMA MORTPASS 3.5% 01/JAN/2031 CI PN# 89	126,342	135,146	132,657	
3138ETL61	FNMA MORTPASS 3.5% 01/JAN/2031 CI PN# AL	334,878	349,843	351,301	
3138EQ5K4	FNMA MORTPASS 3.5% 01/JAN/2031 CI PN# AL	300,508	322,271	315,539	
3138EQ2G6	FNMA MORTPASS 3.5% 01/JAN/2031 CI PN# AL	356,869	382,715	374,713	
3140E9KB1	FNMA MORTPASS 3.5% 01/JAN/2031 CI PN# BA	353,113	372,921	371,864	
3140E9H41	FNMA MORTPASS 3.5% 01/JAN/2031 CI PN# BA	283,872	301,171	296,587	
3138WJSE9	FNMA MORTPASS 3.5% 01/JAN/2032 CI PN# AS	425,000	446,731	448,481	
3138EQAM4	FNMA MORTPASS 3.5% 01/JAN/2035 CT PN# AL	194,611	203,430	202,462	
3138WGDN1	FNMA MORTPASS 3.5% 01/JAN/2046 CL PN# AS	3,566,316	3,747,488	3,658,077	
3140E5ZN7	FNMA MORTPASS 3.5% 01/JAN/2046 CL PN# BA	22,976	24,154	23,566	
3140EX2F9	FNMA MORTPASS 3.5% 01/JAN/2046 CL PN# BC	149,241	158,546	153,407	
31418BXZ4	FNMA MORTPASS 3.5% 01/JAN/2046 CL PN# MA	1,375,186	1,441,796	1,410,528	
31418CFE9	FNMA MORTPASS 3.5% 01/JAN/2047 CL PN# MA	3,010,000	3,093,951	3,087,959	
3138EQCR1	FNMA MORTPASS 3.5% 01/JUL/2030 CI PN# AL	996,954	1,047,736	1,046,044	
3138WFDX1	FNMA MORTPASS 3.5% 01/JUL/2030 CI PN# AS	272,697	287,226	284,513	
3138WFBF2	FNMA MORTPASS 3.5% 01/JUL/2030 CI PN# AS	400,827	425,736	422,159	
3138WFA97	FNMA MORTPASS 3.5% 01/JUL/2030 CI PN# AS	199,033	209,171	208,989	
3138YUWU1	FNMA MORTPASS 3.5% 01/JUL/2030 CI PN# AZ	93,259	99,408	98,614	
3138WHPX4	FNMA MORTPASS 3.5% 01/JUL/2031 CI PN# AS	332,488	358,827	350,818	
3140EVT56	FNMA MORTPASS 3.5% 01/JUL/2031 CI PN# BC	167,948	181,174	177,217	
3140E06Y6	FNMA MORTPASS 3.5% 01/JUL/2045 CL PN# AZ	2,738,198	2,875,108	2,814,567	
3140FDCS3	FNMA MORTPASS 3.5% 01/JUL/2046 CL PN# BD	174,000	185,690	178,894	
31418B6H4	FNMA MORTPASS 3.5% 01/JUL/2046 CL PN# MA	9,000,005	9,244,692	9,233,015	
3138YVPH6	FNMA MORTPASS 3.5% 01/JUN/2030 CI PN# AZ	27,899	29,385	29,115	
3138ETQQ2	FNMA MORTPASS 3.5% 01/JUN/2031 CI PN# AL	605,320	635,586	636,367	
3138ETQP4	FNMA MORTPASS 3.5% 01/JUN/2031 CI PN# AL	636,932	681,312	670,784	
3138WHJC7	FNMA MORTPASS 3.5% 01/JUN/2031 CI PN# AS	342,443	367,538	361,305	
3140EVJ73	FNMA MORTPASS 3.5% 01/JUN/2031 CI PN# BC	347,731	372,887	366,912	
31417GX87	FNMA MORTPASS 3.5% 01/JUN/2043 CL PN# AB	1,081,955	1,094,635	1,117,476	
3138WVSJ1	FNMA MORTPASS 3.5% 01/JUN/2043 CL PN# AT	127,399	131,520	131,329	
3140F8R82	FNMA MORTPASS 3.5% 01/JUN/2046 CL PN# BD	179,075	190,239	184,113	
3140EX7D9	FNMA MORTPASS 3.5% 01/MAR/2031 CI PN# BC	156,725	164,561	164,754	
3140EUK81	FNMA MORTPASS 3.5% 01/MAR/2031 CI PN# BC	75,530	80,699	79,266	
3140EUK65	FNMA MORTPASS 3.5% 01/MAR/2031 CI PN# BC	170,077	177,777	178,804	
31417BFX0	FNMA MORTPASS 3.5% 01/MAR/2042 CL PN# AB	629,626	670,354	649,383	
3138ECQJ5	FNMA MORTPASS 3.5% 01/MAR/2042 CL PN# AK	51,510	54,946	53,123	
31417FZR2	FNMA MORTPASS 3.5% 01/MAR/2043 CL PN# AB	1,350,321	1,435,560	1,391,978	
3138NYMT9	FNMA MORTPASS 3.5% 01/MAR/2043 CL PN# AR	261,072	274,463	269,254	
3138WEBU2	FNMA MORTPASS 3.5% 01/MAR/2045 CL PN# AS	102,511	108,470	105,483	
3140F03X0	FNMA MORTPASS 3.5% 01/MAR/2046 CL PN# BC	317,338	333,329	326,198	
3138LTKV9	FNMA MORTPASS 3.5% 01/MAY/2027 CI PN# AO	176,214	185,974	184,103	
3138XVDZ0	FNMA MORTPASS 3.5% 01/MAY/2029 CI PN# AW	149,156	157,104	155,567	
3138EQAY8	FNMA MORTPASS 3.5% 01/MAY/2030 CI PN# AL	412,790	433,816	433,099	
3138ETN51	FNMA MORTPASS 3.5% 01/MAY/2031 CI PN# AL	172,031	180,633	181,180	
3140F2G20	FNMA MORTPASS 3.5% 01/MAY/2046 CL PN# BC	5,306,098	5,657,213	5,457,747	
31418A2H0	FNMA MORTPASS 3.5% 01/NOV/2023 CN PN# MA	127,262	134,386	132,637	
3138ENXC8	FNMA MORTPASS 3.5% 01/NOV/2029 CI PN# AL	69,728	72,787	73,158	
3138Y6ZD9	FNMA MORTPASS 3.5% 01/NOV/2029 CI PN# AX	644,099	678,418	672,059	
3138EQRK0	FNMA MORTPASS 3.5% 01/NOV/2030 CI PN# AL	90,705	96,544	95,002	
3138WVFZ9	FNMA MORTPASS 3.5% 01/NOV/2030 CI PN# AS	364,013	382,214	382,214	
3138EJ6R4	FNMA MORTPASS 3.5% 01/NOV/2042 CL PN# AL	651,331	692,751	671,789	
3140E0E35	FNMA MORTPASS 3.5% 01/NOV/2045 CL PN# AZ	470,428	496,155	482,509	
3138Y7ND0	FNMA MORTPASS 3.5% 01/OCT/2029 CI PN# AX	115,823	121,668	121,851	
3138MBG34	FNMA MORTPASS 3.5% 01/OCT/2042 CL PN# AP	199,129	214,686	205,382	
31417Y5F0	FNMA MORTPASS 3.5% 01/SEP/2021 CN PN# MA	453,676	479,072	472,699	
31418AXS2	FNMA MORTPASS 3.5% 01/SEP/2023 CN PN# MA	67,813	71,426	70,680	
3138EQZE5	FNMA MORTPASS 3.5% 01/SEP/2030 CI PN# AL	185,895	198,414	195,190	
3138EQHE5	FNMA MORTPASS 3.5% 01/SEP/2030 CI PN# AL	779,065	818,748	817,434	
3138M8W25	FNMA MORTPASS 3.5% 01/SEP/2032 CT PN# AP	522,653	549,031	546,815	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
3138W9QS2	FNMA MORTPASS 3.5% 01/SEP/2033 CT PN# AS	110,687	117,622	115,797	
3138M7RP2	FNMA MORTPASS 3.5% 01/SEP/2042 CL PN# AP	300,449	316,645	309,826	
3138WFRD0	FNMA MORTPASS 3.5% 01/SEP/2045 CL PN# AS	477,338	501,821	489,563	
3138L4N82	FNMA MORTPASS 3.6% 01/AUG/2023 HY PN# AM	301,547	306,258	316,606	
3138L5FA3	FNMA MORTPASS 3.765% 01/DEC/2025 HY PN#	3,800,000	3,813,063	4,013,598	
31416MYM0	FNMA MORTPASS 4% 01/APR/2024 CI PN# AA43	348,681	366,115	366,673	
31418RHE4	FNMA MORTPASS 4% 01/APR/2025 CI PN# AD38	305,730	321,303	322,307	
3138EE3S6	FNMA MORTPASS 4% 01/APR/2042 CL PN# AK98	12,729	13,206	13,512	
3138WQMV1	FNMA MORTPASS 4% 01/APR/2043 CL PN# AT30	199,833	219,723	211,589	
3138XJ6K8	FNMA MORTPASS 4% 01/APR/2044 CL PN# AV71	660,462	723,619	701,093	
3140E7QK9	FNMA MORTPASS 4% 01/APR/2046 CL PN# BA31	2,831,613	3,020,535	2,979,225	
3140F2AR1	FNMA MORTPASS 4% 01/APR/2046 CL PN# BC63	43,736	46,654	46,015	
31400D5P3	FNMA MORTPASS 4% 01/AUG/2018 CI PN# 6849	6,138	6,375	6,316	
31401WMY2	FNMA MORTPASS 4% 01/AUG/2018 CI PN# 7204	69,565	73,609	71,591	
31412P3L3	FNMA MORTPASS 4% 01/AUG/2019 CI PN# 9315	89,018	94,192	91,618	
3138EQC34	FNMA MORTPASS 4% 01/AUG/2045 CL PN# AL72	171,269	183,084	181,464	
3138WFP67	FNMA MORTPASS 4% 01/AUG/2045 CL PN# AS58	67,382	72,857	72,227	
3138Y7CK6	FNMA MORTPASS 4% 01/AUG/2045 CL PN# AX54	71,489	78,303	76,629	
3140E07H2	FNMA MORTPASS 4% 01/AUG/2045 CL PN# AZ80	219,727	238,061	231,795	
31419AYM3	FNMA MORTPASS 4% 01/DEC/2042 CL PN# AE07	2,691,096	2,911,009	2,852,615	
31417AQD4	FNMA MORTPASS 4% 01/DEC/2041 CL PN# AB40	1,671,196	1,831,004	1,769,128	
31419BM77	FNMA MORTPASS 4% 01/DEC/2041 CL PN# AE12	57,710	62,219	62,002	
3138WDQ38	FNMA MORTPASS 4% 01/DEC/2044 CL PN# AS40	28,293	30,990	30,227	
3140E9HS8	FNMA MORTPASS 4% 01/DEC/2045 CL PN# BA47	132,977	142,202	139,912	
3140ECBY4	FNMA MORTPASS 4% 01/DEC/2045 CL PN# BA72	61,798	66,085	65,411	
3140ECBS7	FNMA MORTPASS 4% 01/DEC/2045 CL PN# BA72	28,572	30,554	30,255	
3138E6VD5	FNMA MORTPASS 4% 01/FEB/2042 CL PN# AK24	418,713	434,022	443,890	
3138WGTG9	FNMA MORTPASS 4% 01/FEB/2046 CL PN# AS68	61,082	66,098	65,749	
3138Y7DJ8	FNMA MORTPASS 4% 01/FEB/2046 CL PN# AX55	52,118	56,475	55,869	
3140EWR64	FNMA MORTPASS 4% 01/FEB/2046 CL PN# BC23	96,471	104,249	102,289	
3140EXF73	FNMA MORTPASS 4% 01/FEB/2046 CL PN# BC28	59,908	64,008	63,015	
31403DJQ3	FNMA MORTPASS 4% 01/JAN/2019 CI PN# 7455	127,256	134,653	130,938	
31374CPZ3	FNMA MORTPASS 4% 01/JAN/2019 ZI PN# 3101	136,852	144,806	140,833	
31417VRS4	FNMA MORTPASS 4% 01/JAN/2025 CI PN# AC85	516,393	543,504	545,311	
3140E9JS6	FNMA MORTPASS 4% 01/JAN/2046 CL PN# BA47	304,647	325,782	322,353	
3140E9J64	FNMA MORTPASS 4% 01/JAN/2046 CL PN# BA47	74,933	80,132	78,844	
31419BCE3	FNMA MORTPASS 4% 01/JUL/2019 CI PN# AE09	120,600	127,610	124,093	
31417YQM2	FNMA MORTPASS 4% 01/JUL/2020 CN PN# MA04	37,996	39,465	39,142	
31416TZL6	FNMA MORTPASS 4% 01/JUL/2024 CI PN# AA97	245,623	257,904	257,577	
3138EP2P8	FNMA MORTPASS 4% 01/JUL/2029 CI PN# AL70	1,862,640	1,993,461	1,990,492	
31417CP41	FNMA MORTPASS 4% 01/JUL/2042 CL PN# AB58	25,510	27,941	27,383	
3138EQE76	FNMA MORTPASS 4% 01/JUL/2042 CL PN# AL80	2,644,378	2,860,473	2,802,432	
3138WFCQ7	FNMA MORTPASS 4% 01/JUL/2045 CL PN# AS54	145,963	159,807	155,952	
3138WFJQ0	FNMA MORTPASS 4% 01/JUL/2045 CL PN# AS56	60,424	65,333	64,768	
3138YWCF2	FNMA MORTPASS 4% 01/JUL/2045 CL PN# AZ45	25,549	27,253	26,879	
3140E04Y8	FNMA MORTPASS 4% 01/JUL/2045 CL PN# AZ80	392,235	419,078	412,525	
3138WHNV0	FNMA MORTPASS 4% 01/JUL/2046 CL PN# AS76	20,000,000	21,068,750	21,046,800	
3140F56Z1	FNMA MORTPASS 4% 01/JUL/2046 CL PN# BC98	1,228,514	1,312,591	1,292,839	
3140FBCI2	FNMA MORTPASS 4% 01/JUL/2046 CL PN# BD36	121,099	130,787	128,018	
3140FDCI1	FNMA MORTPASS 4% 01/JUL/2046 CL PN# BD54	41,723	45,654	44,236	
3138MTEY9	FNMA MORTPASS 4% 01/JUN/2042 CL PN# MB01	24,555	25,476	26,104	
31417GUP9	FNMA MORTPASS 4% 01/JUN/2043 CL PN# AB95	3,488,445	3,619,534	3,708,147	
3138YTRH9	FNMA MORTPASS 4% 01/JUN/2045 CL PN# AZ22	392,101	419,609	414,705	
31416BM62	FNMA MORTPASS 4% 01/MAR/2019 CI PN# 9950	153,211	162,117	157,670	
31416CED4	FNMA MORTPASS 4% 01/MAR/2020 CI PN# 9957	64,752	68,515	66,631	
31410K4T8	FNMA MORTPASS 4% 01/MAR/2022 CI PN# 8901	59,859	63,338	61,654	
3138E9AW0	FNMA MORTPASS 4% 01/MAR/2042 CL PN# AK45	528,996	574,870	557,191	
3138EA7K7	FNMA MORTPASS 4% 01/MAR/2042 CL PN# AK62	178,493	185,187	189,729	
3138XJ2V8	FNMA MORTPASS 4% 01/MAR/2044 CL PN# AV70	245,576	262,383	258,322	
3138WGY57	FNMA MORTPASS 4% 01/MAR/2046 CL PN# AS70	91,698	99,471	98,705	
3140EY4H1	FNMA MORTPASS 4% 01/MAR/2046 CL PN# BC44	290,515	313,075	307,789	
31404PF30	FNMA MORTPASS 4% 01/MAY/2019 CI PN# 7742	62,256	65,875	64,095	
31416VNP5	FNMA MORTPASS 4% 01/MAY/2020 CI PN# AB03	2,226,266	2,312,360	2,291,362	
31412VJ74	FNMA MORTPASS 4% 01/MAY/2020 CN PN# 9359	12,636	13,125	13,013	
3138ELTV5	FNMA MORTPASS 4% 01/MAY/2023 CN PN# AL41	32,871	34,143	33,887	
3138ETVB9	FNMA MORTPASS 4% 01/MAY/2044 CL PN# AL87	675,164	727,172	710,981	
3138EPS88	FNMA MORTPASS 4% 01/MAY/2045 CL PN# AL68	877,614	948,103	929,438	
3138EQPG1	FNMA MORTPASS 4% 01/MAY/2045 CL PN# AL76	198,291	216,664	209,851	
3140EXUY7	FNMA MORTPASS 4% 01/MAY/2046 CL PN# BC32	30,559	32,598	32,154	
3138ENWC9	FNMA MORTPASS 4% 01/NOV/2029 CI PN# AL60	431,767	466,309	461,300	
3138APFF0	FNMA MORTPASS 4% 01/NOV/2039 CL PN# AI91	83,710	91,689	90,369	
31419JSK5	FNMA MORTPASS 4% 01/NOV/2040 CL PN# AE77	587,050	620,989	620,306	
31419BMZ5	FNMA MORTPASS 4% 01/NOV/2041 CL PN# AE12	44,662	48,151	47,984	
3138WF4B9	FNMA MORTPASS 4% 01/NOV/2045 CL PN# AS62	77,271	83,187	82,827	
3140E7HC7	FNMA MORTPASS 4% 01/NOV/2045 CL PN# BA29	187,078	200,056	197,444	
3140E7GT1	FNMA MORTPASS 4% 01/NOV/2045 CL PN# BA29	151,564	162,079	160,366	
3140FG6K0	FNMA MORTPASS 4% 01/NOV/2046 CL PN# BD89	96,820	104,611	102,351	
31417YGM3	FNMA MORTPASS 4% 01/OCT/2019 CN PN# MA02	14,922	15,499	15,366	
31417YS24	FNMA MORTPASS 4% 01/OCT/2020 CN PN# MA05	124,750	132,001	128,581	
31417AG45	FNMA MORTPASS 4% 01/OCT/2041 CL PN# AB38	60,489	65,215	64,988	
3138X6NW1	FNMA MORTPASS 4% 01/OCT/2043 CL PN# AU67	665,302	716,589	700,922	
3138EQKX9	FNMA MORTPASS 4% 01/OCT/2045 CL PN# AL75	2,660,208	2,834,265	2,810,696	
3138Y7CW0	FNMA MORTPASS 4% 01/OCT/2045 CL PN# AX54	46,819	50,623	50,186	
3140E2G39	FNMA MORTPASS 4% 01/OCT/2045 CL PN# AZ92	168,202	178,899	177,522	
31402QTP6	FNMA MORTPASS 4% 01/SEP/2019 CI PN# 7350	1,214	1,261	1,250	
31417YFQ5	FNMA MORTPASS 4% 01/SEP/2019 CN PN# MA01	55,104	58,306	56,742	
31419ANB9	FNMA MORTPASS 4% 01/SEP/2040 CL PN# AE03	2,269,329	2,433,501	2,389,195	
31417AAX7	FNMA MORTPASS 4% 01/SEP/2041 CL PN# AB36	26,172	28,216	28,117	
3138WCZR7	FNMA MORTPASS 4% 01/SEP/2044 CL PN# AS34	17,490	18,657	18,395	

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31410LRP9	FNMA MORTPASS 4% 01/SEP/2045 CL PN# 8906	629,763	691,067	667,222	
3138EQM41	FNMA MORTPASS 4% 01/SEP/2045 CL PN# AL75	776,616	825,852	819,151	
3138EQKN1	FNMA MORTPASS 4% 01/SEP/2045 CL PN# AL75	273,402	294,847	290,372	
3138WVFQ6	FNMA MORTPASS 4% 01/SEP/2045 CL PN# AS60	85,422	92,362	91,564	
3140E6ZY1	FNMA MORTPASS 4% 01/SEP/2045 CL PN# BA25	33,306	36,163	35,142	
3140E6Z96	FNMA MORTPASS 4% 01/SEP/2045 CL PN# BA25	181,072	194,737	191,018	
3140E6Z88	FNMA MORTPASS 4% 01/SEP/2045 CL PN# BA25	34,397	37,347	36,289	
3138EMGA3	FNMA MORTPASS 4.00% 01/01/2029 PN# AL469	606,777	650,205	649,524	
31406J6W8	FNMA MORTPASS 4.5% 01/APR/2020 CI PN# 81	18,085	18,990	18,587	
3138EMW31	FNMA MORTPASS 4.5% 01/APR/2044 CL PN# AL	172,633	192,648	188,446	
31418BCB0	FNMA MORTPASS 4.5% 01/APR/2044 CQ PN# MA	1,072,120	1,190,555	1,174,925	
3140F3BH0	FNMA MORTPASS 4.5% 01/APR/2046 CL PN# BC	60,279	67,813	65,544	
3138WHAK8	FNMA MORTPASS 4.5% 01/APR/2046 CQ PN# AS	33,600	37,395	36,871	
31376KSP2	FNMA MORTPASS 4.5% 01/AUG/2020 CI PN# 35	27,992	29,392	29,019	
31410LFB3	FNMA MORTPASS 4.5% 01/AUG/2041 CL PN# 89	1,737,207	1,850,669	1,864,488	
31418BVR4	FNMA MORTPASS 4.5% 01/AUG/2045 CQ PN# MA	23,638	26,309	25,902	
31418BUG9	FNMA MORTPASS 4.5% 01/AUG/2045 CQ PN# MA	133,362	148,427	146,314	
31371LHG7	FNMA MORTPASS 4.5% 01/DEC/2018 CI PN# 25	10,055	10,558	10,334	
31403DC56	FNMA MORTPASS 4.5% 01/DEC/2020 CI PN# 74	328,045	345,780	340,163	
31408DA38	FNMA MORTPASS 4.5% 01/DEC/2020 CI PN# 84	31,676	33,260	32,933	
3138XHT27	FNMA MORTPASS 4.5% 01/DEC/2043 CL PN# AV	19,862	21,861	21,420	
3140ECBV0	FNMA MORTPASS 4.5% 01/DEC/2045 CL PN# BA	40,399	44,465	43,860	
3140ECBU2	FNMA MORTPASS 4.5% 01/DEC/2045 CL PN# BA	28,571	31,536	31,046	
31374CQD1	FNMA MORTPASS 4.5% 01/FEB/2044 ZC PN# 31	1,680,314	1,864,906	1,841,440	
3138Y7DK5	FNMA MORTPASS 4.5% 01/FEB/2046 CL PN# AX	28,592	31,773	31,619	
3140EXZ89	FNMA MORTPASS 4.5% 01/FEB/2046 CL PN# BC	58,163	65,434	63,202	
31402CQB1	FNMA MORTPASS 4.5% 01/JAN/2019 CI PN# 72	11,660	12,243	11,998	
31416VLR3	FNMA MORTPASS 4.5% 01/JAN/2020 CI PN# AB	393,241	409,739	404,154	
3138ETY91	FNMA MORTPASS 4.5% 01/JAN/2042 CL PN# AL	5,067,471	5,621,726	5,489,490	
3138WATX5	FNMA MORTPASS 4.5% 01/JAN/2044 CL PN# AS	117,661	129,500	127,125	
3138XJDB0	FNMA MORTPASS 4.5% 01/JAN/2044 CL PN# AV	51,353	56,521	55,616	
31402RHX0	FNMA MORTPASS 4.5% 01/JUL/2020 CI PN# 73	128,999	135,973	133,490	
31403CVJ7	FNMA MORTPASS 4.5% 01/JUL/2020 CI PN# 74	223,113	235,175	229,715	
31402DBP4	FNMA MORTPASS 4.5% 01/JUN/2019 CI PN# 72	12,792	13,432	13,167	
31403C6P1	FNMA MORTPASS 4.5% 01/JUN/2019 CI PN# 74	19,493	20,468	20,067	
3138XDX45	FNMA MORTPASS 4.5% 01/JUN/2044 CL PN# AW	92,431	101,097	100,129	
31418BFG6	FNMA MORTPASS 4.5% 01/JUN/2044 CQ PN# MA	580,492	637,000	636,614	
31418BTB2	FNMA MORTPASS 4.5% 01/JUN/2045 CQ PN# MA	38,012	42,306	41,704	
31418BST4	FNMA MORTPASS 4.5% 01/JUN/2045 CQ PN# MA	37,805	42,076	41,480	
3138ETZC3	FNMA MORTPASS 4.5% 01/JUN/2046 CL PN# AL	1,159,621	1,299,500	1,260,079	
3138ETV78	FNMA MORTPASS 4.5% 01/JUN/2046 CL PN# AL	1,293,696	1,464,302	1,413,428	
3140F8SH1	FNMA MORTPASS 4.5% 01/JUN/2046 CL PN# BD	32,574	36,646	35,396	
31402QZV6	FNMA MORTPASS 4.5% 01/MAR/2020 CI PN# 73	22,880	24,024	23,685	
3138EPTS3	FNMA MORTPASS 4.5% 01/MAR/2044 CL PN# AL	210,320	233,160	231,958	
3138XMG42	FNMA MORTPASS 4.5% 01/MAR/2044 CL PN# AV	26,695	29,381	28,934	
3138XMF70	FNMA MORTPASS 4.5% 01/MAR/2044 CL PN# AV	19,477	21,437	21,125	
3138ETHC3	FNMA MORTPASS 4.5% 01/MAR/2046 CL PN# AL	1,306,265	1,447,709	1,416,331	
3140F05F7	FNMA MORTPASS 4.5% 01/MAR/2046 CL PN# BC	44,341	49,884	48,182	
3138EM7J4	FNMA MORTPASS 4.5% 01/MAY/2034 CT PN# AL	382,775	418,900	421,042	
31402CP63	FNMA MORTPASS 4.5% 01/NOV/2018 CI PN# 72	279,212	293,173	287,306	
31403FZ49	FNMA MORTPASS 4.5% 01/NOV/2018 CI PN# 74	16,654	17,487	17,116	
31410GRU9	FNMA MORTPASS 4.5% 01/NOV/2022 CI PN# 88	23,153	24,310	24,073	
31417SXL9	FNMA MORTPASS 4.5% 01/NOV/2024 CI PN# AC	486,963	503,284	513,488	
3138XEJP4	FNMA MORTPASS 4.5% 01/NOV/2043 CL PN# AV	29,355	32,309	31,590	
31402WU55	FNMA MORTPASS 4.5% 01/OCT/2018 CI PN# 74	20,969	22,018	21,551	
3138Y7VP4	FNMA MORTPASS 4.5% 01/OCT/2044 CL PN# AX	35,155	39,000	38,120	
31407NFE8	FNMA MORTPASS 4.5% 01/SEP/2020 CI PN# 83	24,935	26,182	25,877	
31418BV94	FNMA MORTPASS 4.5% 01/SEP/2045 CQ PN# MA	50,923	56,675	55,872	
31371LA82	FNMA MORTPASS 5% 01/AUG/2023 CT PN# 2548	291,336	322,836	317,195	
31417YE60	FNMA MORTPASS 5% 01/AUG/2029 CT PN# MA01	134,982	149,577	147,173	
31417TL71	FNMA MORTPASS 5% 01/DEC/2039 CL PN# AC66	228,298	259,689	254,231	
31371KZH7	FNMA MORTPASS 5% 01/JAN/2023 CT PN# 2546	253,849	281,297	276,381	
31418MZJ4	FNMA MORTPASS 5% 01/JAN/2040 CL PN# AD07	440,758	498,057	490,696	
3138XZE31	FNMA MORTPASS 5% 01/JUL/2044 CL PN# AW91	81,629	92,037	89,769	
3138EPPG3	FNMA MORTPASS 5% 01/NOV/2030 CT PN# AL67	265,276	293,959	288,822	
31417YGY7	FNMA MORTPASS 5% 01/OCT/2029 CT PN# MA02	1,665,720	1,733,598	1,814,236	
31417YF28	FNMA MORTPASS 5% 01/SEP/2029 CT PN# MA01	326,777	362,110	356,138	
3138AP5S3	FNMA MORTPASS 5% 01/SEP/2041 CL PN# AI98	258,059	279,309	282,381	
31410G4H3	FNMA MORTPASS 5.5% 01/JAN/2037 CL PN# 88	309,466	332,386	346,410	
31385XJW8	FNMA MORTPASS 5.5% 01/JUL/2033 CL PN# 55	12,347	13,261	13,830	
31403CXZ9	FNMA MORTPASS 5.5% 01/NOV/2034 CL PN# 74	1,682,446	1,906,948	1,886,729	
31418MRT1	FNMA MORTPASS 5.5% 01/NOV/2039 CL PN# AD	191,073	209,285	214,594	
31410RH93	FNMA MORTPASS 6% 01/AUG/2036 CL PN# 8949	207,267	220,432	234,488	
31412DLW6	FNMA MORTPASS 6% 01/FEB/2037 CL PN# 9220	330,730	358,563	374,164	
31419AVH7	FNMA MORTPASS 6% 01/NOV/2038 CL PN# AE06	104,625	115,186	119,798	
3138ELXR9	FNMA MORTPASS 6% 01/NOV/2040 CL PN# AL42	1,230,322	1,352,201	1,418,512	
31371GSS0	FNMA MORTPASS 6.5% 01/MAY/2018 CT PN# 25	10,812	11,781	12,233	
3138EHFE7	FNMA MORTPASS 6.5% 01/OCT/2039 CL PN# AL	216,279	239,867	246,439	
31415QFG6	FNMA MORTPASS 7% 01/AUG/2038 CL PN# 9858	15,529	18,033	17,372	
31412MBF4	FNMA MORTPASS 7% 01/DEC/2037 CL PN# 9289	26,015	30,210	30,045	
31414KEZ9	FNMA MORTPASS 7% 01/FEB/2038 CL PN# 9682	3,605	4,187	3,751	
31414RWR2	FNMA MORTPASS 7% 01/FEB/2038 CL PN# 9741	14,414	16,738	15,878	
31413TUG5	FNMA MORTPASS 7% 01/NOV/2037 CL PN# 9551	33,082	38,417	38,368	
31412TzM8	FNMA MORTPASS 7% 01/NOV/2038 CL PN# 9346	108,022	125,441	124,099	
31415WQA4	FNMA MORTPASS 7% 01/NOV/2038 CL PN# 9915	19,860	23,062	21,045	
31415XH20	FNMA MORTPASS 7% 01/NOV/2038 CL PN# 9922	18,460	21,437	19,995	
31412GQ38	FNMA MORTPASS 7% 01/OCT/2037 CL PN# 9248	22,773	26,445	24,922	
31415SNG3	FNMA MORTPASS 7% 01/SEP/2038 CL PN# 9878	3,047	3,538	3,146	
31390KRH3	FNMA MORTPASS 8% 01/MAY/2032 CL PN# 6485	11,622	12,537	11,894	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
31384YQV1	FNMA MORTPASS 8.5% 01/MAY/2030 CL PN# 53	16,029	16,255	16,914	
31409HGG3	FNMA MORTPASS ARM 01/APR/2036 WS PN# 871	1,172,635	1,225,403	1,233,248	
31419AFX0	FNMA MORTPASS ARM 01/APR/2040 LB PN# AE0	259,645	279,767	269,984	
3138W7JJ4	FNMA MORTPASS ARM 01/APR/2043 LB PN# AR9	403,008	414,091	415,735	
31374FXL8	FNMA MORTPASS ARM 01/AUG/2026 WC PN# 313	13,283	13,718	13,797	
31373TC81	FNMA MORTPASS ARM 01/DEC/2024 WC PN# 302	45,062	45,941	47,142	
3138E4Y47	FNMA MORTPASS ARM 01/FEB/2042 LB PN# AK0	1,424,987	1,475,084	1,471,883	
3138EQP22	FNMA MORTPASS ARM 01/FEB/2042 LB PN# AL7	820,369	857,542	860,732	
3138E2JW6	FNMA MORTPASS ARM 01/JAN/2042 LB PN# AJ9	395,665	411,987	408,900	
3138YFB52	FNMA MORTPASS ARM 01/JAN/2045 LB PN# AY1	329,227	337,960	337,040	
3138YHYQ7	FNMA MORTPASS ARM 01/JAN/2045 LB PN# AY4	529,800	546,214	542,463	
31376CDW1	FNMA MORTPASS ARM 01/JUL/2026 WC PN# 351	32,429	33,241	32,676	
3138ETCX2	FNMA MORTPASS ARM 01/JUN/2041 LB PN# AL8	621,354	653,198	656,311	
3138LVCA9	FNMA MORTPASS ARM 01/JUN/2042 LB PN# AO4	311,423	321,350	320,242	
3138EKDV4	FNMA MORTPASS ARM 01/MAY/2035 WS PN# AL2	495,247	523,105	521,124	
3138ENVB2	FNMA MORTPASS ARM 01/MAY/2043 LB PN# AL6	179,554	184,886	183,923	
31407XUZZ	FNMA MORTPASS ARM 01/NOV/2035 LB PN# 844	24,498	24,437	25,607	
3138EP2Y9	FNMA MORTPASS ARM 01/OCT/2037 WS PN# AL7	5,588,583	5,907,307	5,907,747	
3138ELU35	FNMA MORTPASS ARM 01/OCT/2043 LB PN# AL4	267,340	277,397	273,917	
3138EQCH3	FNMA MORTPASS ARM 01/SEP/2041 WS PN# AL7	1,494,210	1,568,921	1,564,139	
313603JT0	FNMA REMICS 1989-91 Z 9.15% 25/DEC/2019	22,255	20,988	23,910	
31358FDZ9	FNMA REMICS 1990-122 F FLOATING 25/OCT/2	59,957	60,406	60,746	
31358GUJ4	FNMA REMICS 1991-46 F FLOATING 25/MAY/20	45,082	44,971	45,421	
31358NMG4	FNMA REMICS 1992-107 FA FLOATING 25/JUN/	60,788	61,168	61,691	
31359D5Q2	FNMA REMICS 1993-165 FH FLOATING 25/SEP/	530,080	540,682	543,282	
31359K4Q7	FNMA REMICS 1996-53 H 7% 18/DEC/2026	216,849	241,846	243,215	
31359P2N5	FNMA REMICS 1997-43 ZC 7% 18/DEC/2026	471,258	453,224	524,418	
31359UY58	FNMA REMICS 1998-58 ZB 6% 25/OCT/2028	1,144,108	1,225,447	1,294,796	
31359U4E2	FNMA REMICS 1998-66 SC FLOATING 17/NOV/2	1,040,412	-2,737	124,911	
31392ADP0	FNMA REMICS 2001-62 SJ FLOATING 25/NOV/2	123,813	21,285	29,624	
31392B5V4	FNMA REMICS 2002-10 FD FLOATING 25/JAN/2	289,161	290,606	295,247	
31392CBW3	FNMA REMICS 2002-23 F FLOATING 25/APR/20	94,044	94,248	95,970	
31392EHL7	FNMA REMICS 2002-53 FH FLOATING 25/JUL/2	213,349	216,815	218,567	
31393YBS3	FNMA REMICS 2004-38 FK FLOATING 25/MAY/2	222,802	223,359	222,459	
31394AFU5	FNMA REMICS 2004-54 HS FLOATING 25/DEC/2	835,577	67,516	134,705	
31394APU4	FNMA REMICS 2004-65 ST FLOATING 25/AUG/2	2,493,581	-2,616	490,474	
31394VJY7	FNMA REMICS 2005-120 NF FLOATING 25/JAN/	2,910	2,906	2,909	
31394ENT1	FNMA REMICS 2005-62 JA 5.5% 25/JUL/2035	950,000	906,508	1,100,177	
31394E2B3	FNMA REMICS 2005-70 GB 5.5% 25/AUG/2035	2,435,000	3,004,181	2,689,789	
31394UAB8	FNMA REMICS 2005-88 ZC 5% 25/OCT/2035	18,788,061	20,736,794	20,392,835	
31396L4T4	FNMA REMICS 2006-118 A2 FLOATING 25/DEC/	172,968	172,968	169,258	
31395NWF0	FNMA REMICS 2006-56 ZA 5.75% 25/JUL/2036	2,306,942	2,220,013	2,612,213	
31394VW30	FNMA REMICS 2006-8 HO ZEROCPN 25/MAR/203	32,887	0	28,553	
31396KM33	FNMA REMICS 2006-81 FA FLOATING 25/SEP/2	1,283,558	1,273,039	1,279,334	
31396XT20	FNMA REMICS 2007-108 AN VARIABLE 25/NOV/	108,550	133,550	130,526	
31396X6P4	FNMA REMICS 2007-116 IA FLOATING 25/MAY/	1,747,777	191,447	256,713	
31396VTG3	FNMA REMICS 2007-39 FY FLOATING 25/MAY/2	643,907	637,870	642,233	
31396VE20	FNMA REMICS 2007-48 SD FLOATING 25/MAY/2	1,934,341	261,989	305,024	
31396WBP0	FNMA REMICS 2007-56 FA FLOATING 25/JUN/2	720,927	714,394	723,120	
31396V7M4	FNMA REMICS 2007-63 FM FLOATING 25/JUL/2	558,325	555,185	561,406	
31396XNX8	FNMA REMICS 2007-86 FA FLOATING 25/SEP/2	658,428	657,305	656,180	
31396Y4J8	FNMA REMICS 2008-27 SG FLOATING 25/APR/2	284,745	66,794	38,534	
31397MG92	FNMA REMICS 2008-86 SH FLOATING 25/DEC/2	446,449	-420	75,818	
31398GUS6	FNMA REMICS 2009-106 SN FLOATING 25/JAN/	8,705,524	681,237	1,580,531	
31398NAH7	FNMA REMICS 2010-102 IP 5% 25/DEC/2039	1,281,593	159,621	119,674	
31398NM84	FNMA REMICS 2010-110 AE 9.75% 25/NOV/201	188,358	222,380	198,129	
31398MQE9	FNMA REMICS 2010-13 ZX 5% 25/MAR/2040	13,628,972	15,204,821	15,493,950	
31398TDW8	FNMA REMICS 2010-76 SA FLOATING 25/JUL/2	3,510,167	687,466	543,434	
31397QWQ7	FNMA REMICS 2011-15 AB 9.75% 25/AUG/2019	61,213	72,155	64,336	
31397QSU3	FNMA REMICS 2011-3 KA 5% 25/APR/2040	201,345	220,598	216,765	
31397S4W1	FNMA REMICS 2011-43 AN 3.5% 25/DEC/2028	381,278	386,685	386,584	
3136A9AZ1	FNMA REMICS 2012-106 MA 2% 25/JUN/2042	1,194,740	1,033,448	1,153,678	
3136A9HB7	FNMA REMICS 2012-111 HS FLOATING 25/OCT/	409,394	391,798	344,157	
3136A94D7	FNMA REMICS 2012-118 DI 3.5% 25/JAN/2040	1,553,675	284,854	180,280	
3136A9B56	FNMA REMICS 2012-127 PI 4% 25/NOV/2042	2,023,107	555,820	420,030	
3136A9SV1	FNMA REMICS 2012-128 KI 3% 25/NOV/2027	3,148,384	371,191	300,322	
3136AAVJ1	FNMA REMICS 2012-134 LC 3% 25/DEC/2042	305,710	320,171	304,870	
3136ABJF1	FNMA REMICS 2012-144 EI 3% 25/JAN/2028	988,752	112,637	91,534	
3136AAZ65	FNMA REMICS 2012-145 EI 3% 25/JAN/2028	1,760,996	213,431	168,277	
3136ABPN7	FNMA REMICS 2012-148 JI 3.5% 25/DEC/2039	1,982,520	342,950	248,273	
3136A4LE7	FNMA REMICS 2012-15 PZ 4% 25/MAR/2042	8,490,280	9,451,866	8,808,988	
3136ABAR4	FNMA REMICS 2012-150 BI 3% 25/JAN/2028	2,080,336	258,893	200,854	
3136A35F4	FNMA REMICS 2012-28 B 6.5% 25/JUN/2039	49,539	58,149	54,651	
3136A65W0	FNMA REMICS 2012-74 OA ZEROCPN 25/MAR/20	83,460	443,591	73,072	
3136A65Y6	FNMA REMICS 2012-74 SA FLOATING 25/MAR/2	918,058	170,386	162,011	
3136A6Q56	FNMA REMICS 2012-75 AO ZEROCPN 25/MAR/20	166,920	887,120	146,103	
3136ACAP6	FNMA REMICS 2013-10 YI 3% 25/FEB/2028	1,408,973	167,708	134,275	
3136ACR94	FNMA REMICS 2013-15 QI 3% 25/MAR/2028	820,288	100,864	79,028	
3136AC5B3	FNMA REMICS 2013-28 YS FLOATING 25/JUL/2	1,636,270	303,506	258,528	
3136ADB40	FNMA REMICS 2013-44 ZG 3.5% 25/MAR/2042	770,715	769,348	672,269	
3136ABE58	FNMA REMICS 2013-5 BI 3.5% 25/MAR/2040	2,317,163	432,967	296,090	
3136AEJH1	FNMA REMICS 2013-58 SP FLOATING 25/FEB/2	6,565,547	1,038,407	916,335	
3136ABSL8	FNMA REMICS 2013-9 IO 3% 25/FEB/2028	836,575	100,952	80,527	
3136AKPD9	FNMA REMICS 2014-38 GZ 3% 25/SEP/2043	8,084,338	7,043,486	6,858,028	
3136AKVX8	FNMA REMICS 2014-49 LC 3% 25/JUL/2054	5,051,201	5,058,502	5,100,687	
3136ATPN8	FNMA REMICS 2016-59 CA 3.5% 25/SEP/2043	1,615,283	1,714,787	1,683,754	
3136ATXU3	FNMA REMICS 2016-63 YI 3.5% 25/APR/2046	2,460,138	176,936	259,188	
3136AT5V2	FNMA REMICS 2016-81 PA 3% 25/FEB/2044	14,896,961	15,364,818	14,878,678	
3136AUAE1	FNMA REMICS 2016-82 ZD 3% 25/NOV/2046	7,722,206	7,167,172	7,086,825	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	3136AULD1	FNMA REMICS 2016-94 PA 3% 25/MAR/2044	14,951,329	15,356,650	15,106,711
	22540A3S5	FNT MORTGAGE-BACKED PASS-THROUGH TRUST 2	929	920	947
	344419106	FOMENTO ECONOMICO MEXICANO SAB DE CV ADR	18,913	1,765,282	1,441,360
	7745638	FONCIERE DES REGIONS REIT EUR 3	1,321	108,100	115,562
	B99BGG4	FONTERRA CO-OPERATIVE GROUP LTD UNIT NZD	58,822	237,370	246,099
	344849104	FOOT LOCKER INC COMMON STOCK USD 0.01	10,744	168,797	761,642
	345994305	FOOTHILL PARTNERS II L P IBM	23,841,377	196,370	0
	345994404	FOOTHILL PARTNERS III IBM	562,222	1,044,113	0
	34530WAA5	FORD CREDIT AUTO OWNER TRUST 2015-REV2 2	1,264,000	1,277,587	1,275,107
	34531CAE0	FORD CREDIT AUTO OWNER TRUST 2016-C 2016	1,027,000	1,026,806	1,009,763
	34531CAD2	FORD CREDIT AUTO OWNER TRUST 2016-C 2016	686,000	685,850	680,335
	34531BAA0	FORD CREDIT AUTO OWNER TRUST 2016-REV2 2	1,623,000	1,622,439	1,596,188
	34530MAA7	FORD CREDIT AUTO OWNER TRUST/FORD CREDIT	875,000	874,795	882,469
	34528QFD1	FORD CREDIT FLOORPLAN MASTER OWNER TRUST	676,000	675,866	673,595
	34528QDX9	FORD CREDIT FLOORPLAN MASTER OWNER TRUST	294,000	294,189	294,128
	34528QDE1	FORD CREDIT FLOORPLAN MASTER OWNER TRUST	270,000	269,976	270,013
	34528QBP8	FORD CREDIT FLOORPLAN MASTER OWNER TRUST	469,000	478,281	469,125
	345277AE7	FORD HOLDINGS LLC BOND FIXED 9.3% 01/MAR	1,925,000	2,763,267	2,615,652
	345370BY5	FORD MOTOR CO BOND FIXED 6.625% 01/OCT/2	11,259,000	13,581,462	13,236,756
	345370BR0	FORD MOTOR CO BOND FIXED 7.4% 01/NOV/204	4,785,000	6,008,305	6,253,564
	345370BV1	FORD MOTOR CO BOND FIXED 8.9% 15/JAN/203	700,000	981,750	930,713
	345370CR9	FORD MOTOR CO CALLABLE NOTES FIXED 4.346	3,745,000	3,745,389	3,784,323
	345370CS7	FORD MOTOR CO CALLABLE NOTES FIXED 5.291	14,976,000	14,976,286	15,170,538
	345370860	FORD MOTOR CO COMMON STOCK USD 0.01	650,338	7,781,514	7,888,600
	345370CQ1	FORD MOTOR CO NOTES FIXED 4.75% 15/JAN/2	18,063,000	18,128,289	17,149,193
	345370CA6	FORD MOTOR CO NOTES FIXED 7.45% 16/JUL/2	18,885,000	24,261,607	23,701,619
	345397XU2	FORD MOTOR CREDIT CO LLC BOND FIXED 4.38	4,805,000	4,918,279	4,869,771
	345397WT6	FORD MOTOR CREDIT CO LLC NOTES FIXED 1.6	1,005,000	1,005,000	1,003,372
	345397YD9	FORD MOTOR CREDIT CO LLC NOTES FIXED 1.8	5,010,000	5,010,000	4,929,339
	34540UAA7	FORD MOTOR CREDIT CO LLC NOTES FIXED 2.3	4,100,000	4,147,806	4,118,327
	345397WP4	FORD MOTOR CREDIT CO LLC NOTES FIXED 2.3	1,035,000	1,040,796	1,034,389
	345397XN8	FORD MOTOR CREDIT CO LLC NOTES FIXED 2.5	4,125,000	4,120,450	4,148,183
	345397WL3	FORD MOTOR CREDIT CO LLC NOTES FIXED 2.8	1,150,000	1,174,231	1,163,731
	345397WD1	FORD MOTOR CREDIT CO LLC NOTES FIXED 3%	8,510,000	8,747,596	8,559,528
	345397XZ1	FORD MOTOR CREDIT CO LLC NOTES FIXED 3.0	4,000,000	4,011,520	3,862,880
	345397XQ1	FORD MOTOR CREDIT CO LLC NOTES FIXED 3.2	10,885,000	11,048,255	10,900,892
	345397XW8	FORD MOTOR CREDIT CO LLC NOTES FIXED 3.3	5,760,000	5,815,286	5,799,974
	345397WW9	FORD MOTOR CREDIT CO LLC NOTES FIXED 3.6	4,380,000	4,363,682	4,273,829
	345397XL2	FORD MOTOR CREDIT CO LLC NOTES FIXED 4.1	2,400,000	2,400,000	2,402,880
	345397WF6	FORD MOTOR CREDIT CO LLC NOTES FIXED 4.2	770,000	763,147	793,323
	345397WK5	FORD MOTOR CREDIT CO LLC NOTES FIXED 4.3	1,700,000	1,752,717	1,754,400
	345397VT7	FORD MOTOR CREDIT CO LLC NOTES FIXED 5%	2,920,000	3,107,784	3,034,552
	345397VR1	FORD MOTOR CREDIT CO LLC NOTES FIXED 5.7	9,050,000	9,044,261	9,924,049
	345397VU4	FORD MOTOR CREDIT CO LLC NOTES FIXED 5.8	2,890,000	3,348,632	3,191,629
	345397VM2	FORD MOTOR CREDIT CO LLC NOTES FIXED 8.1	11,490,000	14,528,537	13,250,038
	2095101B	FOREIGN EXCHANGE OPTION - FX .69	-73,160,000	-68,980	-40,261
	2095091B	FOREIGN EXCHANGE OPTION - FX .71	73,160,000	349,921	255,870
	2095111B	FOREIGN EXCHANGE OPTION - FX .73	-23,710,000	-285,394	-240,444
	2095011B	FOREIGN EXCHANGE OPTION - FX .73	47,430,000	229,258	480,989
	2094921B	FOREIGN EXCHANGE OPTION - FX 1.03	49,370,000	172,314	106,646
	2094881B	FOREIGN EXCHANGE OPTION - FX 1.03	49,340,000	184,873	106,581
	2094721B	FOREIGN EXCHANGE OPTION - FX 1.04	49,120,000	252,396	28,443
	2094781B	FOREIGN EXCHANGE OPTION - FX 1.05	48,570,000	237,985	330,838
	2094591B	FOREIGN EXCHANGE OPTION - FX 1.05	35,480,000	225,298	122,796
	2095121B	FOREIGN EXCHANGE OPTION - FX 1.21	43,050,000	272,612	194,108
	2094831B	FOREIGN EXCHANGE OPTION - FX 1.24	14,280,000	149,427	233,197
	2095031B	FOREIGN EXCHANGE OPTION - FX 1.42	52,480,000	125,427	8,607
	2095021B	FOREIGN EXCHANGE OPTION - FX 1.45	-52,480,000	-129,101	-42,509
	2094931B	FOREIGN EXCHANGE OPTION - FX 1.45	8,050,000	26,324	42,069
	2094601B	FOREIGN EXCHANGE OPTION - FX 1.45	44,350,000	327,303	231,773
	2095321B	FOREIGN EXCHANGE OPTION - FX 112.50	17,940,000	172,224	218,258
	2095191B	FOREIGN EXCHANGE OPTION - FX 118.00	52,930,000	335,682	338,646
	2095071B	FOREIGN EXCHANGE OPTION - FX 120.00	35,220,000	177,157	84,669
	2095001B	FOREIGN EXCHANGE OPTION - FX 120.00	35,140,000	274,092	68,769
	345605109	FOREST CITY REALTY TRUST INC REIT USD 0.	23,450	443,039	488,698
	345838AC0	FOREST LABORATORIES LLC CALLABLE NOTES F	3,515,000	3,780,842	3,652,577
	345838AA4	FOREST LABORATORIES LLC CALLABLE NOTES F	1,200,000	1,299,360	1,297,416
	6348715	FORMOSA CHEMICALS & FIBRE CORP COMMON ST	231,000	621,395	690,226
	6718716	FORMOSA PETROCHEMICAL CORP COMMON STOCK	9,000	22,490	31,276
	6348544	FORMOSA PLASTICS CORP COMMON STOCK TWD 1	161,000	399,130	445,599
	346998305	FORSTMANN LITTLE MBO III - IBM	62,598,804	17,286,233	0
	34706QAA6	FORT CRE 2016-1 LLC 2016-1A A1 FLOATING	3,740,535	3,740,535	3,739,796
	6086253	FORTESCUE METALS GROUP LTD COMMON STOCK	607,500	1,554,225	2,590,956
	3.50E+113	FORTINET INC COMMON STOCK USD 0.001	11,846	313,372	356,802
	349553AJ6	FORTIS INC/CANADA CALLABLE NOTES FIXED 2	4,268,000	4,257,117	4,125,107
	349553AL1	FORTIS INC/CANADA CALLABLE NOTES FIXED 3	23,157,000	22,858,778	21,658,279
	349553107	FORTIS INC/CANADA COMMON STOCK CAD 0	591	6,153	18,250
	2347200	FORTIS INC/CANADA COMMON STOCK CAD 0	45,961	1,368,044	1,420,934
	34959JAB4	FORTIVE CORP CALLABLE NOTES FIXED 2.35%	1,055,000	1,061,830	1,040,895
	34959JAD0	FORTIVE CORP CALLABLE NOTES FIXED 4.3% 1	4,195,000	4,196,316	4,153,679
	34959J108	FORTIVE CORP COMMON STOCK USD 0.01	37,367	1,001,236	2,003,992
	U34999919	FORTRESS CREDIT OPPORTUNITIES FUND III (	100	20,027,697	35,005,358
	349995480	FORTRESS REAL ESTATE OPPORTUNITIES REOC	100	2,500,235	16,782,513
	5579550	FORTUM OYJ COMMON STOCK EUR 3.4	31,072	486,443	477,505
	34964CAB2	FORTUNE BRANDS HOME & SECURITY INC CALLA	2,045,000	2,044,427	2,058,149
	34964CAA4	FORTUNE BRANDS HOME & SECURITY INC CALLA	4,000,000	3,974,280	4,113,800
	34964C106	FORTUNE BRANDS HOME & SECURITY INC COMMO	12,181	104,506	651,196
	COWFSTUS6	FORWARD COLLATER	130,000	130,000	130,000
	34988V106	FOSSIL GROUP INC COMMON STOCK USD 0.01	1,000	34,093	25,860

IBM
Personal Pension Plan
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at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
35086T109	FOUR CORNERS PROPERTY TRUST INC REIT	4,660	98,036	95,623	
6801779	FOXCONN TECHNOLOGY CO LTD COMMON STOCK T	448,765	1,145,403	1,187,739	
B29NF31	FRANCO-NEVADA CORP COMMON STOCK CAD 0	20,415	1,188,357	1,222,114	
35472T101	FRANKLIN LIMITED DURATION INCOME TRUST C	88,920	1,053,181	1,070,597	
354613101	FRANKLIN RESOURCES INC COMMON STOCK USD	56,535	1,341,747	2,237,655	
N33462107	FRANK'S INTERNATIONAL NV COMMON STOCK US	18,297	316,318	225,236	
7107551	FRAPORT AG FRANKFURT AIRPORT SERVICES WO	8,670	538,786	513,657	
31398VJA5	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	14,858,342	400,528	372,760	
31398E2G8	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	10,000,000	11,843,359	10,652,105	
3137BNN26	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	5,000,000	5,049,880	4,983,099	
3137B3NA2	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	20,225,000	20,976,327	21,100,000	
3137B1UH3	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	7,922,603	328,993	310,180	
3137B1BT8	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	2,994,519	156,581	145,613	
3137B1B27	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	4,855,367	169,996	145,343	
3137ADTK3	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	8,571,037	405,981	375,207	
3137ABFJ5	FREDDIE MAC MULTIFAMILY STRUCTURED PASS	4,048,912	196,488	182,025	
31397JME1	FREDDIE MAC STRUCTURED PASS-THROUGH CERT	2,294,142	2,294,142	2,281,448	
31395M2F5	FREDDIE MAC STRUCTURED PASS-THROUGH CERT	1,559,296	1,561,659	1,582,789	
31395HHV5	FREDDIE MAC STRUCTURED PASS-THROUGH CERT	633,705	635,523	649,601	
31395A3J2	FREDDIE MAC STRUCTURED PASS-THROUGH CERT	1,294,869	1,270,755	1,297,785	
3133TSQG1	FREDDIE MAC STRUCTURED PASS-THROUGH CERT	321,430	321,517	315,178	
313398VT3	FREDDIE MAC STRUCTURED PASS-THROUGH CERT	345,354	345,468	341,049	
356108100	FRED'S INC COMMON STOCK USD 0	500	9,809	9,280	
35671DAW5	FREEPORT-MCMORAN COPPER & GOLD INC CALLA	500,000	501,890	496,875	
35671DBD6	FREEPORT-MCMORAN INC CALLABLE NOTES FIXE	1,300,000	1,045,125	1,290,250	
35671DBC8	FREEPORT-MCMORAN INC CALLABLE NOTES FIXE	8,325,000	6,914,875	6,889,104	
35671D857	FREEPORT-MCMORAN INC COMMON STOCK USD 0.	169,125	2,577,391	2,230,759	
BYM8GW3	FRENCH REPUBLIC BILL ZERO CPN 25/JAN/201	1,500,000	1,647,086	1,582,908	
2361448	FRESENIUS MEDICAL CARE AG & CO KGAA ADR	42,072	551,577	1,775,859	
5129074	FRESENIUS MEDICAL CARE AG & CO KGAA COMM	37,734	2,201,913	3,201,905	
4352097	FRESENIUS SE & CO KGAA COMMON STOCK EUR	17,929	1,332,189	1,404,302	
B2QPKJ1	FRESNILLO PLC COMMON STOCK GBP 0.5	9,737	191,566	146,905	
35906AAZ1	FRONTIER COMMUNICATIONS CORP CALLABLE NO	2,160,000	2,162,413	2,230,200	
35906A108	FRONTIER COMMUNICATIONS CORP COMMON STOC	93,244	845,137	315,165	
359397106	FRUEHAUF TRAILER CORP COM STK USD0.01	106,300	213	21	
6353418	FRUTAROM INDUSTRIES LTD COMMON STOCK ILS	1,677	90,366	85,884	
302993837	FS EQUITY PARTNERS IV L P IBM	100	0	178,395	
302996111	FS EQUITY PARTNERS VI, LP	100	3,163,617	25,202,727	
Y26998974	FS EQUITY PARTNERS VII LP	100	24,538,159	24,159,947	
Z0H7IDX	FTSE 100 IDX FUT EQUITY INDEX 17/MAR/201	13	0	26,175	
STH7IDX	FTSE/MIB IDX FUT EQUITY INDEX 17/MAR/201	1	0	4,745	
6411673	FUBON FINANCIAL HOLDING CO LTD COMMON ST	1,577,369	2,220,922	2,496,069	
4354350	FUCHS PETROLUB SE PREFERENCE EUR 0	10,675	455,771	449,027	
6356365	FUJII ELECTRIC CO LTD COMMON STOCK JPY	181,940	890,391	945,305	
6356406	FUJII HEAVY INDUSTRIES LTD COMMON STOCK J	101,563	3,648,636	4,155,345	
6036582	FUJII MEDIA HOLDINGS INC COMMON STOCK JPY	117,300	1,475,630	1,645,328	
6356525	FUJIFILM HOLDINGS CORP COMMON STOCK JPY	172,021	4,240,744	6,541,031	
6356945	FUJITSU LTD COMMON STOCK JPY	402,557	2,068,235	2,241,701	
B1TK1Y8	FUKUOKA FINANCIAL GROUP INC COMMON STOCK	149,919	676,350	667,106	
EO7FIDX	FUTURE AEX INDEX EQUITY INDEX 20/JAN/201	2	0	5,167	
B1L5MR1	FUTURE ENTERPRISES LTD COMMON STOCK INR	21,554	44,319	5,304	
B01FLG6	G4S PLC COMMON STOCK GBP 25	607,417	2,264,820	1,763,804	
BP3RQ04	GALAXY ENTERTAINMENT GROUP LTD COMMON ST	95,000	410,561	414,154	
6465874	GALAXY ENTERTAINMENT GROUP LTD COMMON ST	104,000	438,431	453,390	
7552571	GALENICA AG COMMON STOCK CHF 0.1	172	174,821	194,449	
B1FW751	GALP ENERGIA SGPS SA COMMON STOCK EUR 1	60,142	774,160	900,139	
36467W109	GAMESTOP CORP COMMON STOCK USD 0.001	8,266	205,469	208,799	
36467J108	GAMING AND LEISURE PROPERTIES INC REIT U	38,094	1,184,073	1,166,438	
364760108	GAP INC/THE COMMON STOCK USD 0.05	73,895	1,692,485	1,658,204	
H2906T109	GARMIN LTD COMMON STOCK USD 10	40,882	2,082,611	1,982,368	
G05995876	GARNET BIOTHEAPEUTICS, INC. SERIES AA P	28,639	45,477	0	
366651107	GARTNER INC COMMON STOCK USD 0.0005	6,427	183,214	649,577	
6139889	GARTWARE WALL ROPES LTD COMMON STOCK INR	8,048	43,766	72,571	
5650422	GAS NATURAL SDG SA COMMON STOCK EUR 1	98,677	2,054,579	1,864,065	
R6J7COM	GASOIL CK SPRD SW REFINED PRODUCTS 28/AP	8	0	2,443	
R6Z7COS	GASOIL CK SPRD SW REFINED PRODUCTS 29/DE	-8	0	-10,009	
R6M7COM	GASOIL CK SPRD SW REFINED PRODUCTS 30/JU	8	0	4,275	
R6X7COS	GASOIL CK SPRD SW REFINED PRODUCTS 30/NO	-8	0	-8,129	
R6K7COM	GASOIL CK SPRD SW REFINED PRODUCTS 31/MA	8	0	2,627	
R6V7COS	GASOIL CK SPRD SW REFINED PRODUCTS 31/OC	-8	0	-7,457	
XBH7COS	GASOLINE RBOB FUT REFINED PRODUCTS 28/FE	-28	0	-105,193	
XBN7COS	GASOLINE RBOB FUT REFINED PRODUCTS 30/JU	-24	0	-212,293	
XBZ8COS	GASOLINE RBOB FUT REFINED PRODUCTS 30/NO	-19	0	-28,852	
XBZ7COS	GASOLINE RBOB FUT REFINED PRODUCTS 30/NO	-44	0	-84,385	
XBG7COS	GASOLINE RBOB FUT REFINED PRODUCTS 31/JA	-11	0	8,700	
XBG7COM	GASOLINE RBOB FUT REFINED PRODUCTS 31/JA	300	0	1,480,048	
XBW7COS	GASOLINE RBOB FUT REFINED PRODUCTS 31/MA	-108	0	-1,451,956	
XBJ7COM	GASOLINE RBOB FUT REFINED PRODUCTS 31/MA	132	0	1,709,898	
361448AY9	GATX CORP CALLABLE NOTES FIXED 3.25% 15/	800,000	794,520	754,992	
361448AU7	GATX CORP CALLABLE NOTES FIXED 5.2% 15/M	380,000	379,476	376,021	
368287207	GAZPROM PJSC	100,484	417,827	507,444	
5140989	GAZPROM PJSC	366,637	1,758,392	1,851,517	
2016629	GAZPROM PJSC	322,977	3,242,878	1,631,034	
ULAJ7CO	GC ULSD CAL SWAP REFINED PRODUCTS 28/APR	1	0	9,368	
ULAG7CO	GC ULSD CAL SWAP REFINED PRODUCTS 28/FEB	1	0	8,944	
ULAZ7CO	GC ULSD CAL SWAP REFINED PRODUCTS 29/DEC	1	0	10,573	
ULAU7CO	GC ULSD CAL SWAP REFINED PRODUCTS 29/SEP	1	0	11,086	
ULAM7CO	GC ULSD CAL SWAP REFINED PRODUCTS 30/JUN	1	0	9,943	
ULAX7CO	GC ULSD CAL SWAP REFINED PRODUCTS 30/NOV	1	0	11,002	

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
ULAQ7CO	GC ULSD CAL SWAP REFINED PRODUCTS 31/AUG	1	0	10,750	
ULAF7CO	GC ULSD CAL SWAP REFINED PRODUCTS 31/JAN	1	0	8,427	
ULAN7CO	GC ULSD CAL SWAP REFINED PRODUCTS 31/JUL	1	0	10,355	
ULAH7CO	GC ULSD CAL SWAP REFINED PRODUCTS 31/MAR	1	0	9,217	
ULAK7CO	GC ULSD CAL SWAP REFINED PRODUCTS 31/MAY	1	0	9,582	
ULAV7CO	GC ULSD CAL SWAP REFINED PRODUCTS 31/OCT	1	0	11,422	
36164Y101	GCP APPLIED TECHNOLOGIES INC COMMON STOCK	6,950	130,606	185,913	
B3B9KQ2	GDF SUEZ VVPR STRIP	4,116	0	4	
36164QNA2	GE CAPITAL INTERNATIONAL FUNDING CO UNLI	148,710,000	137,731,812	155,834,696	
36164QMS4	GE CAPITAL INTERNATIONAL FUNDING CO UNLI	19,798,000	19,501,727	19,788,497	
36164Q6M5	GE CAPITAL INTERNATIONAL FUNDING CO UNLI	12,828,000	12,026,507	13,040,688	
36159XAE0	GE COMMERCIAL MORTGAGE CORP SERIES 2007-	5,217,666	5,503,211	5,224,681	
4557104	GEA GROUP AG COMMON STOCK EUR 0	28,735	941,481	1,158,684	
B1WGG93	GEBERIT AG COMMON STOCK CHF 0.1	13,889	2,775,303	5,578,285	
7742468	GECINA SA REIT EUR 7.5	2,753	363,027	381,695	
6531827	GEELY AUTOMOBILE HOLDINGS LTD COMMON STO	3,130,000	2,304,168	2,991,468	
B9MS8P5	GEMALTO NV COMMON STOCK EUR 1	1,924	152,527	111,451	
B011JK4	GEMALTO NV COMMON STOCK EUR 1	7,071	409,932	409,601	
369300108	GENERAL CABLE CORP COMMON STOCK USD 0.01	6,090	63,424	116,015	
369550108	GENERAL DYNAMICS CORP COMMON STOCK USD 1	31,305	1,927,245	5,405,121	
36962G4B7	GENERAL ELECTRIC CAPITAL CORP MEDIUM TER	15,355,000	21,051,154	21,649,629	
36962G3A0	GENERAL ELECTRIC CAPITAL CORP MEDIUM TER	8,965,000	10,712,636	11,571,305	
369622SM8	GENERAL ELECTRIC CAPITAL CORP NOTES FIXE	2,091,000	2,393,839	2,319,044	
369604BC6	GENERAL ELECTRIC CO BOND FIXED 5.25% 06/	6,390,000	7,196,565	6,619,657	
369604BQ5	GENERAL ELECTRIC CO CALLABLE BOND VARIAB	4,373,000	4,211,819	4,537,862	
B9GCSZ3	GENERAL ELECTRIC CO CALLABLE MEDIUM TERM	3,193,000	3,322,570	3,196,512	
36962GXZ2	GENERAL ELECTRIC CO CALLABLE MEDIUM TERM	10,232,000	12,676,583	13,620,122	
369604BH5	GENERAL ELECTRIC CO CALLABLE NOTES FIXED	9,250,000	9,469,474	9,929,690	
369604BF9	GENERAL ELECTRIC CO CALLABLE NOTES FIXED	19,239,000	19,087,276	19,409,265	
369604103	GENERAL ELECTRIC CO COMMON STOCK USD 0.0	1,015,851	22,567,111	32,100,892	
36962G6S8	GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX	5,414,000	5,128,121	5,486,981	
36962G6F6	GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX	172,000	174,628	175,664	
36962G5J9	GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX	373,000	413,694	409,159	
36962G4Y7	GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX	189,000	188,282	205,218	
36962G4R2	GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX	2,877,000	3,141,416	3,092,343	
36962G3P7	GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX	26,186,000	31,684,510	32,955,867	
370023103	GENERAL GROWTH PROPERTIES INC REIT USD 0	198,143	4,032,522	4,949,612	
370334BU7	GENERAL MILLS INC CALLABLE MEDIUM TERM N	1,300,000	1,306,617	1,301,508	
370334BM5	GENERAL MILLS INC CALLABLE NOTES FIXED 3	125,000	124,486	127,679	
370334BH6	GENERAL MILLS INC CALLABLE NOTES FIXED 5	2,055,000	2,292,168	2,209,413	
370334104	GENERAL MILLS INC COMMON STOCK USD 0.1	73,747	2,479,843	4,555,352	
37045VAE0	GENERAL MOTORS CO CALLABLE NOTES FIXED 4	9,185,000	9,676,520	9,628,360	
37045VAJ9	GENERAL MOTORS CO CALLABLE NOTES FIXED 5	19,805,000	19,391,908	19,090,238	
37045VAH3	GENERAL MOTORS CO CALLABLE NOTES FIXED 5	9,380,000	9,336,347	9,146,626	
37045VAL4	GENERAL MOTORS CO CALLABLE NOTES FIXED 6	13,685,000	15,971,104	16,048,263	
37045VAK6	GENERAL MOTORS CO CALLABLE NOTES FIXED 6	10,800,000	11,423,840	12,344,508	
37045VAF7	GENERAL MOTORS CO CALLABLE NOTES FIXED 6	34,929,000	36,795,496	38,613,311	
37045V100	GENERAL MOTORS CO COMMON STOCK USD 0.01	223,571	7,331,163	7,789,214	
37045XBQ8	GENERAL MOTORS FINANCIAL CO INC CALLABLE	14,645,000	14,624,395	14,081,460	
37045XBM7	GENERAL MOTORS FINANCIAL CO INC CALLABLE	1,105,000	1,102,978	1,095,784	
37045XBK1	GENERAL MOTORS FINANCIAL CO INC CALLABLE	4,540,000	4,528,332	4,467,315	
37045XBJ4	GENERAL MOTORS FINANCIAL CO INC CALLABLE	7,000,000	6,992,720	6,981,450	
37045XBG0	GENERAL MOTORS FINANCIAL CO INC CALLABLE	4,645,000	4,798,921	4,879,526	
37045XBF2	GENERAL MOTORS FINANCIAL CO INC CALLABLE	4,235,000	4,252,781	4,369,461	
37045XBD7	GENERAL MOTORS FINANCIAL CO INC CALLABLE	770,000	769,446	783,283	
37045XBB1	GENERAL MOTORS FINANCIAL CO INC CALLABLE	1,075,000	1,074,506	1,086,406	
37045XA29	GENERAL MOTORS FINANCIAL CO INC CALLABLE	460,000	459,370	456,315	
37045XAY2	GENERAL MOTORS FINANCIAL CO INC CALLABLE	2,200,000	2,199,384	2,206,622	
37045XAV8	GENERAL MOTORS FINANCIAL CO INC CALLABLE	4,000,000	3,941,160	4,004,280	
37045XAS5	GENERAL MOTORS FINANCIAL CO INC CALLABLE	3,369,000	3,350,330	3,286,931	
37045XAQ9	GENERAL MOTORS FINANCIAL CO INC CALLABLE	300,000	308,490	311,193	
37045XAN6	GENERAL MOTORS FINANCIAL CO INC CALLABLE	2,220,000	2,233,781	2,260,537	
37045XAM8	GENERAL MOTORS FINANCIAL CO INC CALLABLE	4,200,000	4,200,000	4,222,722	
37045XAL0	GENERAL MOTORS FINANCIAL CO INC CALLABLE	650,000	650,000	657,807	
37045XAJ5	GENERAL MOTORS FINANCIAL CO INC CALLABLE	1,000,000	1,022,600	1,013,100	
37045XAB2	GENERAL MOTORS FINANCIAL CO INC CALLABLE	810,000	914,288	859,856	
371559105	GENESEE & WYOMING INC COMMON STOCK USD 0	4,503	391,033	312,553	
92998516	GENESIS EMERGING MARKETS FUND	152,437	111,065,461	130,855,734	
B4L0PD4	GENESIS EMERGING MARKETS FUND LTD CLOSED	247,733	2,026,393	1,844,320	
37185LAH5	GENESIS ENERGY LP / GENESIS ENERGY FINAN	1,300,000	1,078,250	1,350,700	
37185LAF9	GENESIS ENERGY LP / GENESIS ENERGY FINAN	1,500,000	1,170,000	1,473,750	
4595739	GENMAB A/S COMMON STOCK DKK 1	2,360	417,812	392,689	
G3922B107	GENPACT LTD COMMON STOCK USD 0.01	122,716	2,775,534	2,986,907	
371901109	GENTEX CORP COMMON STOCK USD 0.06	104,858	1,441,312	2,064,654	
37253A103	GENTHERM INC COMMON STOCK USD 0	5,160	207,809	174,666	
6366795	GENTING SINGAPORE PLC COMMON STOCK SGD 0	993,866	579,804	622,585	
372460105	GENUINE PARTS CO COMMON STOCK USD 1	25,598	1,811,950	2,445,633	
37247D106	GENWORTH FINANCIAL INC COMMON STOCK USD	117,600	300,089	448,056	
B3NWJQ2	GENWORTH MI CANADA INC COMMON STOCK CAD	10,019	226,474	251,474	
B068D97	GEODESIC LTD COMMON STOCK INR 2	45,889	81,042	1,007	
4341783	GEORG FISCHER AG COMMON STOCK CHF 1	640	502,713	525,173	
372546AT8	GEORGE WASHINGTON UNIVERSITY/THE CALLABL	2,650,000	2,650,000	2,601,320	
2956662	GEORGE WESTON LTD COMMON STOCK CAD 0	17,156	1,356,130	1,453,152	
373334JN2	GEORGIA POWER CO CALLABLE BOND FIXED 5.9	400,000	488,556	481,092	
373334KF7	GEORGIA POWER CO CALLABLE NOTES FIXED 2.	660,000	658,647	655,776	
373334KA8	GEORGIA POWER CO CALLABLE NOTES FIXED 4.	5,365,000	4,995,270	5,414,841	
373334JW2	GEORGIA POWER CO CALLABLE NOTES FIXED 4.	8,535,000	8,643,836	8,636,908	
373334JS1	GEORGIA POWER CO CALLABLE NOTES FIXED 4.	3,490,000	3,455,808	3,663,628	
373334JR3	GEORGIA POWER CO CALLABLE NOTES FIXED 5.	2,230,000	2,684,363	2,548,333	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
373334JK8	GEORGIA POWER CO CALLABLE NOTES FIXED 5.	1,260,000	1,398,587	1,325,533	
373334GC9	GEORGIA POWER CO CALLABLE NOTES FIXED 5.	3,255,000	3,240,645	3,769,908	
373298BP2	GEORGIA-PACIFIC LLC CALLABLE BOND FIXED	1,000,000	1,231,910	1,281,060	
37331NAF8	GEORGIA-PACIFIC LLC CALLABLE NOTES FIXED	794,000	789,633	800,963	
37331NAB7	GEORGIA-PACIFIC LLC CALLABLE NOTES FIXED	1,511,000	1,715,163	1,661,163	
373298BU1	GEORGIA-PACIFIC LLC CALLABLE NOTES FIXED	4,940,000	7,008,639	7,319,400	
373298BR8	GEORGIA-PACIFIC LLC CALLABLE NOTES FIXED	1,000,000	1,273,630	1,345,880	
373654102	GEOTEK COMMUNICATIONS INC COM STK NPV	167,700	168	168	
2645517	GERDAU SA PREFERENCE BRL 0	291,000	1,083,632	965,619	
B1Y47Y7	GERRESHEIMER AG COMMON STOCK EUR 0	3,550	218,840	264,427	
7698356	GETINGE AB COMMON STOCK SEK 0.5	40,914	855,927	657,986	
6397579	GHCL LTD COMMON STOCK INR 10	125,354	152,879	456,756	
2254645	GILDAN ACTIVEWEAR INC COMMON STOCK CAD 0	25,911	672,862	658,667	
375558BM4	GILEAD SCIENCES INC CALLABLE NOTES FIXED	21,137,000	21,141,926	20,229,377	
375558BL6	GILEAD SCIENCES INC CALLABLE NOTES FIXED	2,985,000	2,946,893	2,878,495	
375558BK8	GILEAD SCIENCES INC CALLABLE NOTES FIXED	8,980,000	8,908,467	8,529,204	
375558BJ1	GILEAD SCIENCES INC CALLABLE NOTES FIXED	17,790,000	17,575,708	17,058,297	
375558BG7	GILEAD SCIENCES INC CALLABLE NOTES FIXED	7,275,000	7,352,441	7,545,557	
375558BF9	GILEAD SCIENCES INC CALLABLE NOTES FIXED	3,582,000	3,608,692	3,631,933	
375558BD4	GILEAD SCIENCES INC CALLABLE NOTES FIXED	25,112,000	25,879,950	25,982,633	
375558BB8	GILEAD SCIENCES INC CALLABLE NOTES FIXED	7,300,000	7,481,293	7,776,942	
375558BA0	GILEAD SCIENCES INC CALLABLE NOTES FIXED	8,590,000	8,830,931	8,582,784	
375558AZ6	GILEAD SCIENCES INC CALLABLE NOTES FIXED	2,660,000	2,657,500	2,689,420	
375558AX1	GILEAD SCIENCES INC CALLABLE NOTES FIXED	12,306,000	12,546,477	12,778,181	
375558AW3	GILEAD SCIENCES INC CALLABLE NOTES FIXED	3,280,000	3,281,004	3,366,690	
375558AS2	GILEAD SCIENCES INC CALLABLE NOTES FIXED	3,206,000	3,518,359	3,705,591	
375558103	GILEAD SCIENCES INC COMMON STOCK USD 0.0	228,222	10,353,792	16,342,977	
5980613	GIVAUDAN SA COMMON STOCK CHF 10	795	1,345,485	1,459,605	
B4PH0C5	GJENSIDIGE FORSIKRING ASA COMMON STOCK N	30,733	515,755	489,146	
3064650	GKN PLC COMMON STOCK GBP 10	658,892	2,941,054	2,700,568	
BZ027D2	GL LTD COMMON STOCK SGD 0.2	168,800	61,517	88,799	
37637Q105	GLACIER BANCORP INC COMMON STOCK USD 0.0	3,625	56,404	131,334	
377372AE7	GLAXOSMITHKLINE CAPITAL INC CALLABLE BON	6,835,000	8,659,487	8,989,734	
377372AJ6	GLAXOSMITHKLINE CAPITAL INC CALLABLE NOT	1,280,000	1,306,176	1,321,882	
37733W105	GLAXOSMITHKLINE PLC ADR USD	35,606	1,459,694	1,371,187	
925288	GLAXOSMITHKLINE PLC COMMON STOCK GBP 25	452,887	9,723,110	8,741,105	
98417EAU4	GLENCORE FINANCE CANADA LTD CALLABLE NOT	2,390,000	2,231,057	2,408,284	
98417EAT7	GLENCORE FINANCE CANADA LTD CALLABLE NOT	5,795,000	5,882,261	5,925,388	
98417EAR1	GLENCORE FINANCE CANADA LTD CALLABLE NOT	2,775,000	2,719,500	2,666,331	
98417EAN0	GLENCORE FINANCE CANADA LTD CALLABLE NOT	1,190,000	1,223,066	1,178,100	
98417EAC4	GLENCORE FINANCE CANADA LTD CALLABLE NOT	720,000	836,582	790,099	
378272AH1	GLENCORE FUNDING LLC CALLABLE BOND FIXED	6,920,000	7,035,929	7,075,700	
378272AF5	GLENCORE FUNDING LLC CALLABLE NOTES FIXE	505,000	464,600	508,202	
B4T3BW6	GLENCORE PLC COMMON STOCK GBP 0.01	2,512,532	7,547,553	8,610,636	
379308AB5	GLITNIR BANKI HF CALLABLE PRIV PLACEMENT	9,560,000	10,116,909	96	
B4KJWS6	GLOBAL LOGISTIC PROPERTIES LTD COMMON ST	597,300	925,336	909,573	
37940X102	GLOBAL PAYMENTS INC COMMON STOCK USD 0	12,254	249,080	850,550	
378973408	GLOBALSTAR INC COMMON STOCK USD 0.0001	12,900	25,962	20,382	
6284864	GLOBE TELECOM INC COMMON STOCK PHP 50	4,475	199,619	135,837	
361841AH2	GLP CAPITAL LP / GLP FINANCING II INC CA	1,780,000	1,797,350	1,856,362	
4501093	GN STORE NORD A/S COMMON STOCK DKK 4	80,985	738,958	1,680,690	
38373RKX6	GNMA 2001-30 FD FLOATING 20/MAR/2031	274,902	279,370	280,310	
38373VPS3	GNMA 2002-64 SG FLOATING 16/SEP/2032	1,244,258	-2,874	187,471	
38373VQE3	GNMA 2002-67 UB FLOATING 20/NOV/2031	187,542	242,727	284,528	
38374ESP3	GNMA 2003-103 SA FLOATING 16/FEB/2033	1,334,670	-3,277	243,867	
38374EP35	GNMA 2003-110 S FLOATING 20/OCT/2033	970,887	-1,739	167,082	
38373SF77	GNMA 2003-24 S FLOATING 16/MAR/2033	918,998	-2,233	140,625	
38373QTX9	GNMA 2003-42 SA FLOATING 16/JUL/2031	2,184,927	22,472	332,971	
38374BY93	GNMA 2003-69 SB FLOATING 16/AUG/2033	1,072,529	-2,633	220,744	
38374B7B3	GNMA 2003-80 SA FLOATING 16/SEP/2033	999,377	-2,454	175,498	
38374FNT7	GNMA 2004-11 SB FLOATING 20/FEB/2034	1,379,503	77,933	341,418	
38374GZK1	GNMA 2004-32 HS FLOATING 16/MAY/2034	1,835,922	-4,508	372,315	
38374HYW4	GNMA 2004-59 NS FLOATING 16/AUG/2034	1,231,170	-3,023	254,351	
38374JQT6	GNMA 2004-81 SK FLOATING 16/OCT/2034	2,038,351	-4,665	340,568	
38374JPK6	GNMA 2004-88 SM FLOATING 16/OCT/2034	1,007,392	-2,264	153,282	
38374JJ72	GNMA 2004-91 PS FLOATING 16/NOV/2034	2,572,906	-5,781	406,215	
38374NGD3	GNMA 2006-28 VS FLOATING 20/JUN/2036	70,537	148,876	229,431	
38375JD69	GNMA 2007-18 CO ZEROCPN 20/MAR/2035	33,156	86,039	27,471	
38375YDS8	GNMA 2008-82 SL FLOATING 20/SEP/2038	495,593	-910	91,512	
38377LAQ1	GNMA 2010-116 HB 4% 20/SEP/2040	1,818,195	2,000,583	1,913,610	
38377FKT7	GNMA 2010-62 OD ZEROCPN 16/MAY/2037	490,901	1,825,450	454,871	
38377GTK5	GNMA 2010-68 WA 3% 16/DEC/2039	481,333	512,620	494,444	
38375C5W6	GNMA 2012-116 DI 2.5% 20/SEP/2027	4,379,230	447,183	353,453	
38378GGU6	GNMA 2012-140 JI 3.5% 20/JAN/2041	3,056,507	377,394	419,885	
38378TEH9	GNMA 2013-82 WI 3.5% 20/JUL/2042	6,739,780	970,026	1,058,407	
38375B5R9	GNMA 2013-H19 DF FLOATING 20/MAY/2063	1,599,901	1,597,911	1,599,245	
38375B6F4	GNMA 2013-H20 FB FLOATING 20/AUG/2063	2,532,268	2,582,700	2,563,606	
38375B8J4	GNMA 2013-H23 TA FLOATING 20/SEP/2063	1,003,236	1,002,575	1,006,017	
38379HSN6	GNMA 2014-188 CI 4% 20/MAY/2044	832,289	127,980	154,740	
38379LAB2	GNMA 2015-42 AI 3% 20/MAY/2039	846,028	77,650	97,017	
38376RHR0	GNMA 2015-H27 FA FLOATING 20/SEP/2065	4,634,379	4,634,379	4,601,449	
38375UXM7	GNMA 2016-H11 F FLOATING 20/MAY/2066	6,785,552	6,761,806	6,754,312	
38376RVV5	GNMA 2016-H14 FA FLOATING 20/JUN/2066	1,102,491	1,098,366	1,097,061	
36182WNU3	GNMA I MORTPASS 3% 15/APR/2045 SF PN# AJ	1,065,792	1,085,609	1,078,464	
36183REA7	GNMA I MORTPASS 3% 15/APR/2045 SF PN# AK	382,399	389,509	386,946	
36184QZK3	GNMA I MORTPASS 3% 15/APR/2045 SF PN# AM	1,142,030	1,163,265	1,155,609	
3617A34Q0	GNMA I MORTPASS 3% 15/JUL/2045 SF PN# AO	188,197	191,696	190,434	
3617A06S0	GNMA I MORTPASS 3% 15/JUL/2045 SF PN# AO	650,524	673,699	658,259	
36186NK40	GNMA I MORTPASS 3% 15/JUN/2045 SF PN# AN	623,129	645,328	630,538	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
36185BTB2	GNMA I MORTPASS 3% 15/MAY/2045 SF PN# AM	135,678	138,200	137,291	
36180NAU9	GNMA I MORTPASS 3.5% 15/APR/2043 SF PN#	496,677	518,096	516,842	
36192YDV6	GNMA I MORTPASS 3.5% 15/DEC/2045 SF PN#	473,811	494,244	494,663	
36185BDX1	GNMA I MORTPASS 3.5% 15/JUL/2045 SF PN#	76,075	79,356	79,404	
36194MZ61	GNMA I MORTPASS 3.5% 15/JUL/2046 SF PN#	144,903	155,250	151,303	
36194MZV6	GNMA I MORTPASS 3.5% 15/JUN/2046 SF PN#	144,865	155,209	151,243	
36180HHA9	GNMA I MORTPASS 3.5% 15/MAY/2043 SF PN#	717,639	748,588	748,448	
36291QQZ0	GNMA I MORTPASS 4% 15/APR/2046 SF PN# 63	89,787	97,320	97,625	
36291FQ27	GNMA I MORTPASS 4% 15/AUG/2045 SF PN# 62	202,400	218,909	220,011	
36291QSA3	GNMA I MORTPASS 4% 15/AUG/2046 SF PN# 63	39,734	43,440	43,216	
36291QSS4	GNMA I MORTPASS 4% 15/DEC/2040 SF PN# 63	29,280	31,861	31,794	
36297GSW1	GNMA I MORTPASS 4% 15/FEB/2042 SF PN# 71	124,678	134,886	135,472	
36188KJN4	GNMA I MORTPASS 4% 15/JUL/2045 SF PN# AP	92,905	101,237	100,012	
36193QC35	GNMA I MORTPASS 4% 15/JUN/2046 SF PN# AS	27,541	29,933	29,955	
36194ADZ7	GNMA I MORTPASS 4% 15/JUN/2046 SF PN# AT	34,653	37,836	37,689	
36291FPJ1	GNMA I MORTPASS 4% 15/MAR/2045 SF PN# 62	253,589	274,272	275,648	
36291FP69	GNMA I MORTPASS 4% 15/MAY/2045 SF PN# 62	57,150	61,731	62,103	
3622A2ST0	GNMA I MORTPASS 4% 15/NOV/2045 SP PN# 78	177,994	192,706	193,725	
36297GRT9	GNMA I MORTPASS 4% 15/OCT/2041 SF PN# 71	78,197	84,513	84,801	
36176ENJ6	GNMA I MORTPASS 4% 15/OCT/2043 SF PN# 76	86,148	93,107	93,578	
36291FR34	GNMA I MORTPASS 4% 15/OCT/2045 SF PN# 62	129,862	140,906	141,164	
36189RSH1	GNMA I MORTPASS 4% 15/OCT/2045 SF PN# AQ	365,401	398,173	393,350	
3617A0TE6	GNMA I MORTPASS 4% 15/SEP/2045 SF PN# AO	72,748	78,625	79,078	
36189RRG4	GNMA I MORTPASS 4% 15/SEP/2045 SF PN# AQ	228,728	249,242	246,212	
3620C1Z74	GNMA I MORTPASS 4.5% 15/APR/2041 SF PN#	548,564	596,563	600,140	
36182KKQ1	GNMA I MORTPASS 4.5% 15/APR/2045 SF PN#	22,923	25,387	25,053	
36291QQ31	GNMA I MORTPASS 4.5% 15/APR/2046 SF PN#	47,846	53,527	53,057	
36291FTD0	GNMA I MORTPASS 4.5% 15/JAN/2046 SF PN#	38,828	42,869	42,011	
36297FRC8	GNMA I MORTPASS 4.5% 15/JUL/2039 SF PN#	37,908	41,225	41,440	
36291QRN6	GNMA I MORTPASS 4.5% 15/JUN/2046 SF PN#	62,138	69,614	68,949	
3620ASAE9	GNMA I MORTPASS 4.5% 15/MAR/2041 SF PN#	140,839	155,539	155,729	
36193PPS8	GNMA I MORTPASS 4.5% 15/MAY/2046 SF PN#	44,524	49,644	49,321	
36193PPR0	GNMA I MORTPASS 4.5% 15/MAY/2046 SF PN#	28,748	32,126	31,918	
36296JCV5	GNMA I MORTPASS 5% 15/AUG/2039 SF PN# 69	275,039	305,294	305,693	
3620A2EW2	GNMA I MORTPASS 5% 15/AUG/2039 SF PN# 71	295,144	327,610	326,571	
3620A8GJ6	GNMA I MORTPASS 5% 15/DEC/2039 SF PN# 72	3,461,407	3,842,162	3,823,505	
3620ALK29	GNMA I MORTPASS 5% 15/FEB/2040 SF PN# 73	882,835	979,947	965,168	
3620A93Z2	GNMA I MORTPASS 5% 15/JAN/2040 SF PN# 72	1,641,370	1,821,921	1,826,139	
3620ASAJ8	GNMA I MORTPASS 5% 15/MAR/2041 SF PN# 73	1,486,070	1,649,538	1,653,253	
36297F2V3	GNMA I MORTPASS 5% 15/NOV/2039 SF PN# 71	6,321	7,016	6,910	
36216AJQ5	GNMA I MORTPASS 7% 15/AUG/2028 SF PN# 15	14,654	14,278	16,342	
36209UR24	GNMA I MORTPASS 7% 15/AUG/2028 SF PN# 48	104	101	107	
36206WK38	GNMA I MORTPASS 7% 15/DEC/2025 SF PN# 42	6,602	6,740	7,093	
36208PD62	GNMA I MORTPASS 7% 15/DEC/2028 SF PN# 45	6,784	6,610	6,917	
36210KMQ5	GNMA I MORTPASS 7% 15/DEC/2028 SF PN# 49	1,452	1,415	1,457	
36208LN86	GNMA I MORTPASS 7% 15/JAN/2028 SF PN# 45	35,571	39,627	38,650	
36225AU24	GNMA I MORTPASS 7% 15/JUL/2027 SF PN# 78	65,115	65,930	75,203	
36208TPN4	GNMA I MORTPASS 7% 15/JUL/2028 SF PN# 46	2,558	2,492	2,587	
36209PSP3	GNMA I MORTPASS 7% 15/JUL/2028 SF PN# 47	947	922	1,044	
36208EX32	GNMA I MORTPASS 7% 15/JUN/2028 SF PN# 44	7,270	7,385	7,971	
36209NH21	GNMA I MORTPASS 7% 15/JUN/2028 SF PN# 47	9,222	8,985	9,641	
36209CSP2	GNMA I MORTPASS 7% 15/MAR/2028 SF PN# 46	42	44	43	
36206PXC9	GNMA I MORTPASS 7% 15/NOV/2025 SF PN# 41	30,944	31,592	33,507	
36208VUH6	GNMA I MORTPASS 7% 15/NOV/2027 SF PN# 46	4,679	5,205	5,161	
36206LT74	GNMA I MORTPASS 7% 15/OCT/2025 SF PN# 41	9,046	9,235	9,803	
36206FTE2	GNMA I MORTPASS 7% 15/OCT/2025 SF PN# 41	5,055	5,161	5,216	
36208E6R9	GNMA I MORTPASS 7% 15/OCT/2027 SF PN# 44	8,815	9,000	9,133	
36210FCP9	GNMA I MORTPASS 7% 15/OCT/2028 SF PN# 49	2,226	2,169	2,443	
36206KHF1	GNMA I MORTPASS 7% 15/SEP/2025 SF PN# 41	9,862	10,069	10,210	
36206FSE3	GNMA I MORTPASS 7% 15/SEP/2025 SF PN# 41	3,865	3,945	4,013	
36208MBU8	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 45	6,108	6,205	6,645	
36208UJAM9	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 46	10,725	10,896	11,954	
36209HC94	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 47	559	570	561	
36210CC43	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 48	22,737	23,188	23,224	
36210CA60	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 48	23,909	24,290	24,627	
36209XA59	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 48	24,497	24,888	24,836	
36209T3X5	GNMA I MORTPASS 7% 15/SEP/2028 SF PN# 48	7,373	7,184	8,030	
36209KWT1	GNMA I MORTPASS 7.5% 15/APR/2028 SF PN#	506	504	527	
36209KW20	GNMA I MORTPASS 7.5% 15/APR/2028 SF PN#	21,480	22,111	21,992	
36209KVQ8	GNMA I MORTPASS 7.5% 15/APR/2028 SF PN#	19,150	19,712	19,217	
36209AKN9	GNMA I MORTPASS 7.5% 15/APR/2028 SF PN#	787	783	790	
36208V4M4	GNMA I MORTPASS 7.5% 15/APR/2028 SF PN#	16,092	16,008	16,089	
36209WBE1	GNMA I MORTPASS 7.5% 15/AUG/2028 SF PN#	7,741	7,701	7,769	
36209DBR4	GNMA I MORTPASS 7.5% 15/AUG/2028 SF PN#	10,250	10,197	11,372	
36224YM55	GNMA I MORTPASS 7.5% 15/DEC/2022 SF PN#	3,506	3,617	3,746	
36210DEL1	GNMA I MORTPASS 7.5% 15/DEC/2028 SF PN#	10,339	10,286	10,507	
36223VV60	GNMA I MORTPASS 7.5% 15/FEB/2022 SF PN#	1,282	1,323	1,341	
36223SB93	GNMA I MORTPASS 7.5% 15/JAN/2022 SF PN#	625	645	627	
36208VXW0	GNMA I MORTPASS 7.5% 15/JAN/2028 SF PN#	6,086	6,054	6,754	
36209TBQ1	GNMA I MORTPASS 7.5% 15/JUL/2028 SF PN#	58,987	58,679	61,277	
36208WED1	GNMA I MORTPASS 7.5% 15/JUL/2028 SF PN#	688	684	706	
36209NFQ0	GNMA I MORTPASS 7.5% 15/JUN/2028 SF PN#	9,834	9,782	10,859	
36209HHY4	GNMA I MORTPASS 7.5% 15/JUN/2028 SF PN#	3,064	3,048	3,148	
36208RX58	GNMA I MORTPASS 7.5% 15/JUN/2028 SF PN#	6,668	6,633	7,372	
36208R6B5	GNMA I MORTPASS 7.5% 15/JUN/2028 SF PN#	3,746	3,727	3,871	
36208LQ75	GNMA I MORTPASS 7.5% 15/JUN/2028 SF PN#	94,836	94,340	100,125	
36208F4J6	GNMA I MORTPASS 7.5% 15/JUN/2028 SF PN#	1,658	1,649	1,663	
36225BDE5	GNMA I MORTPASS 7.5% 15/MAR/2029 SP PN#	77,051	76,654	91,345	
36224B5Q8	GNMA I MORTPASS 7.5% 15/MAY/2022 SF PN#	272	281	273	

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(a)	(b)	(c)	(c)	(d)	(e)
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
36209KY36	GNMA I MORTPASS 7.5% 15/MAY/2028 SF PN#	19,458	19,356	21,421	
36208YP78	GNMA I MORTPASS 7.5% 15/MAY/2028 SF PN#	6,450	6,416	6,472	
36207UTN8	GNMA I MORTPASS 7.5% 15/MAY/2028 SF PN#	1,280	1,273	1,338	
36224QU95	GNMA I MORTPASS 7.5% 15/NOV/2022 SF PN#	843	870	871	
36224NLA9	GNMA I MORTPASS 7.5% 15/NOV/2022 SF PN#	270	279	276	
36209WPW6	GNMA I MORTPASS 7.5% 15/NOV/2028 SF PN#	10,518	10,463	10,929	
36207KFJ4	GNMA I MORTPASS 7.5% 15/NOV/2028 SF PN#	9,987	9,935	11,113	
36224TTQ3	GNMA I MORTPASS 7.5% 15/OCT/2022 SF PN#	2,625	2,708	2,782	
36224NFK4	GNMA I MORTPASS 7.5% 15/OCT/2022 SF PN#	2,049	2,114	2,205	
36224KEK1	GNMA I MORTPASS 7.5% 15/OCT/2022 SF PN#	3,187	3,288	3,423	
36209VYS7	GNMA I MORTPASS 7.5% 15/OCT/2028 SF PN#	836	831	853	
36207QMC8	GNMA I MORTPASS 7.5% 15/OCT/2028 SF PN#	30,358	30,199	30,763	
36224KEH8	GNMA I MORTPASS 7.5% 15/SEP/2022 SF PN#	5,057	5,218	5,180	
36209DEE0	GNMA I MORTPASS 7.5% 15/SEP/2028 SF PN#	4,018	3,997	4,071	
36208YL31	GNMA I MORTPASS 7.5% 15/SEP/2028 SF PN#	2,485	2,472	2,763	
36206AR21	GNMA I MORTPASS 8% 15/APR/2026 SF PN# 40	8,141	8,228	9,057	
36203LDW9	GNMA I MORTPASS 8% 15/JUL/2023 SF PN# 35	11,943	12,055	13,032	
36204P4F6	GNMA I MORTPASS 8% 15/JUN/2025 SF PN# 37	21,765	22,402	24,021	
36203HAY7	GNMA I MORTPASS 8% 15/MAR/2023 SF PN# 34	1,539	1,553	1,582	
36204LD57	GNMA I MORTPASS 8% 15/NOV/2023 SF PN# 37	11,538	11,647	12,430	
36205XV35	GNMA I MORTPASS 9% 15/AUG/2024 SF PN# 40	4,783	4,940	5,366	
36204BTW3	GNMA I MORTPASS 9% 15/SEP/2024 SF PN# 36	9,526	9,838	9,569	
36205XWP5	GNMA I MORTPASS 9% 15/SEP/2024 SF PN# 40	7,011	7,241	7,865	
36179SSP3	GNMA II MORTPASS 3% 20/DEC/2046 SF PN# M	8,710,000	8,853,239	8,831,679	
36179MX47	GNMA II MORTPASS 3.5% 20/JAN/2043 SF PN#	1,403,999	1,481,912	1,466,225	
36179NDR6	GNMA II MORTPASS 3.5% 20/MAY/2043 SF PN#	1,214,377	1,283,018	1,268,138	
36291QQ23	GNMA II MORTPASS 4% 20/APR/2046 SF PN# 6	113,324	122,744	123,302	
36179R7K9	GNMA II MORTPASS 4% 20/APR/2046 SF PN# M	84,029	90,055	89,312	
36291QSB1	GNMA II MORTPASS 4% 20/AUG/2046 SF PN# 6	42,663	46,696	46,420	
36179RVC0	GNMA II MORTPASS 4% 20/DEC/2045 SF PN# M	1,387,927	1,483,184	1,475,200	
36192YFN2	GNMA II MORTPASS 4% 20/FEB/2046 SF PN# A	131,099	141,096	139,268	
36192YFB8	GNMA II MORTPASS 4% 20/FEB/2046 SF PN# A	65,055	70,016	69,111	
36291FTC2	GNMA II MORTPASS 4% 20/JAN/2046 SF PN# 6	80,142	86,854	87,165	
36179RXE4	GNMA II MORTPASS 4% 20/JAN/2046 SF PN# M	753,126	804,812	800,482	
36194MZ20	GNMA II MORTPASS 4% 20/JUL/2046 SF PN# A	240,268	262,080	259,040	
36179SEJ2	GNMA II MORTPASS 4% 20/JUN/2046 SF PN# M	81,778	87,988	86,920	
36179RAF3	GNMA II MORTPASS 4% 20/MAR/2046 SF PN# M	725,129	776,567	770,725	
36193PPQ2	GNMA II MORTPASS 4% 20/MAY/2046 SF PN# A	59,390	64,178	64,030	
36193PPJ3	GNMA II MORTPASS 4% 20/MAY/2046 SF PN# A	394,868	426,704	425,553	
36291FSJ8	GNMA II MORTPASS 4% 20/NOV/2045 SF PN# 6	239,225	255,877	260,255	
3622A2QU9	GNMA II MORTPASS 4% 20/OCT/2045 SP PN# 7	254,213	271,849	275,231	
36189RRH2	GNMA II MORTPASS 4% 20/SEP/2045 SF PN# A	451,109	485,365	486,169	
3617A7ER8	GNMA II MORTPASS 4.5% 20/AUG/2045 SF PN#	55,123	60,032	59,680	
36291QQF4	GNMA II MORTPASS 4.5% 20/FEB/2046 SF PN#	43,761	48,055	47,923	
36291FTE8	GNMA II MORTPASS 4.5% 20/JAN/2046 SF PN#	44,943	49,536	49,269	
3622A2PA4	GNMA II MORTPASS 4.5% 20/JUL/2045 SP PN#	229,191	250,078	249,362	
36291FQJ0	GNMA II MORTPASS 4.5% 20/JUN/2045 SF PN#	29,119	31,890	31,920	
3622A2PB2	GNMA II MORTPASS 4.5% 20/JUN/2045 SP PN#	294,997	323,725	327,261	
36194ADY0	GNMA II MORTPASS 4.5% 20/JUN/2046 SF PN#	31,719	35,287	34,779	
36202FGD2	GNMA II MORTPASS 4.5% 20/MAY/2040 SF PN#	262,898	271,648	283,197	
3622A2PD8	GNMA II MORTPASS 4.5% 20/MAY/2045 SP PN#	111,168	121,646	121,155	
36202FLP9	GNMA II MORTPASS 4.5% 20/OCT/2040 SF PN#	1,134,230	1,236,797	1,227,475	
36189EB62	GNMA II MORTPASS 4.5% 20/OCT/2045 SF PN#	28,318	31,141	31,039	
36291QSQ8	GNMA II MORTPASS 4.5% 20/SEP/2046 SF PN#	28,840	32,346	31,623	
36202EDE6	GNMA II MORTPASS 5% 20/APR/2035 SF PN# 0	211,353	229,954	235,439	
36202ESA8	GNMA II MORTPASS 5% 20/APR/2038 SF PN# 0	537,211	583,474	598,630	
36202EAH9	GNMA II MORTPASS 5% 20/APR/2039 SF PN# 0	5,678	6,178	6,271	
36179MA26	GNMA II MORTPASS 5% 20/APR/2042 SF PN# M	623,265	678,118	679,073	
36179NLG1	GNMA II MORTPASS 5% 20/AUG/2043 SF PN# M	353,018	382,639	382,591	
3620ACVP6	GNMA II MORTPASS 5% 20/DEC/2039 SF PN# 7	37,748	42,702	42,459	
36202FHY5	GNMA II MORTPASS 5% 20/JUL/2040 SF PN# 0	42,257	45,092	46,524	
36179MG87	GNMA II MORTPASS 5% 20/JUL/2042 SF PN# M	320,435	348,636	345,753	
36202FMC7	GNMA II MORTPASS 5% 20/NOV/2040 SF PN# 0	21,696	23,682	23,907	
3622A2R79	GNMA II MORTPASS 5% 20/NOV/2045 SP PN# 7	72,708	82,115	81,260	
36241KVY1	GNMA II MORTPASS 5% 20/OCT/2038 SP PN# 7	348,630	378,210	383,985	
36202FLQ7	GNMA II MORTPASS 5% 20/OCT/2040 SF PN# 0	7,750	8,432	8,635	
36202FKP0	GNMA II MORTPASS 5% 20/SEP/2040 SF PN# 0	968,746	1,036,668	1,066,483	
36225CBP0	GNMA II MORTPASS ARM 20/FEB/2027 AR PN#	20,353	20,898	21,037	
36225CM29	GNMA II MORTPASS ARM 20/FEB/2030 AR PN#	315	323	327	
36225DB94	GNMA II MORTPASS ARM 20/JUL/2034 AR PN#	1,370,503	1,404,957	1,426,419	
380237107	GODADDY INC COMMON STOCK USD 0.001	3,793	114,903	132,565	
B1BDGY0	GODREJ CONSUMER PRODUCTS LTD COMMON STOC	16,781	310,285	373,338	
Y2745C102	GOLAR LNG PARTNERS LP MLP USD	100	1,060	2,404	
*	GCG7C0S	-148	0	712,726	
*	GCJ7C0S	-8	0	47,864	
*	GCZ7COM	163	0	-339,233	
38059T106	GOLD FIELDS LTD ADR USD	148,611	594,206	447,319	
380956AF9	GOLDCORP INC CALLABLE NOTES FIXED 3.625%	1,090,000	1,088,594	1,107,342	
380956AE2	GOLDCORP INC CALLABLE NOTES FIXED 5.45%	760,000	787,152	745,476	
380956409	GOLDCORP INC COMMON STOCK CAD 0	31,147	541,747	423,599	
2676302	GOLDCORP INC COMMON STOCK CAD 0	133,720	1,941,332	1,822,752	
6164472	GOLDEN AGRI-RESOURCES LTD COMMON STOCK S	311,001	84,979	92,566	
38143VAA7	GOLDMAN SACHS CAPITAL I CALLABLE BOND FI	10,335,000	11,924,700	12,287,798	
38148BAB4	GOLDMAN SACHS GROUP INC/THE CALLABLE BON	110,000	110,000	111,100	
38148BAA6	GOLDMAN SACHS GROUP INC/THE CALLABLE BON	8,035,000	8,079,385	8,234,268	
38141GVX9	GOLDMAN SACHS GROUP INC/THE CALLABLE MED	7,550,000	7,555,085	7,696,470	
38141EC31	GOLDMAN SACHS GROUP INC/THE CALLABLE MED	17,810,000	18,108,851	18,697,472	
38141EC23	GOLDMAN SACHS GROUP INC/THE CALLABLE MED	4,850,000	4,837,393	4,950,832	
38148LAE6	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	3,850,000	3,837,603	3,860,010	

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38148LAC0	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	3,960,000	4,011,821	3,907,332	
38145GAJ9	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	1,705,000	1,703,721	1,702,869	
38145GAH3	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	27,314,000	27,119,604	26,685,505	
38145GAG5	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	7,012,000	6,900,957	6,812,579	
38143YAC7	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	7,150,000	6,995,641	8,521,156	
38143UH87	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	7,562,000	7,585,729	7,584,232	
38143U8F1	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	2,795,000	2,829,169	2,807,913	
38141GVU5	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	2,920,000	2,920,297	2,898,801	
38141GVT8	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	85,000	84,764	84,663	
38141GVS0	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	31,731,000	33,996,496	33,496,513	
38141GVP6	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	4,545,000	4,555,103	4,564,634	
38141GCU6	GOLDMAN SACHS GROUP INC/THE CALLABLE NOT	25,751,000	29,789,611	31,123,431	
38141G104	GOLDMAN SACHS GROUP INC/THE COMMON STOCK	47,899	6,055,349	11,469,416	
38141GVM3	GOLDMAN SACHS GROUP INC/THE MEDIUM TERM	24,218,000	24,394,085	25,124,238	
38141EB81	GOLDMAN SACHS GROUP INC/THE MEDIUM TERM	1,000,000	1,016,260	1,031,010	
38141EA66	GOLDMAN SACHS GROUP INC/THE MEDIUM TERM	2,155,000	2,497,623	2,389,766	
38141EA58	GOLDMAN SACHS GROUP INC/THE MEDIUM TERM	5,000	4,914	5,425	
38141EA25	GOLDMAN SACHS GROUP INC/THE MEDIUM TERM	6,535,000	7,714,165	7,244,570	
38148LAF3	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	20,605,000	20,866,229	21,669,454	
38148FAB5	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	765,000	763,432	770,615	
38145XAA1	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	5,555,000	5,566,652	5,614,716	
38141GVR2	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	3,405,000	3,385,259	3,458,935	
38141GRD8	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	17,507,000	17,339,784	17,881,825	
38141GGS7	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	11,575,000	13,094,577	13,012,847	
38141GGM0	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	19,650,000	22,619,613	24,357,551	
38141GFM1	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	4,350,000	4,676,075	4,575,852	
38141GFG4	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	7,000,000	7,945,700	7,292,180	
38141GFD1	GOLDMAN SACHS GROUP INC/THE NOTES FIXED	65,462,000	71,708,895	80,835,751	
B5VVFL2	GOODBABY INTERNATIONAL HOLDINGS LTD COMM	58,000	28,268	27,754	
38239FAC3	GOODMAN FUNDING PTY LTD CALLABLE NOTES F	3,380,000	3,752,307	3,816,257	
B03FYZ4	GOODMAN GROUP REIT AUD 0	77,962	387,332	402,505	
382550BE0	GOODYEAR TIRE & RUBBER CO/THE CALLABLE B	1,210,000	1,216,000	1,246,300	
382550101	GOODYEAR TIRE & RUBBER CO/THE COMMON STO	43,747	1,096,967	1,350,470	
38378BZJ1	GOVERNMENT NATIONAL MORTGAGE ASSOCIATION	15,286,602	579,335	307,701	
38376YGY9	GOVERNMENT NATIONAL MORTGAGE ASSOCIATION	11,147,632	1,123,645	510,271	
38376GGH7	GOVERNMENT NATIONAL MORTGAGE ASSOCIATION	4,386,226	741,482	35,002	
38376GCX6	GOVERNMENT NATIONAL MORTGAGE ASSOCIATION	8,479,856	455,452	63,344	
38374HUJ7	GOVERNMENT NATIONAL MORTGAGE ASSOCIATION	9,749,976	956,788	98	
38376AAA1	GOVERNMENT PROPERTIES INCOME TRUST CALLA	450,000	446,423	454,946	
6365866	GPT GROUP/THE REIT AUD 0	79,051	270,609	287,921	
384109104	GRACO INC COMMON STOCK USD 1	4,447	90,241	369,501	
384637104	GRAHAM HOLDINGS CO COMMON STOCK USD 1	601	175,885	307,682	
385002100	GRAMERCY PROPERTY TRUST	899,781	6,948,603	8,259,990	
388689101	GRAPHIC PACKAGING HOLDING CO COMMON STOC	121,455	1,609,404	1,515,758	
BYQKH33	GRASIM INDUSTRIES LTD COMMON STOCK INR	15,513	225,686	197,198	
7C0988S	GRASIM INDUSTRIES LTD COMMON STOCK INR	28,405	404,459	361,079	
GBP	GREAT BRITAIN POUND		5,247,938	5,190,430	
6235000	GREAT EASTERN HOLDINGS LTD COMMON STOCK	30,300	292,961	425,966	
391164AF7	GREAT PLAINS ENERGY INC CALLABLE NOTES S	2,690,000	3,020,413	2,917,224	
391164100	GREAT PLAINS ENERGY INC COMMON STOCK USD	14,934	327,713	408,445	
6718255	GREAT WALL MOTOR CO LTD COMMON STOCK HKD	815,500	810,857	761,525	
391416104	GREAT WESTERN BANCORP INC COMMON STOCK U	18,954	562,351	826,205	
2384951	GREAT-WEST LIFECO INC COMMON STOCK CAD 0	34,430	881,966	902,952	
39304D102	GREEN DOT CORP COMMON STOCK USD 0.001	17,007	397,147	400,515	
39538VEA2	GREENPOINT MORTGAGE FUNDING TRUST 2005-A	159,229	159,202	136,478	
39539HAA8	GREENPOINT MORTGAGE FUNDING TRUST SERIES	4	0	4	
39538BAA2	GREENPOINT MORTGAGE FUNDING TRUST SERIES	4	0	4	
B03L0B0	GRENDENE SA COMMON STOCK BRL 0	5,200	28,300	28,087	
BYY3DX6	GRIFOLS SA COMMON STOCK EUR 0.25	13,138	264,203	261,626	
7097328	GROUPE BRUXELLES LAMBERT SA COMMON STOCK	14,503	1,241,073	1,219,480	
B292JQ9	GROUPE EUROTUNNEL SE COMMON STOCK EUR 0.	116,156	899,397	1,106,805	
399473107	GROUPON INC COMMON STOCK USD 0.0001	29,437	241,741	97,731	
400110102	GRUBHUB INC COMMON STOCK USD 0.0001	100	3,667	3,762	
B3WBBZ3	GRUPO AEROMEXICO SAB DE CV COMMON STOCK	160,269	240,523	304,178	
B0ZV104	GRUPO AEROPORTUARIO DEL PACIFICO SAB DE	68,600	538,741	567,674	
4.01E+206	GRUPO AEROPORTUARIO DEL SURESTE SAB DE C	3,815	577,445	548,940	
40052VAD6	GRUPO BIMBO SAB DE CV CALLABLE NOTES FIX	2,991,000	2,684,115	2,695,848	
40052VAC8	GRUPO BIMBO SAB DE CV CALLABLE NOTES FIX	1,010,000	997,294	1,004,809	
2392471	GRUPO BIMBO SAB DE CV COMMON STOCK MXN 0	156,300	416,914	356,657	
2421041	GRUPO FINANCIERO BANORTE SAB DE CV COMM	48,500	271,594	240,834	
2374521	GRUPO FINANCIERO SANTANDER MEXICO SAB DE	290,200	522,887	420,196	
2643674	GRUPO MEXICO SAB DE CV COMMON STOCK MXN	193,700	506,582	530,568	
B8RXK54	GRUPO SANBORNS SAB DE CV COMMON STOCK MX	43,142	56,122	45,421	
40049J206	GRUPO TELEvisa SAB ADR USD 0	7,360	202,108	153,750	
40049JAZ0	GRUPO TELEvisa SAB CALLABLE BOND FIXED 6	3,020,000	3,130,117	3,164,598	
BZ1N3D6	GRUPO TELEvisa SAB CALLABLE NOTES FIXED	860,000	857,222	855,700	
40049JBC0	GRUPO TELEvisa SAB CALLABLE NOTES FIXED	8,080,000	8,065,522	8,018,511	
40049JBB2	GRUPO TELEvisa SAB CALLABLE NOTES FIXED	2,500,000	2,484,625	2,532,100	
40049JBA4	GRUPO TELEvisa SAB CALLABLE NOTES FIXED	9,345,000	8,901,675	7,930,074	
6204828	GS HOME SHOPPING INC COMMON STOCK KRW 50	389	76,131	55,397	
36192RAA0	GS MORTGAGE SECURITIES CORP II 2012-BWTR	1,634,000	1,680,425	1,634,150	
36192CAG0	GS MORTGAGE SECURITIES CORP II 2013-GC10	11,868,208	857,652	859,364	
36250GAP0	GS MORTGAGE SECURITIES CORP II 2015-GC30	166,000	172,407	168,419	
36250GAN5	GS MORTGAGE SECURITIES CORP II 2015-GC30	7,500,000	7,416,504	7,475,837	
36192LAA3	GS MORTGAGE SECURITIES CORP TRUST 2012-S	1,095,000	1,126,550	1,110,364	
36248EAC9	GS MORTGAGE SECURITIES TRUST 2010-C2 201	90,022,638	504,936	488,400	
36191YAZ1	GS MORTGAGE SECURITIES TRUST 2011-GC5 20	24,621	24,706	24,609	
36191YAA6	GS MORTGAGE SECURITIES TRUST 2011-GC5 20	1,035,402	49,651	51,396	
36192KAU1	GS MORTGAGE SECURITIES TRUST 2012-GCJ7 2	70,000	72,439	71,197	

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36192KAR8	GS MORTGAGE SECURITIES TRUST 2012-GCJ7 2	224,814	229,555	225,085	
36248GAD2	GS MORTGAGE SECURITIES TRUST 2013-GC16 2	30,000	31,996	32,415	
36248GAB6	GS MORTGAGE SECURITIES TRUST 2013-GC16 2	176,000	180,943	179,657	
36248GAA8	GS MORTGAGE SECURITIES TRUST 2013-GC16 2	9,787	9,773	9,784	
36197XAK0	GS MORTGAGE SECURITIES TRUST 2013-GCJ12	269,000	277,671	274,282	
36251PAE4	GS MORTGAGE SECURITIES TRUST 2016-GS3 20	299,000	307,968	296,154	
36251PAD6	GS MORTGAGE SECURITIES TRUST 2016-GS3 20	199,000	204,957	193,356	
36251XAR8	GS MORTGAGE SECURITIES TRUST 2016-GS4 20	258,000	265,740	262,613	
36252WAZ1	GS MTG SECS TR 2014-GC20 VAR 12APR2047	1,517,646	82,357	85,398	
36254TAL7	GSCCRE COMMERCIAL MORTGAGE TRUST 2015-HU	1,126,000	1,130,398	1,131,625	
36229RKA6	GSR MORTGAGE LOAN TRUST 2003-6F 2003-6F	43,657	48,209	46,066	
36242DJ20	GSR MORTGAGE LOAN TRUST 2005-AR2 2005-AR	3,267	3,116	3,199	
362341LF4	GSR MORTGAGE LOAN TRUST 2005-AR5 2005-AR	1,349,058	1,175,392	1,265,898	
362341RX9	GSR MORTGAGE LOAN TRUST 2005-AR6 2005-AR	942,683	936,269	973,843	
3622MWAR4	GSR MORTGAGE LOAN TRUST 2007-3F 2007-3F	688,293	478,881	634,395	
362290AC2	GSR MORTGAGE LOAN TRUST 2007-AR1 2007-AR	713,224	624,347	642,936	
B77H110	GT CAPITAL HOLDINGS INC COMMON STOCK PHP	13,510	425,101	345,139	
362320BA0	GTE CORP NOTES FIXED 6.94% 15/APR/2028 U	5,280,000	5,421,875	6,582,734	
36246MAU3	GTP ACQUISITION PARTNERS I LLC CALLABLE	2,270,000	2,270,000	2,205,169	
40052B207	GTX INC COMMON STOCK USD 0.001	453	22,691	2,392	
B433995	GUANGZHOU AUTOMOBILE GROUP CO LTD COMMON	640,000	875,931	774,292	
B19H8Y8	GUANGZHOU R&F PROPERTIES CO LTD COMMON S	392,800	528,417	475,222	
40139LAA1	GUARDIAN LIFE GLOBAL FUNDING MEDIUM TERM	840,000	838,891	819,235	
40139LAC7	GUARDIAN LIFE GLOBAL FUNDING NOTES FIXED	800,000	799,472	777,408	
401378AB0	GUARDIAN LIFE INSURANCE CO OF AMERICA/TH	8,255,000	8,251,794	8,108,887	
6358004	GUD HOLDINGS LTD COMMON STOCK AUD 0	15,347	93,772	116,351	
6366999	GUDANG GARAM TBK PT COMMON STOCK IDR 500	121,400	589,469	575,800	
40171V100	GUIDEWIRE SOFTWARE INC COMMON STOCK USD	5,831	348,638	287,643	
6135898	GUJARAT ALKALIES & CHEMICALS LTD COMMON	52,193	180,665	265,925	
402635304	GULFPORT ENERGY CORP COMMON STOCK USD 0.	28,204	956,373	610,335	
402740AD6	GULFSTREAM NATURAL GAS SYSTEM LLC CALLAB	2,815,000	2,813,930	2,916,509	
B064D84	GUNGHO ONLINE ENTERTAINMENT INC COMMON S	235,600	626,627	502,974	
B5VQMV6	GVC HOLDINGS PLC COMMON STOCK GBP 0.01	83,430	655,069	662,355	
404999658	H & F CORPORATE INVESTORS VII, LTD.	100	36,728,672	69,473,159	
404992307	H & F MOBIL MEDIA PARTNERS LLC-IBM	12,967,742	12,967,742	0	
404997215	H&Q VENTURES IV LP IBM	1,852,600	568,346	0	
93671105	H&R BLOCK INC COMMON STOCK USD 0	24,864	434,946	571,623	
B3DJHT2	H&R REAL ESTATE INVESTMENT TRUST REIT CA	15,638	247,457	260,857	
6400626	HACHIJUNI BANK LTD/THE COMMON STOCK JPY	186,631	995,361	1,084,887	
B03N0C7	HACI OMER SABANCI HOLDING AS COMMON STOC	186,188	566,509	484,313	
3A9068S	HAFNIA HLDGS A/S A NPV	1,288,800	654,773	0	
405217100	HAIN CELESTIAL GROUP INC/THE COMMON STOC	8,122	353,554	317,002	
6407122	HAI-O ENTERPRISE BHD COMMON STOCK MYR 0.	36,500	30,603	32,302	
B05LZ02	HAKUHODO DY HOLDINGS INC COMMON STOCK JP	19,260	228,125	237,788	
406216AS0	HALLIBURTON CO BOND FIXED 7.6% 15/AUG/20	1,400,000	1,879,436	1,744,946	
406216BD2	HALLIBURTON CO CALLABLE NOTES FIXED 3.5%	1,950,000	1,952,899	1,980,050	
406216BG5	HALLIBURTON CO CALLABLE NOTES FIXED 3.8%	3,115,000	3,123,322	3,164,529	
406216BA8	HALLIBURTON CO CALLABLE NOTES FIXED 4.5%	1,720,000	1,697,911	1,689,006	
406216BE0	HALLIBURTON CO CALLABLE NOTES FIXED 4.75	9,250,000	9,112,368	9,498,825	
406216BJ9	HALLIBURTON CO CALLABLE NOTES FIXED 4.85	9,450,000	9,333,849	9,966,254	
406216BK6	HALLIBURTON CO CALLABLE NOTES FIXED 5% 1	16,506,000	16,678,439	17,800,896	
406216AW1	HALLIBURTON CO CALLABLE NOTES FIXED 6.7%	1,600,000	2,015,445	1,993,776	
406216AY7	HALLIBURTON CO CALLABLE NOTES FIXED 7.45	1,000,000	1,361,300	1,343,240	
406216101	HALLIBURTON CO COMMON STOCK USD 2.5	74,092	1,567,222	4,007,636	
6405870	HAMAMATSU PHOTONICS KK COMMON STOCK JPY	6,300	169,475	166,095	
406501	HAMMERSON PLC REIT GBP 25	71,583	586,547	506,827	
B0RNR5	HANA FINANCIAL GROUP INC COMMON STOCK KR	110,122	3,121,924	2,849,240	
410345102	HANESBRANDS INC COMMON STOCK USD 0.01	31,964	219,717	689,463	
6408352	HANG LUNG GROUP LTD COMMON STOCK HKD 0	131,000	491,518	456,202	
6030506	HANG LUNG PROPERTIES LTD COMMON STOCK HK	290,734	712,813	616,481	
BP3RQ37	HANG SENG BANK LTD COMMON STOCK HKD 0	32,100	584,245	597,438	
6408374	HANG SENG BANK LTD COMMON STOCK HKD 0	33,727	615,254	627,720	
HIF7IDX	HANG SENG IDX FUT EQUITY INDEX 26/JAN/20	2	0	5,882	
B7T5KQ0	HANKOOK TIRE CO LTD COMMON STOCK KRW 500	17,348	817,866	833,072	
6408664	HANKYU HANSHIN HOLDINGS INC COMMON STOCK	10,145	328,272	326,178	
4511809	HANNOVER RUECK SE COMMON STOCK EUR 0	36,517	3,308,733	3,959,476	
6328933	HANNSTAR BOARD CORP COMMON STOCK TWD 10	330,000	209,326	180,210	
B00LR01	HANON SYSTEMS COMMON STOCK KRW 100.0000	37,246	371,537	317,630	
410867105	HANOVER INSURANCE GROUP INC/THE COMMON S	35,469	2,520,958	3,228,034	
6536684	HANSSEM CO LTD COMMON STOCK KRW 1000	2,181	365,919	359,347	
6408824	HANWA CO LTD COMMON STOCK JPY	61,000	325,739	400,094	
6407768	HANWHA CHEMICAL CORP COMMON STOCK KRW 50	41,424	896,017	847,138	
6496755	HANWHA CORP COMMON STOCK KRW 5000	61,936	2,291,848	1,797,364	
411990211	HARBORVEST INTERNATIONAL PEP IV DIRECT F	100	0	120,087	
41161PTS2	HARBORVIEW MORTGAGE LOAN TRUST 2005-10 2	9,712,611	-16,340	422,862	
41161PLR2	HARBORVIEW MORTGAGE LOAN TRUST 2005-2 20	342,668	343,070	286,370	
41161PSK0	HARBORVIEW MORTGAGE LOAN TRUST 2005-9 20	1,153,396	1,153,396	1,079,448	
41161PA86	HARBORVIEW MORTGAGE LOAN TRUST 2006-1 20	1,686,113	1,686,073	1,224,593	
41161VAC4	HARBORVIEW MORTGAGE LOAN TRUST 2006-7 20	2,570,861	2,570,861	1,846,632	
411992340	HARBORVEST INTL PEP IV PARTNERSHIP	100	0	1,782,725	
4119900A3	HARBORVEST INTL PEP V DIRECT/1133 WEST	100	0	1,349,142	
411990914	HARBOUTVEST INTL PEP V/1133 WEST	100	1,038,335	9,267,829	
B1VZ0M2	HARGREAVES LANSDOWN PLC COMMON STOCK GBP	24,232	399,638	363,200	
41283LAG0	HARLEY-DAVIDSON FINANCIAL SERVICES INC C	1,300,000	1,323,699	1,305,590	
412822AE8	HARLEY-DAVIDSON INC CALLABLE NOTES FIXED	1,880,000	1,908,564	1,857,083	
412822108	HARLEY-DAVIDSON INC COMMON STOCK USD 0.0	31,878	1,177,438	1,859,763	
413086109	HARMAN INTERNATIONAL INDUSTRIES INC COMM	5,608	242,690	623,385	
413216300	HARMONY GOLD MINING CO LTD ADR USD	98,292	305,172	217,225	
413875AE5	HARRIS CORP BOND FIXED 7% 15/JAN/2026 US	2,720,000	3,214,904	3,157,811	

IBM
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Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
413875AP0	HARRIS CORP CALLABLE NOTES FIXED 1.999%	3,060,000	3,040,493	3,061,867	
413875AR6	HARRIS CORP CALLABLE NOTES FIXED 3.832%	4,115,000	4,193,661	4,180,305	
413875AS4	HARRIS CORP CALLABLE NOTES FIXED 4.854%	7,345,000	7,396,714	7,716,951	
413875AT2	HARRIS CORP CALLABLE NOTES FIXED 5.054%	7,970,000	8,213,747	8,414,885	
413875105	HARRIS CORP COMMON STOCK USD 1	12,161	287,940	1,246,138	
416518AC2	HARTFORD FINANCIAL SERVICES GROUP INC CA	1,035,000	1,208,333	1,269,138	
416518AB4	HARTFORD FINANCIAL SERVICES GROUP INC CA	7,455,000	8,339,992	8,269,011	
416515AP9	HARTFORD FINANCIAL SERVICES GROUP INC CA	3,668,000	4,020,143	4,304,361	
416515BB9	HARTFORD FINANCIAL SERVICES GROUP INC/TH	105,000	92,658	97,263	
416515BA1	HARTFORD FINANCIAL SERVICES GROUP INC/TH	1,865,000	2,376,734	2,301,522	
416515AZ7	HARTFORD FINANCIAL SERVICES GROUP INC/TH	9,360,000	10,731,230	10,220,465	
416515AW4	HARTFORD FINANCIAL SERVICES GROUP INC/TH	1,205,000	1,369,749	1,290,555	
416515104	HARTFORD FINANCIAL SERVICES GROUP INC/TH	61,616	2,487,996	2,936,002	
6173508	HARVEY NORMAN HOLDINGS LTD COMMON STOCK	504,133	1,784,743	1,876,319	
418056AS6	HASBRO INC CALLABLE NOTES FIXED 6.35% 15	2,935,000	3,303,857	3,420,508	
418056107	HASBRO INC COMMON STOCK USD 0.5	8,968	184,271	697,621	
BQGWZP9	HAVELLS INDIA LTD COMMON STOCK INR 1	64,315	284,625	324,323	
6415523	HAW PAR CORP LTD COMMON STOCK SGD 0	8,400	53,054	52,853	
419838AA5	HAWAIIAN AIRLINES 2013-1 CLASS A PASS TH	954,004	954,231	974,276	
419870100	HAWAIIAN ELECTRIC INDUSTRIES INC COMMON	17,666	472,731	584,215	
416102	HAYS PLC COMMON STOCK GBP 1	735,463	1,305,096	1,355,892	
4041A2AH7	HBOS PLC MEDIUM TERM NOTE FIXED 6.75% 21	2,700,000	3,082,612	2,847,150	
40412C101	HCA HOLDINGS INC COMMON STOCK USD 0.01	26,667	1,092,946	1,973,891	
404119BU2	HCA INC CALLABLE BOND FIXED 4.5% 15/FEB/	1,416,000	1,384,450	1,391,220	
404119BT5	HCA INC CALLABLE NOTES FIXED 5.25% 15/JU	1,768,000	1,801,283	1,827,670	
404121AE5	HCA INC CALLABLE NOTES FIXED 5.875% 15/M	1,100,000	1,211,375	1,185,250	
404121AC9	HCA INC CALLABLE NOTES FIXED 6.5% 15/FEB	500,000	558,750	547,000	
3C6590B	HCA INC TERM LOAN B6 LX151654	991,754	989,274	1,005,514	
40414LAG4	HCP INC CALLABLE NOTES FIXED 3.15% 01/AU	2,465,000	2,464,975	2,433,941	
40414LAM1	HCP INC CALLABLE NOTES FIXED 3.4% 01/FEB	3,000,000	2,950,830	2,870,460	
40414LAL3	HCP INC CALLABLE NOTES FIXED 3.875% 15/A	685,000	682,466	684,658	
40414LAP4	HCP INC CALLABLE NOTES FIXED 4% 01/DEC/2	2,375,000	2,472,198	2,444,849	
40414LAN9	HCP INC CALLABLE NOTES FIXED 4% 01/JUN/2	442,000	453,651	439,375	
40414LAK5	HCP INC CALLABLE NOTES FIXED 4.2% 01/MAR	3,160,000	3,222,345	3,216,153	
40414LAJ8	HCP INC CALLABLE NOTES FIXED 4.25% 15/NO	8,300,000	8,643,052	8,523,187	
40414LAE9	HCP INC CALLABLE NOTES FIXED 6.75% 01/FE	5,925,000	6,117,203	6,895,693	
40414L109	HCP INC REIT USD 1	51,952	1,505,164	1,544,013	
40416M105	HD SUPPLY HOLDINGS INC COMMON STOCK USD	34,596	1,121,420	1,470,676	
B5Q3JZ5	HDFC BANK LTD COMMON STOCK INR 2	195,075	2,524,444	3,466,914	
42217KBB1	HEALTH CARE REIT INC CALLABLE NOTES FIXE	1,600,000	1,585,216	1,649,248	
42217KBA3	HEALTH CARE REIT INC CALLABLE NOTES FIXE	5,600,000	5,474,609	5,712,616	
42217KAZ9	HEALTH CARE REIT INC CALLABLE NOTES FIXE	1,075,000	1,094,038	1,079,590	
42217KAX4	HEALTH CARE REIT INC CALLABLE NOTES FIXE	3,080,000	3,301,721	3,683,742	
42225P501	HEALTHCARE TRUST OF AMERICA INC REIT USD	134,566	4,169,685	3,917,216	
BP46PW5	HEALTHSCOPE LTD NPV	76,421	134,276	126,720	
421924309	HEALTHSOUTH CORP COMMON STOCK USD 0.01	717	13,654	29,569	
422806208	HEICO CORP COMMON STOCK USD 0.01	3,237	164,575	219,792	
422806109	HEICO CORP COMMON STOCK USD 0.01	1,524	97,917	117,577	
5120679	HEIDELBERGCEMENT AG COMMON STOCK EUR 0	15,896	1,410,998	1,485,998	
B0CCH46	HEINEKEN HOLDING NV COMMON STOCK EUR 1.6	15,803	1,205,768	1,102,436	
6397803	HEINEKEN MALAYSIA BHD COMMON STOCK MYR 0	8,100	29,755	29,576	
7792559	HEINEKEN NV COMMON STOCK EUR 1.6	41,412	1,777,288	3,112,587	
423992544	HELLMAN & FRIEDMAN CAPITAL PARTNERS VIII	100	5,011,138	4,929,926	
423996776	HELLMAN & FRIEDMAN VI/1133 WEST LLC	100	0	22,917,233	
4239981V5	HELLMAN&FRIEDMAN INVESTORS V - BULLSHEAD	100	0	301,991	
423452101	HELMERICH & PAYNE INC COMMON STOCK USD 0	7,707	210,904	596,522	
7189292	HELVETIA HOLDING AG COMMON STOCK CHF 0.1	478	132,335	257,965	
121600	HENDERSON ALTERNATIVE STRATEGIES TRUST P	228,150	870,336	759,052	
526885	HENDERSON EUROPEAN FOCUS TRUST PLC CLOSE	18,063	244,970	246,743	
419929	HENDERSON EUOTRUST PLC CLOSED-END FUND	127,693	1,497,154	1,498,947	
6420538	HENDERSON LAND DEVELOPMENT CO LTD COMMON	51,333	287,106	273,113	
906506	HENDERSON SMALLER COMPANIES INVESTMENT T	176,087	1,060,113	1,438,216	
5002465	HENKEL AG & CO KGAA COMMON STOCK EUR 0	4,577	471,342	477,835	
5076705	HENKEL AG & CO KGAA PREFERENCE EUR 0	11,775	1,471,803	1,406,529	
5687431	HENNES & MAURITZ AB COMMON STOCK SEK 0	43,366	1,186,943	1,209,623	
8C6181F	HENRY HUB NATURAL GAS PUT US 3.00	-9	-4,534	-5,310	
NDH17CS	HENRY LD1 FIX FUT NATURAL GAS 24/FEB/201	-248	0	-490,420	
NDH18CS	HENRY LD1 FIX FUT NATURAL GAS 26/FEB/201	-124	0	-180,589	
NDJ18CO	HENRY LD1 FIX FUT NATURAL GAS 27/MAR/201	120	0	103,343	
NDJ17CO	HENRY LD1 FIX FUT NATURAL GAS 29/MAR/201	240	0	629,400	
806407102	HENRY SCHEIN INC COMMON STOCK USD 0.01	6,531	177,046	990,818	
422864	HERALD INVESTMENT TRUST PLC CLOSED-END F	360,813	3,181,135	3,934,525	
G4412G101	HERBALIFE LTD COMMON STOCK USD 0.002	6,218	132,374	299,335	
42704L104	HERC HOLDINGS INC COMMON STOCK USD 0.01	1,966	127,682	78,955	
5253973	HERMES INTERNATIONAL COMMON STOCK EUR 0	1,734	640,966	713,285	
6327327	HERO MOTOCORP LTD COMMON STOCK INR 2	19,175	871,170	859,908	
427825500	HERSHA HOSPITALITY TRUST REIT USD 0.01	177,729	4,213,113	3,821,174	
427866AW8	HERSHEY CO/THE CALLABLE NOTES FIXED 3.37	1,600,000	1,592,208	1,416,560	
427866108	HERSHEY CO/THE COMMON STOCK USD 1	15,429	698,471	1,595,821	
428040CS6	HERTZ CORP/THE CALLABLE NOTES FIXED 5.5%	530,000	531,289	463,088	
428040CJ6	HERTZ CORP/THE CALLABLE NOTES FIXED 6.75	177,000	183,427	177,000	
42806J106	HERTZ GLOBAL HOLDINGS INC COMMON STOCK U	10,702	649,233	230,735	
42806DAA7	HERTZ VEHICLE FINANCING II LP BOND FIXED	299,000	297,225	296,846	
42805RBN8	HERTZ VEHICLE FINANCING LLC 2013-1A A2 1	262,000	260,772	260,175	
42806DAY5	HERTZ VEHICLE FINANCING LLC 2016-3 2016-	628,000	627,995	621,907	
42806DBC2	HERTZ VEHICLE FINANCING LLC 2016-4 2016-	562,000	561,963	544,565	
42809HAD9	HESS CORP CALLABLE BOND FIXED 5.6% 15/FE	15,161,000	14,913,541	15,329,894	
42809HAC1	HESS CORP CALLABLE BOND FIXED 6% 15/JAN/	2,130,000	2,229,897	2,197,287	
023551AF1	HESS CORP CALLABLE BOND FIXED 7.875% 01/	104,000	128,248	125,396	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
42809HAF4	HESS CORP CALLABLE NOTES FIXED 3.5% 15/J	1,195,000	1,193,399	1,150,199	
42809HAG2	HESS CORP CALLABLE NOTES FIXED 4.3% 01/A	15,015,000	14,855,793	14,946,231	
42809HAH0	HESS CORP CALLABLE NOTES FIXED 5.8% 01/A	8,055,000	8,029,460	8,359,640	
023551AM6	HESS CORP CALLABLE NOTES FIXED 7.125% 15	5,844,000	6,583,415	6,667,829	
023551AJ3	HESS CORP CALLABLE NOTES FIXED 7.3% 15/A	1,693,000	1,975,031	1,971,871	
42809H107	HESS CORP COMMON STOCK USD 1	39,578	1,687,333	2,465,314	
42824CAY5	HEWLETT PACKARD ENTERPRISE CO CALLABLE N	17,664,000	17,460,559	17,842,424	
42824CAX7	HEWLETT PACKARD ENTERPRISE CO CALLABLE N	12,035,000	11,835,536	12,255,241	
42824CAW9	HEWLETT PACKARD ENTERPRISE CO CALLABLE N	7,705,000	7,811,393	7,926,981	
42824CAU3	HEWLETT PACKARD ENTERPRISE CO CALLABLE N	5,285,000	5,362,979	5,336,111	
42824CAS8	HEWLETT PACKARD ENTERPRISE CO CALLABLE N	7,105,000	7,101,021	7,144,504	
42824CAN9	HEWLETT PACKARD ENTERPRISE CO CALLABLE N	4,576,000	4,647,560	4,765,295	
42824C109	HEWLETT PACKARD ENTERPRISE CO COMMON STO	284,989	4,938,365	6,594,645	
428236BV4	HEWLETT-PACKARD CO CALLABLE NOTES FIXED	1,305,000	1,403,736	1,392,957	
428236BR3	HEWLETT-PACKARD CO CALLABLE NOTES FIXED	8,217,000	8,737,392	8,287,913	
428236BF9	HEWLETT-PACKARD CO CALLABLE NOTES FIXED	154,000	160,305	159,449	
B1XF7L2	HEXAGON AB COMMON STOCK SEK 0.22	16,887	593,391	605,059	
428291108	HEXCEL CORP COMMON STOCK USD 0.01	7,441	253,298	382,765	
431116AC6	HIGHMARK INC CALLABLE NOTES FIXED 6.125%	260,000	255,258	240,609	
6154075	HIGHWEALTH CONSTRUCTION CORP COMMON STOC	374,320	549,219	527,293	
431284108	HIGHWOODS PROPERTIES INC REIT USD 0.01	103,216	5,149,479	5,265,048	
6416322	HIKARI TSUSHIN INC COMMON STOCK JPY	900	79,801	84,031	
B0LCW08	HIKMA PHARMACEUTICALS PLC COMMON STOCK G	6,327	133,797	147,994	
431475102	HILL-ROM HOLDINGS INC COMMON STOCK USD 0	5,249	139,526	294,679	
43283X105	HILTON GRAND VACATIONS INC COMMON STOCK	10,200	260,753	263,160	
43300A104	HILTON WORLDWIDE HOLDINGS INC COMMON STO	317,398	7,510,065	8,633,226	
B0GWF48	HINDALCO INDUSTRIES LTD COMMON STOCK INR	424,305	931,650	969,331	
6100476	HINDUSTAN PETROLEUM CORP LTD COMMON STOC	449,022	1,769,404	2,919,602	
6261674	HINDUSTAN UNILEVER LTD COMMON STOCK INR	52,001	716,029	633,137	
6139726	HINDUSTAN ZINC LTD COMMON STOCK INR 2	127,588	433,720	480,123	
6428305	HINO MOTORS LTD COMMON STOCK JPY	99,944	1,066,723	1,019,706	
43599HP03	HIPEP V-ASIA PACIFIC & ROTWP/1133 WEST L	100	-1,422,414	29,490,802	
433992641	HIPEP VI ASIA PACIFIC	100	44,307,795	67,989,664	
298995861	HIPEP VI EUROPEAN SMALL-MEDIUM BUYOUT FU	100	18,521,466	28,589,747	
433999786	HIPEP VII ASIA PACIFIC FUND L.P.	100	15,128,112	16,403,428	
43399AL20	HIPEP VII EUROPE FUND L.P.	100	5,530,687	5,832,100	
6428725	HIROSE ELECTRIC CO LTD COMMON STOCK JPY	1,414	178,900	175,666	
6075723	HIROSHIMA BANK LTD/THE COMMON STOCK JPY	23,000	98,511	107,669	
6428907	HISAMITSU PHARMACEUTICAL CO INC COMMON S	2,579	140,499	129,354	
887315AM1	HISTORIC TW INC BOND FIXED 9.15% 01/FEB/	10,100,000	13,176,662	12,952,745	
887315BN8	HISTORIC TW INC CALLABLE BOND FIXED 6.62	1,136,000	1,160,958	1,389,317	
6429159	HITACHI CAPITAL CORP COMMON STOCK JPY	10,100	219,782	249,134	
6429126	HITACHI CHEMICAL CO LTD COMMON STOCK JPY	55,620	1,191,145	1,393,898	
6429405	HITACHI CONSTRUCTION MACHINERY CO LTD CO	4,749	100,944	103,054	
6642804	HITACHI HIGH-TECHNOLOGIES CORP COMMON ST	26,922	790,018	1,088,329	
6429104	HITACHI LTD COMMON STOCK JPY	1,193,153	5,872,216	6,465,235	
6429201	HITACHI METALS LTD COMMON STOCK JPY	42,798	572,661	581,232	
6429234	HITACHI TRANSPORT SYSTEM LTD COMMON STOC	26,300	540,205	535,087	
B05R492	HITE JINRO CO LTD COMMON STOCK KRW 5000	5,330	106,855	93,114	
42307TAG3	HJ HEINZ FINANCE CO CALLABLE NOTES FIXED	3,125,000	3,922,158	3,787,219	
BJ3WDZ1	HK ELECTRIC INVESTMENTS & HK ELECTRIC IN	117,000	114,183	96,580	
B4TXDZ3	HKT TRUST AND HKT LTD SHARE STAPLED UNIT	117,000	155,060	143,512	
5108664	HOCHTIEF AG COMMON STOCK EUR 0	16,507	2,193,835	2,316,501	
6433127	HOKURIKU ELECTRIC POWER CO COMMON STOCK	15,215	185,955	170,889	
436106AA6	HOLLYFRONTIER CORP CALLABLE BOND FIXED 5	360,000	360,353	367,888	
436106108	HOLLYFRONTIER CORP COMMON STOCK USD 0.01	30,293	913,044	992,399	
436440101	HOLOGIC INC COMMON STOCK USD 0.01	51,162	1,584,760	2,052,619	
437076BP6	HOME DEPOT INC/THE CALLABLE NOTES FIXED	12,957,000	12,135,372	11,341,910	
437076BN1	HOME DEPOT INC/THE CALLABLE NOTES FIXED	1,590,000	1,572,574	1,466,632	
437076BL5	HOME DEPOT INC/THE CALLABLE NOTES FIXED	3,775,000	3,767,072	3,744,989	
437076BH4	HOME DEPOT INC/THE CALLABLE NOTES FIXED	7,500,000	7,847,528	7,873,950	
437076BG6	HOME DEPOT INC/THE CALLABLE NOTES FIXED	2,260,000	2,251,683	2,270,893	
437076BF8	HOME DEPOT INC/THE CALLABLE NOTES FIXED	10,370,000	10,904,616	11,051,309	
437076BD3	HOME DEPOT INC/THE CALLABLE NOTES FIXED	4,505,000	4,662,130	5,061,728	
437076BA9	HOME DEPOT INC/THE CALLABLE NOTES FIXED	8,180,000	8,135,943	8,428,263	
437076AV4	HOME DEPOT INC/THE CALLABLE NOTES FIXED	3,755,000	4,909,828	4,773,619	
437076AU6	HOME DEPOT INC/THE CALLABLE NOTES FIXED	3,900,000	4,625,113	4,647,396	
437076102	HOME DEPOT INC/THE COMMON STOCK USD 0.05	131,573	5,000,932	17,641,308	
437076AS1	HOME DEPOT INC/THE NOTES FIXED 5.875% 16	17,850,000	20,524,736	22,550,976	
6418533	HOME PRODUCT CENTER PCL FOREIGN SH. THB	1,806,400	501,419	514,522	
BYTYFB6	HOMESERVE PLC COMMON STOCK GBP 2.69231	198,150	1,142,740	1,518,033	
6438564	HON HAI PRECISION INDUSTRY CO LTD COMMON	2,081,930	4,718,276	5,439,154	
438124AD1	HONDA AUTO RECEIVABLES 2016-3 OWNER TRUS	1,159,000	1,158,717	1,144,066	
43814RAD8	HONDA AUTO RECEIVABLES 2016-4 OWNER TRUS	816,000	815,797	802,928	
43814RACO	HONDA AUTO RECEIVABLES 2016-4 OWNER TRUS	540,000	539,965	535,692	
6435145	HONDA MOTOR CO LTD COMMON STOCK JPY	126,794	3,573,223	3,712,449	
438516BB1	HONEYWELL INTERNATIONAL INC CALLABLE NOT	2,130,000	2,449,990	2,598,685	
438516106	HONEYWELL INTERNATIONAL INC COMMON STOCK	73,046	2,634,709	8,462,379	
6436557	HONG KONG & CHINA GAS CO LTD COMMON STOC	336,119	656,920	595,664	
HKD COLL	HONG KONG DOLLAR	222,883	28,736	28,747	
6267359	HONG KONG EXCHANGES & CLEARING LTD COMMO	50,667	1,337,751	1,197,216	
6436308	HONG LEONG INDUSTRIES BHD COMMON STOCK M	5,700	6,173	11,944	
6436386	HONGKONG & SHANGHAI HOTELS LTD/THE COMMO	62,210	44,059	69,005	
G4587L109	HONGKONG LAND HOLDINGS LTD COMMON STOCK	328,900	2,011,137	2,081,937	
6434915	HONGKONG LAND HOLDINGS LTD COMMON STOCK	51,499	341,438	325,989	
LX1428260	HOOVER GROUP TL 1L L-LX142826	665,624	602,461	612,374	
B01RQJ0	HOPEFLUENT GROUP HOLDINGS LTD COMMON STO	102,000	30,322	28,285	
440452100	HORMEL FOODS CORP COMMON STOCK USD 0.014	21,673	106,577	754,437	
B3FF8W8	HOSHIZAKI CORP COMMON STOCK JPY	2,200	192,176	174,476	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
6439738	HOSKEN CONSOLIDATED INVESTMENTS LTD COMM	5,386	49,498	53,407	
44106MAQ5	HOSPITALITY PROPERTIES TRUST CALLABLE NO	1,180,000	1,249,502	1,245,738	
44106M102	HOSPITALITY PROPERTIES TRUST REIT USD 0.	19,473	557,269	618,073	
44107P104	HOST HOTELS & RESORTS INC REIT USD 0.01	104,469	1,407,219	1,968,196	
44107TAQ9	HOST HOTELS & RESORTS LP CALLABLE NOTES	1,900,000	2,103,984	2,115,764	
44157R109	HOUGHTON MIFFLIN HARCOURT CO COMMON STOC	2,165	43,640	23,490	
6171900	HOUSING DEVELOPMENT FINANCE CORP LTD COM	156,815	2,866,808	2,917,263	
44267D107	HOWARD HUGHES CORP/THE COMMON STOCK USD	2,940	168,136	335,454	
6441506	HOYA CORP COMMON STOCK JPY	28,608	1,151,507	1,204,560	
40434L105	HP INC COMMON STOCK USD 0.01	319,294	4,107,804	4,738,323	
44328MBT0	HSBC BANK PLC NOTES FIXED 1.5% 15/MAY/20	1,500,000	1,471,035	1,491,645	
44328MAC8	HSBC BANK PLC NOTES FIXED 4.125% 12/AUG/	3,860,000	4,141,471	4,051,224	
597433AC5	HSBC BANK PLC PUTABLE NOTES FIXED 7.65%	6,416,000	8,201,901	7,834,257	
4042Q1AD9	HSBC BANK USA NA NOTES FIXED 7% 15/JAN/2	7,740,000	10,037,742	10,227,404	
4042Q1AB3	HSBC BANK USA NA/NEW YORK NY MEDIUM TERM	10,267,000	10,848,650	11,672,860	
4042Q1AC1	HSBC BANK USA NA/NEW YORK NY NOTES FIXED	700,000	758,667	718,592	
4042Q1AA5	HSBC BANK USA NA/NEW YORK NY NOTES FIXED	8,993,000	9,994,529	10,469,920	
40429CGD8	HSBC FINANCE CORP NOTES FIXED 6.676% 15/	1,640,000	1,875,881	1,843,426	
404280AE9	HSBC HLDGS PLC SUB NT 7.35% 27/NOV/2032	150,000	139,844	188,858	
BYVYKB9	HSBC HOLDINGS PLC CALLABLE BOND VARIABLE	1,715,000	1,827,184	1,870,037	
BQSC322	HSBC HOLDINGS PLC CALLABLE BOND VARIABLE	2,000,000	2,336,616	2,071,023	
404280AT6	HSBC HOLDINGS PLC CALLABLE BOND VARIABLE	3,700,000	3,700,000	3,681,500	
404280AS8	HSBC HOLDINGS PLC CALLABLE BOND VARIABLE	1,020,000	1,020,000	1,003,425	
404280BC2	HSBC HOLDINGS PLC CALLABLE NOTES VARIABL	3,470,000	3,498,050	3,660,850	
6158163	HSBC HOLDINGS PLC COMMON STOCK GBP 0.5	99,766	1,056,376	801,021	
540528	HSBC HOLDINGS PLC COMMON STOCK GBP 0.5	1,483,709	12,643,050	12,043,243	
404280BF5	HSBC HOLDINGS PLC NOTES FIXED 2.65% 05/J	5,890,000	5,884,934	5,750,171	
404280AY5	HSBC HOLDINGS PLC NOTES FIXED 2.95% 25/M	530,000	529,338	529,799	
404280AV1	HSBC HOLDINGS PLC NOTES FIXED 3.4% 08/MA	18,143,000	18,447,311	18,449,254	
404280BA6	HSBC HOLDINGS PLC NOTES FIXED 3.6% 25/MA	2,600,000	2,622,222	2,615,080	
404280BB4	HSBC HOLDINGS PLC NOTES FIXED 3.9% 25/MA	14,704,000	14,780,053	14,804,428	
404280AN9	HSBC HOLDINGS PLC NOTES FIXED 4% 30/MAR/	1,000,000	1,066,120	1,034,350	
404280AP4	HSBC HOLDINGS PLC NOTES FIXED 4.25% 14/M	1,925,000	1,972,605	1,956,050	
404280AU3	HSBC HOLDINGS PLC NOTES FIXED 4.25% 18/A	10,805,000	10,761,117	10,903,866	
404280AW9	HSBC HOLDINGS PLC NOTES FIXED 4.3% 08/MA	5,985,000	5,986,269	6,205,667	
404280BH1	HSBC HOLDINGS PLC NOTES FIXED 4.375% 23/	20,154,000	20,156,371	20,303,543	
404280AL3	HSBC HOLDINGS PLC NOTES FIXED 4.875% 14/	125,000	124,886	134,943	
404280AK5	HSBC HOLDINGS PLC NOTES FIXED 5.1% 05/AP	2,065,000	2,434,399	2,231,666	
404280AQ2	HSBC HOLDINGS PLC NOTES FIXED 5.25% 14/M	6,075,000	6,376,540	6,505,535	
404280AM1	HSBC HOLDINGS PLC NOTES FIXED 6.1% 14/JA	2,855,000	3,451,110	3,550,507	
404280AG4	HSBC HOLDINGS PLC NOTES FIXED 6.5% 02/MA	12,185,000	13,331,741	15,026,786	
404280AH2	HSBC HOLDINGS PLC NOTES FIXED 6.5% 15/SE	42,447,000	46,951,158	52,621,121	
404280AJ8	HSBC HOLDINGS PLC NOTES FIXED 6.8% 01/JU	3,055,000	3,576,843	3,868,760	
404280AX7	HSBC HOLDINGS PLC NOTES VARIABLE 08/MAR/	1,400,000	1,400,000	1,464,428	
760719BH6	HSBC USA INC BOND FIXED 7.2% 15/JUL/2097	550,000	692,934	734,646	
40428HPU0	HSBC USA INC NOTES FIXED 2% 07/AUG/2018	1,910,000	1,906,734	1,909,503	
40428HPV8	HSBC USA INC NOTES FIXED 2.75% 07/AUG/20	5,995,000	5,990,224	6,006,930	
40428HPK2	HSBC USA INC NOTES VARIABLE 24/SEP/2018	6,700,000	6,741,757	6,715,276	
6411877	HUA NAN FINANCIAL HOLDINGS CO LTD COMMON	26,016	14,514	13,117	
6099671	HUANENG POWER INTERNATIONAL INC COMMON S	690,000	713,662	457,440	
B4WBTY3	HUANENG RENEWABLES CORP LTD COMMON STOCK	1,322,000	497,321	429,689	
443510607	HUBBELL INC COMMON STOCK USD 0.01	10,838	854,257	1,264,795	
443628AG7	HUDBAY MINERALS INC CALLABLE NOTES FIXED	1,780,000	1,819,000	1,850,096	
443628AF9	HUDBAY MINERALS INC CALLABLE NOTES FIXED	790,000	804,675	817,650	
444097109	HUDSON PACIFIC PROPERTIES INC REIT USD 0	145,600	4,471,606	5,063,968	
B88MHC4	HUGO BOSS AG COMMON STOCK EUR 0	12,272	826,872	752,428	
6805317	HULIC CO LTD COMMON STOCK JPY	13,200	122,373	117,587	
444859BC5	HUMANA INC CALLABLE NOTES FIXED 2.625% 0	320,000	319,984	322,566	
444859BD3	HUMANA INC CALLABLE NOTES FIXED 3.85% 01	1,990,000	1,987,353	2,037,163	
444859BB7	HUMANA INC CALLABLE NOTES FIXED 4.625% 0	5,082,000	5,101,125	4,875,722	
444859BE1	HUMANA INC CALLABLE NOTES FIXED 4.95% 01	9,065,000	9,137,970	9,527,950	
444859AU6	HUMANA INC CALLABLE NOTES FIXED 6.3% 01/	2,500,000	2,915,350	2,676,775	
444859AY8	HUMANA INC CALLABLE NOTES FIXED 7.2% 15/	1,825,000	2,150,927	1,961,747	
444859AZ5	HUMANA INC CALLABLE NOTES FIXED 8.15% 15	4,662,000	6,470,761	6,335,611	
444859102	HUMANA INC COMMON STOCK USD 0.166	14,069	235,209	2,870,498	
6447678	HUNG POO REAL ESTATE DEVELOPMENT CORP CO	47,000	36,577	37,479	
445545AE6	HUNGARY BOND FIXED 6.375% 29/MAR/2021 US	5,000,000	5,798,260	5,598,800	
446150AK0	HUNTINGTON BANCSHARES INC/OH CALLABLE NO	1,330,000	1,327,992	1,289,954	
446150104	HUNTINGTON BANCSHARES INC/OH COMMON STOC	80,162	765,384	1,059,742	
446413106	HUNTINGTON INGALLS INDUSTRIES INC COMMON	5,823	416,639	1,072,538	
446438RR6	HUNTINGTON NATIONAL BANK/THE CALLABLE NO	10,437,000	10,429,288	10,466,537	
447011107	HUNTSMAN CORP COMMON STOCK USD 0.01	15,815	245,847	301,750	
447462102	HURON CONSULTING GROUP INC COMMON STOCK	500	24,142	25,325	
448055AJ2	HUSKY ENERGY INC CALLABLE NOTES FIXED 3.	540,000	547,150	560,963	
448055AK9	HUSKY ENERGY INC CALLABLE NOTES FIXED 4%	455,000	463,709	463,267	
2623836	HUSKY ENERGY INC COMMON STOCK CAD 0	40,313	426,872	489,690	
B12P.J24	HUSQVARNA AB COMMON STOCK SEK 2	48,829	384,589	380,813	
6802590	HUSTEEL CO LTD COMMON STOCK KRW 5000	4,350	100,704	55,464	
B56ZM74	HUTCHISON PORT HOLDINGS TRUST UNIT USD 0	230,172	100,125	100,125	
44841SAC3	HUTCHISON WHAMPOA INTERNATIONAL 03/33 LT	1,450,000	2,066,395	1,962,198	
44841DA0A	HUTCHISON WHAMPOA INTERNATIONAL 14 LTD B	2,525,000	2,519,193	2,519,142	
448579102	HYATT HOTELS CORP COMMON STOCK USD 0.01	3,068	117,000	169,538	
BYXXJY9	HYDRO ONE LTD COMMON STOCK CAD	20,289	339,858	356,746	
448814DX8	HYDRO-QUEBEC BOND FIXED 8.4% 15/JAN/2022	320,000	453,629	400,003	
6896838	HYOSUNG CORP COMMON STOCK KRW 5000	7,735	667,833	931,812	
6449629	HYSAN DEVELOPMENT CO LTD COMMON STOCK HK	95,007	417,680	392,740	
44890RAD3	HYUNDAI AUTO RECEIVABLES TRUST 2014-A 20	616,000	616,433	616,708	
44891AAG2	HYUNDAI CAPITAL AMERICA CALLABLE MEDIUM	1,015,000	1,014,279	1,007,154	
44891AAE7	HYUNDAI CAPITAL AMERICA CALLABLE MEDIUM	7,685,000	7,679,697	7,705,519	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
44891AAC1	HYUNDAI CAPITAL AMERICA CALLABLE MEDIUM	2,915,000	2,914,650	2,927,156	
44920UAH1	HYUNDAI CAPITAL SERVICES INC BOND FIXED	1,335,000	1,332,584	1,313,640	
6402428	HYUNDAI DEVELOPMENT CO-ENGINEERING & CON	31,768	1,192,227	1,182,291	
6446620	HYUNDAI HEAVY INDUSTRIES CO LTD COMMON S	252	30,263	30,358	
6449544	HYUNDAI MOBIS CO LTD COMMON STOCK KRW 50	1,350	279,449	295,082	
6451055	HYUNDAI MOTOR CO COMMON STOCK KRW 5000	7,368	1,363,506	890,651	
6461850	HYUNDAI STEEL CO COMMON STOCK KRW 5000	14,318	616,827	675,713	
44919P508	IAC/INTERACTIVECORP COMMON STOCK USD 0.0	48,670	2,290,782	3,153,329	
29266MAF6	IBERDROLA INTERNATIONAL BV CALLABLE NOTE	250,000	256,830	305,768	
B288C92	IBERDROLA SA COMMON STOCK EUR 0.75	493,981	3,253,610	3,248,079	
IBF7IDX	IBEX 35 INDX FUTR EQUITY INDEX 20/JAN/20	1	0	1,974	
B0S1651	ICA GRUPPEN AB COMMON STOCK SEK 2.5	37,326	1,211,332	1,141,811	
4554406	ICADE REIT EUR 0	1,466	99,472	104,821	
451102AX5	ICAHN ENTERPRISES LP / ICAHN ENTERPRISES	1,080,000	1,101,600	1,102,950	
588683F	ICE ACAL BRENT CRUDE FUT 12/17 @ 65	-90	85,642	-293,400	
588693F	ICE ACAL BRENT CRUDE FUT 4/17 @ 61 (CO	-36	6,444	-39,240	
588713F	ICE ACAL BRENT CRUDE FUT 4/17 @ 62	-72	-136	-59,040	
588681F	ICE ACAL BRENT CRUDE FUT 6/17 @ 64	-90	25,342	-142,200	
588684F	ICE APUT BRENT CRUDE FUT 12/17 @ 50	-90	-54,558	-265,500	
588682F	ICE APUT BRENT CRUDE FUT 6/17a @ 49	-90	-91,658	-98,100	
B1FF8P7	IDEMITSU KOSAN CO LTD COMMON STOCK JPY	13,496	310,780	359,284	
45167R104	IDEX CORP COMMON STOCK USD 0.01	6,147	171,904	553,599	
45168D104	IDEXX LABORATORIES INC COMMON STOCK USD	10,895	417,965	1,277,657	
6121983	IFCI LTD COMMON STOCK INR 10	1,594,998	685,196	639,221	
B06QFB7	IG GROUP HOLDINGS PLC COMMON STOCK GBP 0	137,538	992,907	839,717	
2469375	IGM FINANCIAL INC COMMON STOCK CAD 0	11,148	306,103	317,552	
6466985	IHI CORP COMMON STOCK JPY	82,712	233,021	215,582	
BFDTB33	IIDA GROUP HLDGS CO LTD NPV	97,300	1,799,693	1,849,480	
6A3843B	ILFC (DELOS FINANCE SARL) TL BL2348854	2,100,000	2,082,694	2,117,997	
44965TAA5	ILFC E-CAPITAL TRUST I CALLABLE BOND VAR	1,100,000	1,057,375	965,250	
44965UAA2	ILFC E-CAPITAL TRUST II CALLABLE BOND VA	2,050,000	1,792,411	1,804,000	
44967H101	ILG INC COMMON STOCK USD 0.01	100	1,817	1,817	
7759435	ILIAD SA COMMON STOCK EUR 0	2,402	471,499	462,746	
452152HU8	ILLINOIS ST FOR ISSUES DTD PRIOR TO 01/1	5,000	5,628	5,299	
452152HT1	ILLINOIS ST FOR ISSUES DTD PRIOR TO 01/1	5,475,000	5,733,876	5,661,041	
452152HS3	ILLINOIS ST FOR ISSUES DTD PRIOR TO 01/1	7,900,000	7,900,000	7,948,743	
452151LF8	ILLINOIS ST FOR ISSUES DTD PRIOR TO 07/0	2,845,000	2,726,424	2,542,008	
452252FH7	ILLINOIS ST TOLL HWY AUTH TOLL HIGHWAY R	760,000	750,548	954,788	
452308AR0	ILLINOIS TOOL WORKS INC CALLABLE NOTES F	1,560,000	1,536,263	1,558,939	
452308109	ILLINOIS TOOL WORKS INC COMMON STOCK USD	29,062	1,104,714	3,558,933	
452327109	ILLUMINA INC COMMON STOCK USD 0.01	11,700	744,072	1,498,068	
6957575	ILUKA RESOURCES LTD COMMON STOCK AUD 0	62,326	322,313	328,097	
B011GL4	IMERYS SA COMMON STOCK EUR 2	5,051	327,503	383,956	
BGLP8L2	IMI PLC COMMON STOCK GBP 28.57	31,798	477,877	408,628	
45254NML8	IMPAC CMB TRUST SERIES 2005-1 2005-1 1A1	1,701,010	1,115,442	1,567,221	
45254TSM7	IMPAC SECURED ASSETS CMN OWNER TRUST 200	2,171,651	2,170,977	1,552,593	
45257EAB0	IMPAC SECURED ASSETS TRUST 2006-5 2006-5	1,767,561	704,045	1,519,397	
45257HAA5	IMPACT FUNDING AFFORDABLE MULTIFAMILY HO	1,445,141	1,638,892	1,595,736	
3123249	IMPAX ENVIRONMENTAL MARKETS PLC CLOSED-E	297,186	568,940	800,535	
453140AF2	IMPERIAL BRANDS FINANCE PLC CALLABLE NOT	7,080,000	7,011,273	7,308,188	
453140AE5	IMPERIAL BRANDS FINANCE PLC CALLABLE NOT	1,485,000	1,544,608	1,524,456	
453140AD7	IMPERIAL BRANDS FINANCE PLC CALLABLE NOT	1,260,000	1,246,354	1,267,711	
453140AC9	IMPERIAL BRANDS FINANCE PLC CALLABLE NOT	345,000	343,379	344,921	
4544492	IMPERIAL BRANDS PLC COMMON STOCK GBP 10	146,049	6,724,031	6,392,988	
2454241	IMPERIAL OIL LTD COMMON STOCK CAD 0	34,221	1,100,719	1,191,949	
453140AB1	IMPERIAL TOBACCO FINANCE PLC CALLABLE NO	5,050,000	4,993,949	5,077,725	
45329R109	INC RESEARCH HOLDINGS INC COMMON STOCK U	100	4,990	5,260	
B61TVQ0	INCHCAPE PLC COMMON STOCK GBP 10	64,723	753,219	561,424	
6673042	INCITEC PIVOT LTD COMMON STOCK AUD 0	74,310	189,096	193,708	
45337C102	INCYTE CORP COMMON STOCK USD 0.001	13,024	571,138	1,305,916	
6462422	INDAH KIAT PULP & PAPER CORP TBK PT COMM	8,700	1,256	617	
6253767	INDIAN OIL CORP LTD COMMON STOCK INR 10	498,088	1,503,457	2,385,494	
454889AQ9	INDIANA MICHIGAN POWER CO CALLABLE NOTES	1,560,000	1,554,649	1,617,985	
454889AN6	INDIANA MICHIGAN POWER CO CALLABLE NOTES	960,000	1,132,128	1,057,978	
454889AM8	INDIANA MICHIGAN POWER CO CALLABLE NOTES	1,600,000	1,879,594	1,916,528	
455434BH2	INDIANAPOLIS POWER & LIGHT CO CALLABLE B	2,920,000	3,709,889	3,434,738	
455434BS8	INDIANAPOLIS PWR & LIGHT 4.7% 01/SEP/204	835,000	921,690	879,814	
89799M034	INDIGO CAPITAL V/1133 WEST LLC	100	596,559	4,106,520	
B29SK75	INDO TAMBANGRAYA MEGAH TBK PT COMMON STO	181,900	129,592	227,839	
B4LD3M8	INDOFOOD CBP SUKSES MAKMUR TBK PT COMMON	881,900	512,470	561,313	
B5V4S12	INDORAMA VENTURES PCL FOREIGN SH. THB 1	371,500	267,818	347,531	
B00FYK2	INDOSAT TBK PT COMMON STOCK IDR 100	106,900	50,014	51,179	
6726753	INDRAPRASTHA GAS LTD COMMON STOCK INR 10	42,563	542,761	575,858	
6100454	INDUSIND BANK LTD COMMON STOCK INR 10	123,977	1,459,884	2,023,783	
BP9DL90	INDUSTRIA DE DISENO TEXTIL SA COMMON STO	48,045	1,593,395	1,643,405	
B1G1QD8	INDUSTRIAL & COMMERCIAL BANK OF CHINA LT	7,665,000	4,670,825	4,597,131	
2543688	INDUSTRIAL ALLIANCE INSURANCE & FINANCIA	37,367	1,436,931	1,487,658	
456463108	INDUSTRIAS BACHOCO SAB DE CV ADR USD	4,861	220,334	238,286	
2448200	INDUSTRIAS PENOLES SAB DE CV COMMON STOC	7,863	168,616	147,348	
B1VSK54	INDUSTRIVARDEN AB COMMON STOCK SEK 2.5	17,986	323,256	336,176	
45660N6S9	INDYMAC INDX MORTGAGE LOAN TRUST 2004-AR	58,910	57,665	55,103	
45660LVL0	INDYMAC INDX MORTGAGE LOAN TRUST 2005-AR	1,639,728	1,233,695	1,370,572	
45660LDG1	INDYMAC INDX MORTGAGE LOAN TRUST 2005-AR	594,591	597,212	592,881	
45669EAL0	INDYMAC INDX MORTGAGE LOAN TRUST 2007-AR	50,374	12,604	12,126	
5889505	INFINEON TECHNOLOGIES AG COMMON STOCK EU	172,018	2,551,358	2,995,508	
45665QAF0	INFINITY PROPERTY & CASUALTY CORP CALLAB	1,615,000	1,739,371	1,646,186	
208204IB	INFLATION SWAP, HICPXT, ZERO COUPON - HI	500,000	0	231	
208201IB	INFLATION SWAP, HICPXT, ZERO COUPON - HI	2,300,000	0	3,610	
208197IB	INFLATION SWAP, HICPXT, ZERO COUPON - HI	1,400,000	0	646	

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208196IB	INFLATION SWAP, HICPXT, ZERO COUPON - HI	1,000,000	0	1,015	
AAI9913C9	INFORMA PLC	3,000,000	3,000,000	2,948,100	
AAI9914C8	INFORMA PLC 1/15/2025	3,000,000	3,000,000	2,927,730	
AAI9936C2	INFORMA PLC 1/25/2027	2,000,000	2,000,000	1,926,780	
BMJ6DW5	INFORMA PLC COMMON STOCK GBP 0.1	115,901	713,284	973,849	
456788108	INFOSYS LTD ADR USD	50,439	813,748	748,010	
B84XBP2	INFRAESTRUCTURA ENERGETICA NOVA SAB DE C	95,000	400,886	416,540	
45685L100	INFRAREIT INC REIT USD 0.01	700	12,420	12,537	
44987CAB4	ING BANK NV NOTES FIXED 1.8% 16/MAR/2018	1,000,000	998,460	998,720	
44987CAJ7	ING BANK NV NOTES FIXED 2% 26/NOV/2018 U	7,560,000	7,540,042	7,556,976	
449786AQ5	ING BANK NV NOTES FIXED 3.75% 07/MAR/201	1,415,000	1,497,650	1,420,985	
449786AY8	ING BANK NV NOTES FIXED 5.8% 25/SEP/2023	1,800,000	1,791,774	1,977,822	
456837AF0	ING GROEP NV CALLABLE NOTES VARIABLE USD	400,000	400,000	385,752	
BZ57390	ING GROEP NV COMMON STOCK EUR 0.01	316,096	4,395,291	4,457,588	
4196897	INGENICO GROUP COMMON STOCK EUR 01	2,418	193,213	193,498	
45687AAJ1	INGERSOLL-RAND GLOBAL HOLDING CO LTD CAL	845,000	829,714	893,706	
45687AAG7	INGERSOLL-RAND GLOBAL HOLDING CO LTD CAL	4,700,000	5,318,343	5,561,416	
456873AC2	INGERSOLL-RAND LUXEMBOURG FINANCE SA CAL	1,105,000	1,105,777	1,127,354	
456873AA6	INGERSOLL-RAND LUXEMBOURG FINANCE SA CAL	1,250,000	1,249,175	1,252,775	
G47791101	INGERSOLL-RAND PLC COMMON STOCK USD 1	22,641	753,630	1,698,981	
45688C107	INGEVITY CORP COMMON STOCK USD 0.01	505	20,232	27,704	
457153AG9	INGRAM MICRO INC CALLABLE NOTES FIXED 5.	1,300,000	1,295,437	1,223,287	
457187102	INGREDION INC COMMON STOCK USD 0.01	5,731	177,412	716,146	
B09LSH6	INMARSAT PLC COMMON STOCK GBP 0.0005	80,377	1,080,065	746,374	
B0CCOM5	INNOLUX CORP COMMON STOCK TWD 10	4,759,703	1,970,403	1,713,133	
45781M101	INNOVIVA INC COMMON STOCK USD 0.01	4,514	50,964	48,300	
45781D101	INOVALON HOLDINGS INC COMMON STOCK USD 0	5,019	100,666	51,696	
B10RB15	INPEX CORP COMMON STOCK JPY	317,100	3,046,798	3,183,642	
45781W109	INSIGHT SELECT INCOME FUND CLOSED-END FU	170,204	3,177,165	3,261,109	
45778Q107	INSPERITY INC COMMON STOCK USD 0.01	7,190	490,280	510,131	
6271026	INSURANCE AUSTRALIA GROUP LTD COMMON STO	107,088	440,390	464,479	
B04YJV1	INTACT FINANCIAL CORP COMMON STOCK CAD 0	15,206	1,055,791	1,089,666	
458140AU4	INTEL CORP CALLABLE NOTES FIXED 2.6% 19/	595,000	593,489	575,478	
458140AS9	INTEL CORP CALLABLE NOTES FIXED 3.7% 29/	760,000	758,868	801,618	
458140AN0	INTEL CORP CALLABLE NOTES FIXED 4% 15/DE	375,000	371,681	386,610	
458140AV2	INTEL CORP CALLABLE NOTES FIXED 4.1% 19/	5,850,000	5,939,894	5,798,403	
458140AP5	INTEL CORP CALLABLE NOTES FIXED 4.25% 15	2,000,000	1,930,803	2,019,040	
458140AK6	INTEL CORP CALLABLE NOTES FIXED 4.8% 01/	7,435,000	7,944,634	8,184,671	
458140AT7	INTEL CORP CALLABLE NOTES FIXED 4.9% 29/	14,689,000	15,796,646	16,432,291	
458140100	INTEL CORP COMMON STOCK USD 0.001	490,644	9,492,219	17,795,658	
45824TAS4	INTELSAT JACKSON HOLDINGS SA CALLABLE NO	2,120,000	2,358,500	2,358,500	
45824TAE5	INTELSAT JACKSON HOLDINGS SA CALLABLE NO	2,800,000	2,777,463	2,352,000	
BDD54N3	INTER PIPELINE LTD COMMON STOCK CAD 0	40,499	791,242	895,112	
45841N107	INTERACTIVE BROKERS GROUP INC COMMON STO	5,029	104,344	183,609	
4581X0CE6	INTER-AMERICAN DEVELOPMENT BANK BOND FIX	525,000	519,976	604,564	
5704608	INTERAMERICANGRD400 (COM REGD)	900	4,838	4,727	
45845P108	INTERCEPT PHARMACEUTICALS INC COMMON STO	1,308	317,579	142,114	
2205706	INTERCONEXION ELECTRICA SA ESP COMMON ST	48,759	153,952	162,097	
45866FAD6	INTERCONTINENTAL EXCHANGE INC CALLABLE N	1,740,000	1,753,070	1,784,987	
45866FAC8	INTERCONTINENTAL EXCHANGE INC CALLABLE N	4,420,000	4,435,650	4,460,542	
45866FAA2	INTERCONTINENTAL EXCHANGE INC CALLABLE N	4,000,000	3,986,880	4,195,782	
BYXK639	INTERCONTINENTAL HOTELS GROUP PLC COMMON	19,939	898,948	896,317	
45866F104	INTERCONTINENTALEXCHANGE INC	120,843	5,769,204	6,817,962	
45867G101	INTERDIGITAL INC/PA COMMON STOCK USD 0.0	15,398	1,035,725	1,406,607	
884494IB	INTEREST RATE SWAP - IRS	5,000,000	0	-43,398	
209524IB	INTEREST RATE SWAP - IRS	20,000,000	0	-23,452	
209523IB	INTEREST RATE SWAP - IRS	21,000,000	0	44	
209499IB	INTEREST RATE SWAP - IRS	1,500,000	0	90,639	
209498IB	INTEREST RATE SWAP - IRS	600,000	0	-59,634	
209482IB	INTEREST RATE SWAP - IRS	1,100,000	0	88,411	
209480IB	INTEREST RATE SWAP - IRS	1,100,000	0	88,411	
209476IB	INTEREST RATE SWAP - IRS	26,700,000	0	-34,592	
209473IB	INTEREST RATE SWAP - IRS	11,200,000	0	-13,858	
209440IB	INTEREST RATE SWAP - IRS	3,000,000	0	66,652	
209439IB	INTEREST RATE SWAP - IRS	3,000,000	0	181,278	
209438IB	INTEREST RATE SWAP - IRS	1,300,000	0	78,554	
209437IB	INTEREST RATE SWAP - IRS	3,500,000	0	77,761	
209436IB	INTEREST RATE SWAP - IRS	3,700,000	0	82,205	
209435IB	INTEREST RATE SWAP - IRS	1,750,000	0	140,092	
209427IB	INTEREST RATE SWAP - IRS	18,300,000	0	-39,275	
209425IB	INTEREST RATE SWAP - IRS	1,750,000	0	140,092	
209412IB	INTEREST RATE SWAP - IRS	1,750,000	0	140,092	
209411IB	INTEREST RATE SWAP - IRS	1,600,000	0	128,084	
209408IB	INTEREST RATE SWAP - IRS	7,900,000	0	-12,959	
209276IB	INTEREST RATE SWAP - IRS	12,400,000	0	-5,023	
209210IB	INTEREST RATE SWAP - IRS	5,500,000	0	-2,228	
209188IB	INTEREST RATE SWAP - IRS	4,400,000	0	-1,782	
209184IB	INTEREST RATE SWAP - IRS	5,800,000	0	21,933	
209178IB	INTEREST RATE SWAP - IRS	39,700,000	0	150,124	
209174IB	INTEREST RATE SWAP - IRS	5,800,000	0	-2,349	
209173IB	INTEREST RATE SWAP - IRS	5,400,000	0	326,300	
209171IB	INTEREST RATE SWAP - IRS	2,200,000	0	-53,488	
209167IB	INTEREST RATE SWAP - IRS	5,100,000	0	-108,099	
209143IB	INTEREST RATE SWAP - IRS	18,100,000	0	-408,635	
209142IB	INTEREST RATE SWAP - IRS	2,000,000	0	160,105	
209140IB	INTEREST RATE SWAP - IRS	12,300,000	0	212,293	
209139IB	INTEREST RATE SWAP - IRS	50,600,000	0	522,605	
209138IB	INTEREST RATE SWAP - IRS	25,800,000	0	-160,917	
209137IB	INTEREST RATE SWAP - IRS	22,100,000	0	-154,925	

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	209136IB	INTEREST RATE SWAP - IRS	41,400,000	0	-877,507
	209131IB	INTEREST RATE SWAP - IRS	1,750,000	0	140,092
	209127IB	INTEREST RATE SWAP - IRS	18,400,000	0	-106,696
	209126IB	INTEREST RATE SWAP - IRS	37,300,000	0	-215,176
	209125IB	INTEREST RATE SWAP - IRS	25,000,000	0	94,537
	209072IB	INTEREST RATE SWAP - IRS	4,000,000	0	-18,930
	209071IB	INTEREST RATE SWAP - IRS	4,000,000	0	-18,825
	209055IB	INTEREST RATE SWAP - IRS	10,000,000	0	-15,563
	209051IB	INTEREST RATE SWAP - IRS	500,000	0	26,570
	209042IB	INTEREST RATE SWAP - IRS	400,000	0	21,256
	209032IB	INTEREST RATE SWAP - IRS	13,700,000	0	1,096,338
	209031IB	INTEREST RATE SWAP - IRS	6,100,000	0	490,278
	208855IB	INTEREST RATE SWAP - IRS	11,300,000	0	7,554
	208826IB	INTEREST RATE SWAP - IRS	6,100,000	0	-30,400
	208824IB	INTEREST RATE SWAP - IRS	37,200,000	0	-185,393
	208817IB	INTEREST RATE SWAP - IRS	43,300,000	0	-216,116
	208815IB	INTEREST RATE SWAP - IRS	37,700,000	0	-187,884
	208800IB	INTEREST RATE SWAP - IRS	2,200,000	0	53,553
	208799IB	INTEREST RATE SWAP - IRS	1,300,000	0	32,533
	208798IB	INTEREST RATE SWAP - IRS	1,300,000	0	31,645
	208797IB	INTEREST RATE SWAP - IRS	800,000	0	20,020
	208780IB	INTEREST RATE SWAP - IRS	1,200,000	0	29,211
	208779IB	INTEREST RATE SWAP - IRS	800,000	0	20,020
	208778IB	INTEREST RATE SWAP - IRS	500,000	0	12,513
	208777IB	INTEREST RATE SWAP - IRS	1,200,000	0	29,211
	208743IB	INTEREST RATE SWAP - IRS	350,000	0	8,520
	208740IB	INTEREST RATE SWAP - IRS	1,200,000	0	29,211
	208691IB	INTEREST RATE SWAP - IRS	3,000,000	0	-6,648
	208444IB	INTEREST RATE SWAP - IRS	160,000,000	0	-158,653
	208443IB	INTEREST RATE SWAP - IRS	5,000,000	0	-4,958
	206852IB	INTEREST RATE SWAP - IRS	1,800,000	0	-1,839
	206848IB	INTEREST RATE SWAP - IRS	9,300,000	0	-9,501
	206068IB	INTEREST RATE SWAP - IRS	49,500,000	0	-673,917
	205576IB	INTEREST RATE SWAP - IRS	26,500,000	0	-276,606
	205569IB	INTEREST RATE SWAP - IRS	900,000	0	-9,394
	205549IB	INTEREST RATE SWAP - IRS	39,700,000	0	-414,388
	204852IB	INTEREST RATE SWAP - IRS	179,200,000	0	-91,208
	204851IB	INTEREST RATE SWAP - IRS	640,000,000	0	-344,328
*	459200JH5	INTERNATIONAL BUSINESS MACHINES CORP CAL	3,425,000	3,845,613	3,734,449
*	459200101	INTERNATIONAL BUSINESS MACHINES CORP COM	167,980	19,018,065	27,883,000
	6455819	INTERNATIONAL CONTAINER TERMINAL SERVICE	179,270	370,678	259,461
	459506101	INTERNATIONAL FLAVORS & FRAGRANCES INC C	10,871	797,936	1,280,930
	G4863A108	INTERNATIONAL GAME TECHNOLOGY PLC COMMON	7,719	141,065	196,989
	459745GC3	INTERNATIONAL LEASE FINANCE CORP CALLABL	5,660,000	5,845,695	6,098,650
	459745GP4	INTERNATIONAL LEASE FINANCE CORP NOTES F	5,003,000	5,070,324	5,096,806
	459745GK5	INTERNATIONAL LEASE FINANCE CORP NOTES F	500,000	607,500	600,625
	459745GH2	INTERNATIONAL LEASE FINANCE CORP NOTES F	1,310,000	1,436,088	1,408,250
	460146CQ4	INTERNATIONAL PAPER CO CALLABLE NOTES FI	10,635,000	10,442,892	10,050,181
	460146CP6	INTERNATIONAL PAPER CO CALLABLE NOTES FI	2,000,000	1,995,880	1,886,880
	460146CN1	INTERNATIONAL PAPER CO CALLABLE NOTES FI	2,645,000	2,617,609	2,758,391
	460146CK7	INTERNATIONAL PAPER CO CALLABLE NOTES FI	2,630,000	2,644,221	2,612,248
	460146CH4	INTERNATIONAL PAPER CO CALLABLE NOTES FI	5,350,000	6,047,279	6,008,104
	460146CF8	INTERNATIONAL PAPER CO CALLABLE NOTES FI	10,275,000	12,747,735	13,092,611
	460146CC5	INTERNATIONAL PAPER CO CALLABLE NOTES FI	5,090,000	6,841,963	7,360,904
	460146103	INTERNATIONAL PAPER CO COMMON STOCK USD	52,782	2,130,177	2,800,613
	B1YKG04	INTERNATIONAL PERSONAL FINANCE PLC COMMO	193,171	736,845	411,266
	460690100	INTERPUBLIC GROUP OF COS INC/THE COMMON	78,955	1,345,394	1,848,337
	460690BK5	INTERPUBLIC GROUP OF COS INC/THE NOTES F	2,550,000	2,451,366	2,570,222
	B0CX3W9	INTERSHOP COMMUNICATIONS AG COMMON STOCK	4	74	5
	461070AK0	INTERSTATE POWER & LIGHT CO CALLABLE BON	3,075,000	3,055,874	3,211,592
	3163836	INTERTEK GROUP PLC COMMON STOCK GBP 1	101,731	2,005,243	4,375,753
	N47279109	INTERXION HOLDING NV COMMON STOCK USD 0.	59,694	1,853,608	2,093,469
	46115HAN7	INTESA SANPAOLO SPA BOND FIXED 2.375% 13	9,495,000	9,618,501	9,496,329
	46115HAU1	INTESA SANPAOLO SPA CALLABLE MEDIUM TERM	800,000	800,000	751,000
	4076836	INTESA SANPAOLO SPA COMMON STOCK EUR 0.5	800,359	1,889,180	2,047,977
	46115HAW7	INTESA SANPAOLO SPA MEDIUM TERM NOTE FIX	6,425,000	6,203,666	6,131,249
	46115HAT4	INTESA SANPAOLO SPA MEDIUM TERM NOTE FIX	6,075,000	6,069,049	5,614,454
	46115HAL1	INTESA SANPAOLO SPA MEDIUM TERM NOTE FIX	1,200,000	1,246,512	1,221,504
	46115HAD9	INTESA SANPAOLO SPA MEDIUM TERM NOTE FIX	2,675,000	3,057,026	2,933,619
	4076847	INTESA SANPAOLO SPA SAVINGS SHARE EUR 0.	41,071	92,311	96,776
	B5282K0	INTL CONSOLIDATED AIRLINE-DI	35,683	193,981	193,038
	6443580	INTOPS CO LTD COMMON STOCK KRW 500	5,144	45,599	43,229
	46116X101	INTRA-CELLULAR THERAPIES INC COMMON STOC	100	1,361	1,509
	46121Y102	INTREPID POTASH INC COMMON STOCK USD 0.0	1,156	1,308	2,404
	46122T102	INTREXON CORP COMMON STOCK USD 0.001	15,940	525,666	387,342
	7371431	INTRUM JUSTITIA AB COMMON STOCK SEK 0.02	9,526	323,486	322,336
	683434	INTU PROPERTIES PLC REIT GBP 50	41,457	136,524	144,100
	461202103	INTUIT INC COMMON STOCK USD 0.01	45,674	3,100,139	5,234,697
	46120E602	INTUITIVE SURGICAL INC COMMON STOCK USD	4,081	1,159,023	2,588,048
	461203101	INVACARE CORP COMMON STOCK USD 0.25	1,400	20,282	18,270
	6459930	INVENTEC CORP COMMON STOCK TWD 10	1,317,000	855,202	903,090
	453530	INVESCO ASIA TRUST PLC CLOSED-END FUND G	245,492	625,728	693,895
	46132L107	INVESCO BOND FUND CLOSED-END FUND USD	244,615	4,458,007	4,522,931
	46132FAC4	INVESCO FINANCE PLC CALLABLE NOTES FIXED	1,585,000	1,737,879	1,735,163
	G491BT108	INVESCO LTD COMMON STOCK USD 0.2	37,877	973,108	1,149,188
	B1FL3C7	INVESCO PERPETUAL UK SMALLER COS INVESTM	174,376	927,385	898,500
	B17BBR6	INVESTEC LTD COMMON STOCK ZAR 0.02	9,251	77,330	61,391
	B17BBQ5	INVESTEC PLC COMMON STOCK GBP 0.02	39,925	275,997	264,427
	B1Y5DN1	INVESTMENT AB LATOUR COMMON STOCK SEK 0	9,336	381,520	351,670

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	G91992480	INVESTMENT COMPANIES-COMMINGLED FUNDS	100	183,372,012	311,376,758
	449998343	INVESTMENT COMPANIES-COMMINGLED FUNDS	25,000,000	82,477,563	100,219,962
	5679591	INVESTOR AB COMMON STOCK SEK 6.25	55,315	1,964,262	2,073,262
	5679579	INVESTOR AB COMMON STOCK SEK 6.25	7,985	283,454	296,034
	46146L101	INVESTORS BANCORP INC COMMON STOCK USD 0	165,940	2,016,448	2,314,863
	46186JAA5	INVITATION HOMES 2015-SFR2 TRUST 2015-SF	4,397,928	4,431,103	4,405,392
	46186YAA2	INVITATION HOMES 2015-SFR3 TRUST 2015-SF	1,767,691	1,767,691	1,772,045
	6109462	INZI CONTROLS CO LTD COMMON STOCK KRW 50	8,500	58,951	36,173
	462222100	IONIS PHARMACEUTIC COMMON STOCK USD 0.00	9,633	548,892	460,746
	44980X109	IPG PHOTONICS CORP COMMON STOCK USD 0.00	2,831	185,565	279,448
	BLP5857	IRISH CONTINENTAL GROUP PLC UNIT EUR 0.0	110,240	230,003	523,240
	46284V101	IRON MOUNTAIN INC REIT USD 0.01	35,875	1,048,711	1,165,220
	B2Q4CL4	ISETAN MITSUKOSHI HOLDINGS LTD COMMON ST	121,088	1,263,459	1,308,105
	464287242	ISHARES IBOX \$ INVESTMENT GRADE CORPORA	48,774	5,835,773	5,715,337
	464286103	ISHARES MSCI AUSTRALIA ETF ETP USD	72,729	1,508,104	1,471,308
	464287465	ISHARES MSCI EAFE ETF ETP USD	129,483	7,701,518	7,475,054
	464286608	ISHARES MSCI EUROZONE ETF ETP USD	6,991	217,890	241,889
	464286707	ISHARES MSCI FRANCE ETF ETP USD	68,822	1,943,893	1,697,839
	46434G822	ISHARES MSCI JAPAN ETF ETP USD	61,980	2,772,312	3,028,343
	464287655	ISHARES RUSSELL 2000 ETF ETP USD	1,642	220,313	221,424
	464592104	ISLE OF CAPRI CASINOS INC COMMON STOCK U	1,004	12,507	24,789
	M5920A109	ISRAEL CHEMICALS LTD COMMON STOCK ILS 1	4,100	29,566	16,851
	6455530	ISRAEL CHEMICALS LTD COMMON STOCK ILS 1	102,003	404,499	418,757
	BSKPF53	ISRAEL ELECTRIC CORP LTD CALLABLE BOND F	3,600,000	3,565,116	3,735,000
	46507NAD2	ISRAEL ELECTRIC CORP LTD CALLABLE MEDIUM	2,000,000	2,124,000	2,080,800
	ILS	ISRAELI SHEKEL		91,910	91,380
	BKJ9RT5	ISS A/S COMMON STOCK DKK 1	22,694	813,610	767,460
	45031UBX8	ISTAR INC CALLABLE BOND FIXED 4% 01/NOV/	1,200,000	1,200,000	1,206,000
	6467104	ISUZU MOTORS LTD COMMON STOCK JPY	26,208	312,507	332,782
	465562106	ITAU UNIBANCO HOLDING SA ADR USD 0	53,705	523,471	552,087
	B037HR3	ITAU UNIBANCO HOLDING SA PREFERENCE BRL	358,826	3,335,659	3,731,914
	2458771	ITAUSA - INVESTIMENTOS ITAU SA PREFERENC	90,900	242,647	231,251
	465685AK1	ITC HOLDINGS CORP CALLABLE NOTES FIXED 3	2,390,000	2,400,445	2,321,766
	465685AJ4	ITC HOLDINGS CORP CALLABLE NOTES FIXED 3	2,640,000	2,620,172	2,646,046
	465685AH8	ITC HOLDINGS CORP CALLABLE NOTES FIXED 5	8,292,000	9,222,769	9,070,453
	B0JGGP5	ITC LTD COMMON STOCK INR 1	256,704	975,043	913,990
	6467803	ITOCHU CORP COMMON STOCK JPY	88,866	1,145,650	1,182,493
	45073V108	ITT INC COMMON STOCK USD 1	7,267	79,385	280,288
	3398649	ITV PLC COMMON STOCK GBP 10	1,346,018	2,878,482	3,432,859
	45071R109	IXIA COMMON STOCK USD 0	2,100	26,660	33,810
	6468282	IYO BANK LTD/THE COMMON STOCK JPY	18,000	108,260	124,388
	46609J106	J ALEXANDER'S HOLDINGS INC COMMON STOCK	726	8,601	7,805
	B23TC12	J FRONT RETAILING CO LTD COMMON STOCK JP	10,655	146,117	143,882
	B019KW7	J SAINSBURY PLC COMMON STOCK GBP 28.5714	553,151	2,005,358	1,703,968
	46647NAJ0	J.P. MORGAN CHASE COMMERCIAL MORTGAGE SE	407,000	407,000	407,508
	46647NAG6	J.P. MORGAN CHASE COMMERCIAL MORTGAGE SE	720,000	720,000	720,913
	48123V102	J2 GLOBAL INC COMMON STOCK USD 0.01	13,020	954,080	1,065,036
	466313103	JABIL CIRCUIT INC COMMON STOCK USD 0.001	14,852	356,909	351,547
	426281101	JACK HENRY & ASSOCIATES INC COMMON STOCK	16,177	936,544	1,436,194
	46849LSH5	JACKSON NATIONAL LIFE GLOBAL FUNDING MED	3,000,000	2,997,180	3,012,300
	46849LSP7	JACKSON NATIONAL LIFE GLOBAL FUNDING NOT	2,000,000	1,998,580	1,972,380
	469814107	JACOBS ENGINEERING GROUP INC COMMON STOC	12,434	365,742	708,738
	B60QWJ2	JAMES HARDIE INDUSTRIES PLC CDI AUD 0.59	80,976	1,199,079	1,288,205
	B8BRV46	JAPAN AIRLINES CO LTD COMMON STOCK JPY	85,300	2,602,452	2,497,531
	6472175	JAPAN AIRPORT TERMINAL CO LTD COMMON STO	1,900	74,330	68,826
	6470351	JAPAN AVIATION ELECTRONICS INDUSTRY LTD	22,000	336,119	310,473
	471048AY4	JAPAN BANK FOR INTERNATIONAL COOPERATION	286,000	286,603	278,896
	471048AW8	JAPAN BANK FOR INTERNATIONAL COOPERATION	898,000	885,015	860,984
	471048AS7	JAPAN BANK FOR INTERNATIONAL COOPERATION	608,000	609,660	593,949
	6743882	JAPAN EXCHANGE GROUP INC COMMON STOCK JP	24,200	346,640	346,500
	6711696	JAPAN PETROLEUM EXPLORATION CO LTD COMMO	14,900	552,230	332,020
	BYT8165	JAPAN POST BANK CO LTD COMMON STOCK JPY	17,900	209,154	215,319
	BYT8143	JAPAN POST HOLDINGS CO LTD COMMON STOCK	133,300	1,809,596	1,667,464
	6528175	JAPAN PRIME REALTY INVESTMENT CORP REIT	37	154,999	146,084
	6397580	JAPAN REAL ESTATE INVESTMENT CORP REIT J	58	317,062	316,766
	6513342	JAPAN RETAIL FUND INVESTMENT CORP REIT J	113	243,799	229,226
	47109U104	JAPAN SMALLER CAPITALIZATION FUND INC CL	372,502	3,181,503	3,620,719
	6474535	JAPAN TOBACCO INC COMMON STOCK JPY	76,454	2,788,378	2,519,734
	JPY	JAPANESE YEN		3,547,553	3,425,989
	6242260	JARDINE CYCLE & CARRIAGE LTD COMMON STOC	8,469	260,641	241,695
	6472119	JARDINE MATHESON HOLDINGS LTD COMMON STO	27,856	885,020	1,539,044
	445658107	JB HUNT TRANSPORT SERVICES INC COMMON ST	7,064	110,769	685,702
	B1V74X7	JBS SA COMMON STOCK BRL 0	426,638	1,712,893	1,494,354
	708160106	JC PENNEY CO INC COMMON STOCK USD 0.5	24,527	740,529	203,819
	7136663	JCDECAUX SA COMMON STOCK EUR 0	15,986	608,568	470,934
	47215P106	JD.COM INC ADR USD 0.00002	14,238	348,190	362,215
	2471541	JEAN COUTU GROUP PJC INC/THE COMMON STOC	9,173	134,932	143,096
	47232MAC6	JEFFERIES FINANCE LLC / JFIN CO-ISSUER C	2,000,000	1,975,000	1,980,000
	47232MAB8	JEFFERIES FINANCE LLC / JFIN CO-ISSUER C	2,000,000	1,915,000	1,930,000
	472319AE2	JEFFERIES GROUP LLC CALLABLE BOND FIXED	250,000	282,318	274,180
	472319AC6	JEFFERIES GROUP LLC CALLABLE BOND FIXED	4,030,000	4,342,915	4,110,036
	472319AM4	JEFFERIES GROUP LLC CALLABLE NOTES FIXED	850,000	881,456	874,642
	B1Y1SQ7	JERONIMO MARTINS SGPS SA COMMON STOCK EU	97,168	1,515,291	1,510,672
	476556DB8	JERSEY CENTRAL POWER & LIGHT CO CALLABLE	8,917,000	9,533,864	9,487,866
	476556CP8	JERSEY CENTRAL POWER & LIGHT CO CALLABLE	1,300,000	1,310,192	1,434,537
	477143101	JETBLUE AIRWAYS CORP COMMON STOCK USD 0.	116,621	2,460,371	2,614,643
	6543792	JFE HOLDINGS INC COMMON STOCK JPY	190,088	3,162,154	2,900,987
	6473468	JGC CORP COMMON STOCK JPY	62,378	1,033,322	1,135,944
	6000305	JIANGXI COPPER CO LTD COMMON STOCK HKD 1	178,000	274,695	248,410

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	832696AD0	JM SMUCKER CO/THE CALLABLE NOTES FIXED 1	550,000	549,175	550,715
	832696AF5	JM SMUCKER CO/THE CALLABLE NOTES FIXED 2	1,710,000	1,708,214	1,718,123
	832696AH1	JM SMUCKER CO/THE CALLABLE NOTES FIXED 3	765,000	768,419	772,390
	832696AM0	JM SMUCKER CO/THE CALLABLE NOTES FIXED 4	4,930,000	5,197,526	4,977,229
	832696A05	JM SMUCKER CO/THE COMMON STOCK USD 0	9,248	278,377	1,184,299
	24422ETB5	JOHN DEERE CAPITAL CORP CALLABLE MEDIUM	850,000	849,448	853,528
	24422ETA7	JOHN DEERE CAPITAL CORP CALLABLE MEDIUM	1,315,000	1,332,042	1,317,472
	24422ESY6	JOHN DEERE CAPITAL CORP MEDIUM TERM NOTE	1,650,000	1,648,614	1,654,901
	410123103	JOHN HANCOCK INCOME SECURITIES TRUST CLO	287,518	4,057,383	4,028,127
	478045AA5	JOHN SEVIER COMBINED CYCLE GENERATION LL	2,457,340	2,591,895	2,583,156
	968223206	JOHN WILEY & SONS INC COMMON STOCK USD 1	3,711	115,143	202,250
	478111AC1	JOHNS HOPKINS HEALTH SYSTEM CORP/THE CAL	1,237,000	1,237,000	1,173,010
	478115AB4	JOHNS HOPKINS UNIVERSITY CALLABLE NOTES	210,000	210,000	210,422
	478160AL8	JOHNSON & JOHNSON BOND FIXED 4.95% 15/MA	375,000	413,276	437,333
	478160BV5	JOHNSON & JOHNSON CALLABLE NOTES FIXED 3	16,158,000	16,045,118	15,921,447
	478160BU7	JOHNSON & JOHNSON CALLABLE NOTES FIXED 3	8,015,000	8,035,433	8,019,889
	478160BJ2	JOHNSON & JOHNSON CALLABLE NOTES FIXED 4	2,700,000	2,826,127	2,968,542
	478160BA1	JOHNSON & JOHNSON CALLABLE NOTES FIXED 4	250,000	302,929	293,200
	478160AV6	JOHNSON & JOHNSON CALLABLE NOTES FIXED 4	900,000	1,019,786	1,005,732
	478160AU8	JOHNSON & JOHNSON CALLABLE NOTES FIXED 5	15,000	18,162	15,858
	478160AN4	JOHNSON & JOHNSON CALLABLE NOTES FIXED 5	1,745,000	2,383,365	2,289,248
	478160104	JOHNSON & JOHNSON COMMON STOCK USD 1	347,572	20,248,565	40,043,770
	G51502105	JOHNSON CONTROLS INTERNATIONAL	73,505	1,782,212	3,027,671
	478375AS7	JOHNSON CONTROLS INTERNATIONAL PLC CALLA	15,410,000	15,423,804	16,395,315
	478375AR9	JOHNSON CONTROLS INTERNATIONAL PLC CALLA	1,220,000	1,211,265	1,256,612
	478375AN8	JOHNSON CONTROLS INTERNATIONAL PLC CALLA	16,188,000	16,321,543	15,096,281
	478375AL2	JOHNSON CONTROLS INTERNATIONAL PLC CALLA	5,740,000	5,825,792	5,698,155
	478375AK4	JOHNSON CONTROLS INTERNATIONAL PLC CALLA	1,310,000	1,444,668	1,409,455
	478375AG3	JOHNSON CONTROLS INTERNATIONAL PLC CALLA	2,620,000	2,618,638	2,656,994
	BZ4BQC7	JOHNSON MATTHEY PLC COMMON STOCK GBP 110	40,439	1,734,064	1,589,996
	6474494	JOLIBEE FOODS CORP COMMON STOCK PHP 1	94,010	446,814	366,868
	48020Q107	JONES LANG LASALLE INC COMMON STOCK USD	3,583	266,476	362,026
	46627MDD6	JP MORGAN ALTERNATIVE LOAN TRUST 2006-A1	3,544,900	2,382,368	2,696,342
	587797W	JP MORGAN CCP COLLATERAL	262,163	262,163	262,163
*	48123UAA2	JP MORGAN CHASE CAPITAL XXIII CALLABLE N	2,625,000	1,732,500	2,166,938
	46645UAV9	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	22,254,000	1,123,168	1,131,200
	46642CBE9	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	180,000	184,627	183,702
	46640JAS6	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	292,000	312,759	302,812
	46640JAP2	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	108,000	109,713	109,514
	46639JAD2	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	600,000	605,995	606,672
	46639EAG6	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	18,254,047	1,190,504	1,139,770
	46639EAB7	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	163,937	165,340	164,129
	46638UAE6	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	12,943,535	1,010,190	868,594
	46636DAE6	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	796,554	840,620	819,667
	46636AAC6	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	705,000	761,231	740,037
	46635TAN2	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	2,943,895	86,101	79,663
	46635TAK8	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	827,694	834,972	852,298
	46635GAC4	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	140,177	143,189	142,274
	46632MBY5	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	233,366	239,155	237,655
	46630DAD4	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	215,919	220,912	220,752
	46625YCV3	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	6,620	6,882	6,607
	46590MAS9	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	270,000	278,099	266,294
	46590MAN0	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	201,067	199,119	198,142
	46590KAF1	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	111,000	114,330	116,021
	466247LZ4	JP MORGAN MORTGAGE TRUST 2005-A1 2005-A1	60,542	57,080	59,572
	4.66E+79	JP MORGAN MORTGAGE TRUST 2006-A1 2006-A1	454,013	450,593	400,195
	46630GAV7	JP MORGAN MORTGAGE TRUST 2007-A1 2007-A1	1,079,202	1,068,620	1,079,622
	46631NEZ8	JP MORGAN MORTGAGE TRUST 2007-S3 2007-S3	51,736	46,541	51,137
	46645LAZ0	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	408,000	420,239	416,439
	46644YBD1	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	1,730,000	1,389,008	1,237,806
	46644UBE7	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	464,000	481,034	487,551
	46644FAC5	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	790,000	801,484	778,174
	46644FAB7	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	189,000	192,987	192,499
	46644ABG6	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	3,100,000	3,193,000	3,135,353
	46642EAY2	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	291,000	314,678	304,877
	46640NAB4	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	186,216	191,744	189,734
	46640LAE2	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	144,000	156,195	151,404
	553998162	JPMCB LIQUIDITY	34,420,609	34,420,609	34,420,609
	481992709	JPMCB MORTGAGE PRIVATE PLMT FD	7,365,853	117,661,059	308,629,237
	465962AA6	JPMCC RE-REMIC TRUST 2016-FLRR 2016-FLRR	5,500,000	5,500,000	5,499,996
	46646RAL7	JPMDB COMMERCIAL MORTGAGE SECURITIES TRU	17,535,325	1,109,825	1,101,140
	46590LAU6	JPMDB COMMERCIAL MORTGAGE SECURITIES TRU	396,000	407,880	394,735
	132077	JPMORGAN ASIAN INVESTMENT TRUST PLC CLOS	204,501	669,228	689,848
*	46625HHF0	JPMORGAN CHASE & CO BOND FIXED 6.4% 15/M	25,945,000	32,132,741	33,619,012
*	46625HQJ2	JPMORGAN CHASE & CO CALLABLE BOND FIXED	3,155,000	3,217,154	3,145,093
*	46623EKG3	JPMORGAN CHASE & CO CALLABLE BOND FIXED	12,375,000	12,389,387	12,145,691
*	48124BAC9	JPMORGAN CHASE & CO CALLABLE BOND VARIAB	400,000	407,020	382,560
*	46625HJW1	JPMORGAN CHASE & CO CALLABLE BOND VARIAB	1,400,000	1,488,060	1,407,000
*	46625HJQ4	JPMORGAN CHASE & CO CALLABLE BOND VARIAB	3,900,000	3,996,938	4,202,250
*	46625HHA1	JPMORGAN CHASE & CO CALLABLE BOND VARIAB	9,939,000	10,554,291	10,291,835
*	46623EKD0	JPMORGAN CHASE & CO CALLABLE MEDIUM TERM	8,145,000	8,174,064	8,144,267
*	48128BAB7	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	1,610,000	1,609,952	1,604,607
*	46625HRX0	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	12,515,000	12,489,733	12,141,928
*	46625HRV4	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	18,376,000	18,204,040	17,539,708
*	46625HRT9	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	6,668,000	6,657,398	6,606,721
*	46625HRS1	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	13,664,000	13,747,411	13,373,640
*	46625HRL6	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	1,480,000	1,476,063	1,448,017
*	46625HQW3	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	9,415,000	9,554,307	9,250,708
*	46625HKA7	JPMORGAN CHASE & CO CALLABLE NOTES FIXED	27,436,000	27,430,612	27,371,525

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
*	46625HRW2	JPMORGAN CHASE & CO CALLABLE NOTES VARIA	430,000	430,000	438,587
*	46625H100	JPMORGAN CHASE & CO COMMON STOCK USD 1	385,299	15,409,841	33,247,451
*	46625HJU5	JPMORGAN CHASE & CO MEDIUM TERM NOTE FIX	3,320,000	3,788,987	3,694,363
*	46625HJH4	JPMORGAN CHASE & CO NOTES FIXED 3.2% 25/	2,785,000	2,768,883	2,815,997
*	46625HJU0	JPMORGAN CHASE & CO NOTES FIXED 3.375% 0	770,000	730,315	767,243
*	46625HJX9	JPMORGAN CHASE & CO NOTES FIXED 3.625% 1	3,725,000	3,723,778	3,789,033
*	46625HJT8	JPMORGAN CHASE & CO NOTES FIXED 3.875% 0	9,188,000	9,184,600	9,522,259
*	46625HJZ4	JPMORGAN CHASE & CO NOTES FIXED 4.125% 1	17,110,000	17,598,857	17,463,493
*	46625HJN5	JPMORGAN CHASE & CO NOTES FIXED 4.25% 01	7,419,000	7,451,381	7,622,503
*	46625HHU7	JPMORGAN CHASE & CO NOTES FIXED 4.25% 15	1,250,000	1,260,320	1,322,800
*	46625HJC5	JPMORGAN CHASE & CO NOTES FIXED 4.35% 15	11,970,000	12,840,254	12,805,506
*	46625HHS2	JPMORGAN CHASE & CO NOTES FIXED 4.4% 22/	2,270,000	2,408,386	2,411,217
*	46625HJD3	JPMORGAN CHASE & CO NOTES FIXED 4.5% 24/	10,120,000	10,877,784	10,913,712
*	46625HLL2	JPMORGAN CHASE & CO NOTES FIXED 4.95% 01	12,996,000	13,162,990	13,857,765
*	46625HHQ6	JPMORGAN CHASE & CO NOTES FIXED 4.95% 25	2,235,000	2,493,120	2,408,123
*	48126BAA1	JPMORGAN CHASE & CO NOTES FIXED 5.4% 06/	11,090,000	13,228,780	12,994,042
*	46625HHV5	JPMORGAN CHASE & CO NOTES FIXED 5.5% 15/	14,475,000	15,497,677	17,098,160
*	46625HJB7	JPMORGAN CHASE & CO NOTES FIXED 5.6% 15/	6,105,000	6,916,763	7,300,359
*	46625HJM3	JPMORGAN CHASE & CO NOTES FIXED 5.625% 1	11,689,000	11,706,095	13,413,478
*	46625HGN4	JPMORGAN CHASE & CO NOTES FIXED 6.125% 2	4,800,000	5,467,536	4,905,120
*	46625HHL7	JPMORGAN CHASE & CO NOTES FIXED 6.3% 23/	3,200,000	3,759,808	3,496,768
*	48121CYK6	JPMORGAN CHASE BANK NA NOTES FIXED 6% 01	9,122,000	10,283,350	9,413,722
*	48121CVZ6	JPMORGAN CHASE BANK NA NOTES FIXED 6% 05	2,675,000	3,006,620	2,735,535
	341895	JPMORGAN EMERGING MARKETS INVESTMENT TRU	108,387	1,000,435	925,445
	B18JK16	JPMORGAN EUROPEAN INVESTMENT TRUST PLC -	1,107,363	3,166,274	3,543,931
	BMT50Z3	JPMORGAN EUROPEAN SMALLER COMPANIES TRUS	859,123	2,578,883	3,110,416
	BYMKY69	JPMORGAN GLOBAL GROWTH & INCOME PLC	327,400	999,999	1,113,529
	316581	JPMORGAN JAPAN SMALLER COMPANIES TRUST P	486,961	1,501,599	1,817,174
	174002	JPMORGAN JAPANESE INVESTMENT TRUST PLC C	1,202,045	4,115,700	4,882,946
	JPY COLL	JPY CASH COLLATERAL	20,836,836	183,690	178,650
	B12W5L6	JSE LTD COMMON STOCK ZAR 0.1	7,625	73,495	91,595
	6470986	JSR CORP COMMON STOCK JPY	41,303	609,648	652,647
	6497082	JTEKT CORP COMMON STOCK JPY	64,615	979,684	1,035,967
	B0N6Y91	JU TENG INTERNATIONAL HOLDINGS LTD COMMO	156,000	64,005	48,290
	B4R2R50	JULIUS BAER GROUP LTD COMMON STOCK CHF 0	9,858	426,135	438,705
	48203RAL8	JUNIPER NETWORKS INC CALLABLE NOTES FIXE	3,255,000	3,263,354	3,306,982
	48203RAD6	JUNIPER NETWORKS INC CALLABLE NOTES FIXE	3,575,000	3,629,080	3,656,725
	48203R104	JUNIPER NETWORKS INC COMMON STOCK USD 0.	50,651	2,032,018	1,431,397
	48205A109	JUNO THERAPEUTICS INC COMMON STOCK USD 0	5,072	209,446	95,607
	19772	JUPITER EUROPEAN OPPORTUNITIES TRUST PLC	182,446	1,347,453	1,232,026
	B53P200	JUPITER FUND MANAGEMENT PLC COMMON STOCK	100,512	483,729	550,941
	BKX5CN8	JUST EAT PLC COMMON STOCK GBP 1	101,408	595,101	731,153
	B627LW9	JX HOLDINGS INC COMMON STOCK JPY	698,732	2,800,558	2,963,628
	B54C017	K+S AG COMMON STOCK EUR 0	41,375	1,026,224	990,198
	48305QAB9	KAISER FOUNDATION HOSPITALS CALLABLE NOT	695,000	684,412	765,647
	48305QAA1	KAISER FOUNDATION HOSPITALS CALLABLE NOT	181,000	187,532	186,783
	6481320	KAJIMA CORP COMMON STOCK JPY	37,727	245,926	261,681
	6689533	KAKAKU.COM INC COMMON STOCK JPY	6,400	107,303	106,123
	B7311V6	KALBE FARMA TBK PT COMMON STOCK IDR 10	3,992,100	403,210	448,917
	B02N266	KALPATARU POWER TRANSMISSION LTD COMMON	10,692	36,027	39,156
	6482668	KAMIGUMI CO LTD COMMON STOCK JPY	66,670	563,713	636,776
	6483360	KANEKA CORP COMMON STOCK JPY	12,382	93,855	101,065
	6483489	KANSAI ELECTRIC POWER CO INC/THE COMMON	31,073	303,536	340,475
	6483746	KANSAI PAINT CO LTD COMMON STOCK JPY	10,248	215,808	189,171
	485134BM1	KANSAS CITY POWER & LIGHT CO CALLABLE NO	2,015,000	2,105,071	2,152,665
	485170302	KANSAS CITY SOUTHERN COMMON STOCK USD 0.	10,343	428,803	877,604
	485260BM4	KANSAS GAS & ELECTRIC CO CALLABLE BOND F	2,490,000	2,557,561	2,541,194
	485429Z64	KANSAS ST DEV FIN AUTH REV FOR ISSUES DA	3,155,000	3,155,000	3,307,387
	6483809	KAO CORP COMMON STOCK JPY	67,798	2,262,915	3,220,892
	48238T109	KAR AUCTION SERVICES INC COMMON STOCK US	132,584	4,632,497	5,650,730
	6888794	KASIKORNBANK PCL FOREIGN SH. THB 10	34,100	159,785	169,022
	485865109	KATE SPADE & CO COMMON STOCK USD 1	10,818	399,576	201,972
	6484620	KAWASAKI HEAVY INDUSTRIES LTD COMMON STO	434,001	1,265,076	1,365,614
	482998416	KB EMF III SF IBM	100	3,926,912	0
	B3DF0Y6	KB FINANCIAL GROUP INC COMMON STOCK KRW	10,346	363,689	366,624
	6162164	KB INSURANCE CO LTD COMMON STOCK KRW 500	18,828	470,492	407,644
	B80R879	KBC BANK NV CALLABLE NOTES VARIABLE 25J	2,000,000	2,187,699	2,109,000
	4497749	KBC GROUP NV COMMON STOCK EUR 0	24,891	1,453,647	1,544,510
	48242W106	KBR INC COMMON STOCK USD 0.001	11,560	184,786	192,936
	KWN7COM	KC HRW WHEAT FUT WHEAT 14/JUL/2017 KWN7	272	0	-157,403
	KWH7COS	KC HRW WHEAT FUT WHEAT 14/MAR/2017 KWH7	-35	0	-12,841
*	KWH7COM	KC HRW WHEAT FUT WHEAT 14/MAR/2017 KWH7	189	0	-68,722
	6248990	KDDI CORP COMMON STOCK JPY	211,102	5,678,561	5,356,509
	48716P108	KEARNY FINANCIAL CORP/MD COMMON STOCK US	3,000	37,648	46,650
	6487232	KEIHAN HOLDINGS CO LTD COMMON STOCK JPY	23,000	148,199	151,447
	6487328	KEIHIN CORP COMMON STOCK JPY	34,200	559,825	600,520
	6487306	KEIKYU CORP COMMON STOCK JPY	21,156	225,738	245,779
	6487362	KEIO CORP COMMON STOCK JPY	25,577	206,845	210,739
	6487425	KEISEI ELECTRIC RAILWAY CO LTD COMMON ST	6,210	145,531	151,050
	487836BP2	KELLOGG CO CALLABLE NOTES FIXED 3.25% 01	3,800,000	3,929,200	3,709,446
	487836BC1	KELLOGG CO CALLABLE NOTES FIXED 4.15% 15	554,000	599,988	583,960
	487836BQ0	KELLOGG CO CALLABLE NOTES FIXED 4.5% 01/	5,100,000	5,056,093	4,983,822
	487836108	KELLOGG CO COMMON STOCK USD 0.25	37,433	2,075,104	2,759,186
	489170100	KENAMETAL INC COMMON STOCK USD 1.25	14,610	344,252	456,709
	491674BJ5	KENTUCKY UTILITIES CO CALLABLE BOND FIXE	3,000,000	2,978,400	3,304,470
	491674BG1	KENTUCKY UTILITIES CO CALLABLE BOND FIXE	6,815,000	8,171,284	7,800,858
	B1VQ5C0	KEPPEL CORP LTD COMMON STOCK SGD 0	64,111	247,526	256,941
	5505072	KERING COMMON STOCK EUR 4	4,017	808,736	903,737
	492386AU1	KERR-MCGEE CORP CALLABLE BOND FIXED 6.95	5,565,000	5,990,409	6,565,531

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
492386AK3	KERR-MCGEE CORP CALLABLE BOND FIXED 7.12	3,820,000	4,356,748	4,364,847	
492386AT4	KERR-MCGEE CORP CALLABLE NOTES FIXED 7.8	900,000	1,178,296	1,152,469	
4519579	KERRY GROUP PLC COMMON STOCK EUR 0.125	6,972	475,569	499,317	
BP3RVZ4	KERRY PROPERTIES LTD COMMON STOCK HKD 1	18,000	50,343	48,870	
6486314	KERRY PROPERTIES LTD COMMON STOCK HKD 1	427,201	1,284,717	1,159,862	
49327M2P8	KEYBANK NA/CLEVELAND OH BOND FIXED 1.6%	890,000	889,715	877,816	
49327M2H6	KEYBANK NA/CLEVELAND OH NOTES FIXED 1.7%	975,000	973,947	974,454	
49327M2N3	KEYBANK NA/CLEVELAND OH NOTES FIXED 2.35	5,530,000	5,527,290	5,561,798	
49326EEE9	KEYCORP CALLABLE MEDIUM TERM NOTE FIXED	5,130,000	5,166,751	5,160,575	
493267108	KEYCORP COMMON STOCK USD 1	85,825	1,096,534	1,568,023	
49326EEF6	KEYCORP MEDIUM TERM NOTE FIXED 2.9% 15/S	725,000	724,870	733,591	
49326EED1	KEYCORP MEDIUM TERM NOTE FIXED 5.1% 24/M	125,000	124,884	136,691	
6490995	KEYENCE CORP COMMON STOCK JPY	3,058	2,215,487	2,102,727	
B3SGMV5	KEYERA CORP COMMON STOCK CAD 0	20,681	577,349	623,954	
49338L103	KEYSIGHT TECHNOLOGIES INC COMMON STOCK U	47,983	1,266,397	1,754,738	
49337WAJ9	KEYSPAN CORP CALLABLE NOTES FIXED 5.803%	200,000	228,172	226,717	
49338CAB9	KEYSPAN GAS EAST CORP CALLABLE NOTES FIC	1,855,000	1,855,000	1,761,026	
5263251	KGHM POLSKA MIEDZ SA COMMON STOCK PLN 10	13,034	497,943	288,763	
6363042	KGI SECURITIES THAILAND PCL NVDR THB 1	379,500	46,905	41,330	
6490928	KIA MOTORS CORP COMMON STOCK KRW 5000	10,772	344,987	350,059	
6490809	KIKKOMAN CORP COMMON STOCK JPY	5,889	186,408	188,836	
49427F108	KILROY REALTY CORP REIT USD 0.01	248,520	15,872,067	18,196,634	
49427RAL6	KILROY REALTY LP CALLABLE NOTES FIXED 4.	2,000,000	1,988,880	2,052,960	
49427RAK8	KILROY REALTY LP CALLABLE NOTES FIXED 4.	3,800,000	3,757,516	3,722,138	
49427RAH5	KILROY REALTY LP CALLABLE NOTES FIXED 4.	1,500,000	1,614,990	1,552,860	
494368BC6	KIMBERLY-CLARK CORP CALLABLE NOTES FIXED	3,040,000	4,273,075	4,165,286	
494368103	KIMBERLY-CLARK CORP COMMON STOCK USD 1.2	68,718	6,087,391	7,842,098	
2491914	KIMBERLY-CLARK DE MEXICO SAB DE CV COMMO	126,200	302,914	228,736	
49446XAA4	KIMCO REALTY CORP CALLABLE MEDIUM TERM N	4,885,000	5,051,772	4,983,677	
49446RAP4	KIMCO REALTY CORP CALLABLE NOTES FIXED 2	500,000	495,845	464,880	
49446RAN9	KIMCO REALTY CORP CALLABLE NOTES FIXED 3	1,505,000	1,494,751	1,527,244	
49446RAL3	KIMCO REALTY CORP CALLABLE NOTES FIXED 3	1,270,000	1,269,522	1,289,431	
49446RAK5	KIMCO REALTY CORP CALLABLE NOTES FIXED 3	1,350,000	1,268,433	1,336,568	
49446RAQ2	KIMCO REALTY CORP CALLABLE NOTES FIXED 4	3,955,000	3,924,624	3,692,269	
49446RAM1	KIMCO REALTY CORP CALLABLE NOTES FIXED 4	7,090,000	7,068,538	6,818,595	
49446R109	KIMCO REALTY CORP REIT USD 0.01	334,557	8,270,508	8,417,454	
B60JFL4	KIMLUN CORP BHD COMMON STOCK MYR 0.5	87,900	45,238	40,756	
6492924	KINDEN CORP COMMON STOCK JPY	15,700	204,457	196,258	
494550BW5	KINDER MORGAN ENERGY PARTNERS LP CALLABL	1,340,000	1,334,053	1,335,632	
494550BV7	KINDER MORGAN ENERGY PARTNERS LP CALLABL	685,000	603,190	699,549	
494550BU9	KINDER MORGAN ENERGY PARTNERS LP CALLABL	7,245,000	7,068,090	7,386,550	
494550BS4	KINDER MORGAN ENERGY PARTNERS LP CALLABL	3,610,000	3,308,380	3,659,277	
494550BR6	KINDER MORGAN ENERGY PARTNERS LP CALLABL	340,000	329,800	341,788	
494550BQ8	KINDER MORGAN ENERGY PARTNERS LP CALLABL	486,000	415,263	479,342	
494550BP0	KINDER MORGAN ENERGY PARTNERS LP CALLABL	13,070,000	11,951,639	12,603,009	
494550BN5	KINDER MORGAN ENERGY PARTNERS LP CALLABL	2,250,000	2,207,273	2,150,370	
494550BL9	KINDER MORGAN ENERGY PARTNERS LP CALLABL	550,000	558,894	564,691	
494550BK1	KINDER MORGAN ENERGY PARTNERS LP CALLABL	3,025,000	2,902,589	3,038,250	
494550BH8	KINDER MORGAN ENERGY PARTNERS LP CALLABL	3,559,000	3,638,249	3,860,696	
494550BF2	KINDER MORGAN ENERGY PARTNERS LP CALLABL	385,000	419,334	423,358	
494550BD7	KINDER MORGAN ENERGY PARTNERS LP CALLABL	2,000,000	2,171,340	2,195,900	
494550BB1	KINDER MORGAN ENERGY PARTNERS LP CALLABL	5,660,000	6,792,586	6,309,598	
494550AY2	KINDER MORGAN ENERGY PARTNERS LP CALLABL	720,000	753,250	751,046	
494550AW6	KINDER MORGAN ENERGY PARTNERS LP CALLABL	15,925,000	18,629,464	18,472,522	
494550AV8	KINDER MORGAN ENERGY PARTNERS LP CALLABL	10,938,000	11,344,223	11,986,298	
494550AU0	KINDER MORGAN ENERGY PARTNERS LP CALLABL	450,000	502,277	451,364	
494550AT3	KINDER MORGAN ENERGY PARTNERS LP CALLABL	2,072,000	1,819,866	2,190,560	
494550AQ9	KINDER MORGAN ENERGY PARTNERS LP CALLABL	1,475,000	1,804,029	1,730,972	
494550AL0	KINDER MORGAN ENERGY PARTNERS LP CALLABL	855,000	1,055,002	1,049,564	
28370TAG4	KINDER MORGAN ENERGY PARTNERS LP CALLABL	800,000	830,142	818,560	
49456AAA1	KINDER MORGAN FINANCE CO LLC CALLABLE NO	1,435,000	1,567,139	1,494,122	
28368EAE6	KINDER MORGAN INC/DE CALLABLE MEDIUM TER	910,000	1,053,871	1,115,160	
49456BAJ0	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	4,070,000	3,781,022	4,028,934	
49456BAH4	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	19,452,000	19,464,589	20,459,030	
49456BAG6	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	20,211,000	18,634,317	20,511,133	
49456BAF8	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	7,300,000	7,634,275	7,515,861	
49456BAE1	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	4,667,000	4,761,346	4,734,018	
49456BAB7	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	3,500,000	3,574,375	3,841,635	
49456BAA9	KINDER MORGAN INC/DE CALLABLE NOTES FIXE	12,405,000	13,239,809	13,213,558	
49456B101	KINDER MORGAN INC/DE COMMON STOCK USD 0.	278,069	7,901,594	5,758,809	
49456B119	KINDER MORGAN INC/DE EQUITY WRT 25/MAY/2	218,172	0	1,200	
6491318	KINGBOARD CHEMICAL HOLDINGS LTD COMMON S	78,000	218,318	236,420	
80413TAC3	KINGDOM OF SAUDI ARABIA MEDIUM TERM NOTE	11,784,000	11,532,107	11,287,069	
80413TAB5	KINGDOM OF SAUDI ARABIA MEDIUM TERM NOTE	4,450,000	4,391,216	4,218,689	
80413TAA7	KINGDOM OF SAUDI ARABIA MEDIUM TERM NOTE	8,124,000	8,043,329	7,887,917	
BYZZL04	KINGDOM OF SPAIN BOND FIXED 2.15% 31/OCT	800,000	954,371	906,638	
3319521	KINGFISHER PLC COMMON STOCK GBP 15.7143	406,888	1,877,082	1,761,207	
6575159	KING'S TOWN BANK CO LTD COMMON STOCK TWD	251,000	215,087	219,233	
BD6S7G3	KINNEVIK AB COMMON STOCK SEK 0.1	41,037	1,076,911	986,106	
B03Z841	KINROSS GOLD CORP COMMON STOCK CAD 0	140,799	484,471	439,915	
496902404	KINROSS GOLD CORP COMMON STOCK CAD 0	174,723	925,502	543,389	
6687872	KINSUS INTERCONNECT TECHNOLOGY CORP COMM	190,000	437,550	419,746	
6492968	KINTETSU GROUP HOLDINGS CO LTD COMMON ST	80,404	320,211	307,456	
497266106	KIRBY CORP COMMON STOCK USD 0.1	4,205	166,855	279,633	
6493745	KIRIN HOLDINGS CO LTD COMMON STOCK JPY	242,889	3,435,718	3,959,819	
482999091	KKR ASIAN FUND II LP	100	15,905,375	24,481,474	
89799N743	KKR ASIAN FUND L.P./1133 WEST	100	0	10,661,301	
48249DAA9	KKR GROUP FINANCE CO II LLC CALLABLE NOT	2,295,000	2,424,996	2,303,583	
48250AAA1	KKR GROUP FINANCE CO III LLC CALLABLE BO	14,870,000	14,767,170	14,039,659	

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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	482480AB6	KLA-TENCOR CORP CALLABLE NOTES FIXED 2.3	1,200,000	1,208,168	1,207,188
	482480AC4	KLA-TENCOR CORP CALLABLE NOTES FIXED 3.3	1,860,000	1,879,255	1,904,194
	482480AD2	KLA-TENCOR CORP CALLABLE NOTES FIXED 4.1	4,510,000	4,534,671	4,703,073
	482480AE0	KLA-TENCOR CORP CALLABLE NOTES FIXED 4.6	400,000	398,992	423,444
	482480100	KLA-TENCOR CORP COMMON STOCK USD 0.001	12,802	416,746	1,007,261
	7582556	KLEPIERRE REIT EUR 1.4	9,692	368,721	381,764
	6496023	KOBE STEEL LTD COMMON STOCK JPY	194,626	1,783,939	1,863,911
	B03MVJ8	KOC HOLDING AS COMMON STOCK TRY 1	217,337	1,098,886	852,641
	500255AV6	KOHL'S CORP CALLABLE NOTES FIXED 5.55% 1	8,315,000	8,065,164	7,940,742
	500255104	KOHL'S CORP COMMON STOCK USD 0.01	35,573	1,530,289	1,756,595
	6496324	KOITO MANUFACTURING CO LTD COMMON STOCK	4,700	239,713	249,436
	6496391	KOLON GLOBAL CORP COMMON STOCK KRW 5000	2,333	46,951	21,634
	6496584	KOMATSU LTD COMMON STOCK JPY	88,712	1,995,435	2,013,675
	6496681	KONAMI HOLDINGS CORP COMMON STOCK JPY	4,112	165,307	166,405
	B09M9D2	KONE OYJ COMMON STOCK EUR 0	76,123	3,427,199	3,417,977
	6496700	KONICA MINOLTA INC COMMON STOCK JPY	187,867	1,599,698	1,870,053
	BD0Q398	KONINKLIJKE AHOLD DELHAIZE NV COMMON STO	289,382	5,584,776	6,113,670
	B0HZL93	KONINKLIJKE DSM NV COMMON STOCK EUR 1.5	37,575	2,242,644	2,257,452
	780641AH9	KONINKLIJKE KPN NV CALLABLE BOND FIXED 8	2,815,000	3,760,845	3,758,616
	5956078	KONINKLIJKE KPN NV COMMON STOCK EUR 0.04	623,913	1,697,358	1,851,815
	500472AE5	KONINKLIJKE PHILIPS NV CALLABLE NOTES FI	1,821,000	1,908,214	1,859,733
	500472AC9	KONINKLIJKE PHILIPS NV CALLABLE NOTES FI	7,810,000	10,751,357	9,657,143
	5986622	KONINKLIJKE PHILIPS NV COMMON STOCK EUR	118,373	3,428,082	3,620,764
	500472303	KONINKLIJKE PHILIPS NV NY REG SHRS USD	28,800	719,456	880,416
	5809428	KONINKLIJKE VOPAK NV COMMON STOCK EUR 0.	39,691	1,929,730	1,878,651
	500631106	KOREA ELECTRIC POWER CORP ADR USD	24,253	613,381	448,195
	6495730	KOREA ELECTRIC POWER CORP COMMON STOCK K	40,713	1,858,712	1,484,855
	500634209	KOREA FUND INC/THE CLOSED-END FUND USD	11,968	464,431	381,779
	6182076	KOREA GAS CORP COMMON STOCK KRW 5000	6,182	255,386	247,986
	50066AAF0	KOREA GAS CORP MEDIUM TERM NOTE FIXED 2.	2,680,000	2,757,993	2,721,862
	6166672	KOREA PETROCHEMICAL IND CO LTD COMMON ST	1,139	164,877	259,807
	6194468	KOSE CORP COMMON STOCK JPY	1,400	112,957	116,552
	G5315B107	KOSMOS ENERGY LTD COMMON STOCK USD 0.01	111,507	914,635	781,664
	BDSFGV0	KPR MILL LTD COMMON STOCK INR 5	32,978	111,317	276,963
	6493411	KPX CHEMICAL CO LTD COMMON STOCK KRW 500	1,039	53,753	51,098
	B1D48Y5	KPX HOLDINGS CORP COMMON STOCK KRW 5000	669	41,229	36,447
	50076QAZ9	KRAFT FOODS GROUP INC NOTES FIXED 3.5% 0	330,000	327,030	335,600
	50076QAE6	KRAFT FOODS GROUP INC NOTES FIXED 5% 04/	3,535,000	3,638,157	3,619,628
	50076QAU0	KRAFT FOODS GROUP INC NOTES FIXED 5.375%	2,510,000	2,730,358	2,718,606
	50076QAN6	KRAFT FOODS GROUP INC NOTES FIXED 6.5% 0	3,990,000	5,016,660	4,861,576
	50076QAR7	KRAFT FOODS GROUP INC NOTES FIXED 6.875%	13,857,000	16,425,906	17,409,242
	500754106	KRAFT HEINZ CO/THE COMMON STOCK USD 0.01	106,718	5,695,226	9,318,616
	42307TAH1	KRAFT HEINZ FOODS CO CALLABLE BOND FIXED	7,635,000	9,976,941	9,726,837
	50077LAM8	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	33,429,000	35,208,273	34,993,811
	50077LAL0	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	11,120,000	11,703,102	11,665,992
	50077LAK2	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	2,795,000	2,806,099	2,831,447
	50077LAJ5	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	310,000	309,268	314,684
	50077LAH9	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	3,949,000	3,954,020	3,986,516
	50077LAG1	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	6,857,000	6,921,220	6,858,577
	50077LAD8	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	10,590,000	10,553,384	9,942,316
	50077LAB2	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	34,992,000	35,460,946	32,926,772
	423074AS2	KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE	4,985,000	5,367,088	5,377,718
	50077B207	KRATOS DEFENSE & SECURITY SOLUTIONS INC	600	4,090	4,440
	500769DP6	KREDITANSTALT FUER WIEDERAUFBAU BOND FIX	448,000	486,418	477,568
	500769HA5	KREDITANSTALT FUER WIEDERAUFBAU NOTES FI	2,726,000	2,716,886	2,684,319
	501044DA6	KROGER CO/THE CALLABLE NOTES FIXED 2% 15	545,000	544,368	546,243
	501044CW9	KROGER CO/THE CALLABLE NOTES FIXED 2.3%	570,000	573,107	573,540
	501044DB4	KROGER CO/THE CALLABLE NOTES FIXED 2.6%	2,700,000	2,771,010	2,694,465
	501044DE8	KROGER CO/THE CALLABLE NOTES FIXED 2.65%	1,990,000	1,983,552	1,848,829
	501044CZ2	KROGER CO/THE CALLABLE NOTES FIXED 2.95%	515,000	514,193	518,198
	501044CX7	KROGER CO/THE CALLABLE NOTES FIXED 3.3%	1,300,000	1,383,538	1,335,789
	501044DF5	KROGER CO/THE CALLABLE NOTES FIXED 3.875	4,125,000	4,090,413	3,755,276
	501044CR0	KROGER CO/THE CALLABLE NOTES FIXED 5% 15	1,545,000	1,655,220	1,630,794
	501044CT6	KROGER CO/THE CALLABLE NOTES FIXED 5.15%	1,278,000	1,368,137	1,377,799
	501044CN9	KROGER CO/THE CALLABLE NOTES FIXED 5.4%	900,000	892,071	999,000
	501044CK5	KROGER CO/THE CALLABLE NOTES FIXED 6.9%	2,550,000	2,999,081	3,260,558
	501044BZ3	KROGER CO/THE CALLABLE NOTES FIXED 7.5%	500,000	661,802	673,255
	501044101	KROGER CO/THE COMMON STOCK USD 1	79,375	852,429	2,739,231
	2836946	KROTON EDUCACIONAL SA COMMON STOCK BRL 0	220,100	1,045,152	901,445
	6361466	KRUNG THAI BANK PCL NVDR THB 5.15	5,911,075	3,179,149	2,921,658
	6433019	KSL HOLDINGS BHD COMMON STOCK MYR 0.5	290,200	139,873	65,337
	6505316	KT CORP COMMON STOCK KRW 5000	14,350	431,220	349,305
	6175076	KT&G CORP COMMON STOCK KRW 5000	17,770	1,537,893	1,485,983
	6497509	KUBOTA CORP COMMON STOCK JPY	68,288	1,037,499	976,881
	B142S60	KUEHNE + NAGEL INTERNATIONAL AG COMMON S	9,801	1,311,295	1,297,992
	501242101	KULICKE & SOFFA INDUSTRIES INC COMMON ST	2,594	30,839	41,374
	B1G4262	KUMBA IRON ORE LTD COMMON STOCK ZAR 0.01	60,422	292,158	702,530
	6497662	KURARAY CO LTD COMMON STOCK JPY	15,645	230,417	235,544
	6497963	KURITA WATER INDUSTRIES LTD COMMON STOCK	19,710	446,862	434,977
	B03MVS7	KUTAHYA PORSELEN SANAYI AS COMMON STOCK	33,306	101,454	69,593
	B1YBF00	KWG PROPERTY HOLDING LTD COMMON STOCK HK	262,500	178,719	148,972
	6491783	KYERYONG CONSTRUCTION INDUSTRIAL CO LTD	2,261	29,025	26,395
	6499260	KYOCERA CORP COMMON STOCK JPY	37,096	1,789,768	1,848,518
	6499550	KYOWA HAKKO KIRIN CO LTD COMMON STOCK JP	11,260	167,739	156,009
	6499806	KYUSHU ELECTRIC POWER CO INC COMMON STOC	18,834	189,463	204,754
	BYZ5XN1	KYUSHU FINANCIAL GROUP INC COMMON STOCK	137,400	965,807	934,181
	532716AT4	L BRANDS INC CALLABLE NOTES FIXED 6.625%	1,100,000	1,233,964	1,234,750
	501797AL8	L BRANDS INC CALLABLE NOTES FIXED 6.875%	2,000,000	2,068,894	2,040,000
	501797104	L BRANDS INC COMMON STOCK USD 0.5	21,660	587,586	1,426,094

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	4538002	L E LUNDBERGFORETAGEN AB COMMON STOCK SE	5,064	302,769	311,323
	502424104	L-3 COMMUNICATIONS HOLDINGS INC COMMON S	12,359	755,597	1,879,927
	502413BE6	L3 TECHNOLOGIES INC CALLABLE NOTES FIXED	3,165,000	3,156,361	3,146,042
	50420D108	LA QUINTA HOLDINGS INC COMMON STOCK USD	97,891	1,212,837	1,391,031
	50540RAS1	LABORATORY CORP OF AMERICA HOLDINGS CALL	4,325,000	4,448,125	4,271,976
	50540RAQ5	LABORATORY CORP OF AMERICA HOLDINGS CALL	2,659,000	2,697,032	2,647,354
	50540RAP7	LABORATORY CORP OF AMERICA HOLDINGS CALL	4,139,000	4,155,851	4,173,395
	50540RAM4	LABORATORY CORP OF AMERICA HOLDINGS CALL	1,800,000	1,798,488	1,815,858
	50540R409	LABORATORY CORP OF AMERICA HOLDINGS COMM	8,139	386,338	1,044,885
	50543LAA0	LABRADOR AVIATION FINANCE LTD 2016-1A 20	10,500,000	10,296,273	10,333,889
	505861AC8	LA FARGE SA CALLABLE NOTES FIXED 7.125% 1	8,800,000	10,617,754	10,651,080
	50587KAB7	LA FARGEHOLCIM FINANCE US LLC CALLABLE NO	4,000,000	3,916,680	3,868,600
	7110753	LA FARGEHOLCIM LTD COMMON STOCK CHF 2	47,317	2,575,034	2,497,719
	4547213	LAGARDERE SCA COMMON STOCK EUR 6.1	15,785	415,432	439,456
	6698818	LALIN PROPERTY PCL NVDR THB 1	281,100	37,744	36,265
	512807AR9	LAM RESEARCH CORP CALLABLE NOTES FIXED 2	320,000	319,731	318,275
	512807AM0	LAM RESEARCH CORP CALLABLE NOTES FIXED 2	1,280,000	1,283,492	1,282,650
	512807108	LAM RESEARCH CORP COMMON STOCK USD 0.001	12,920	404,959	1,366,032
	512816109	LAMAR ADVERTISING CO REIT USD 0.001	16,515	794,000	1,110,469
	513272AB0	LAMB WESTON HOLDINGS INC CALLABLE NOTES	134,000	134,000	132,577
	513272AA2	LAMB WESTON HOLDINGS INC CALLABLE NOTES	133,000	133,000	133,333
	513272104	LAMB WESTON HOLDINGS INC COMMON STOCK US	50,024	1,365,248	1,893,408
	6365491	LAND & GENERAL BHD COMMON STOCK MYR 0.2	729,558	101,433	49,602
	514666AJ5	LAND O' LAKES INC CALLABLE NOTES FIXED 6	6,440,000	6,860,413	7,019,600
	3180943	LAND SECURITIES GROUP PLC REIT GBP 10	47,121	646,775	620,679
	515098101	LANDSTAR SYSTEM INC COMMON STOCK USD 0.0	8,391	423,800	715,752
	B05M8B7	LANXESS AG COMMON STOCK EUR	40,572	2,240,189	2,668,163
	516806106	LAREDO PETROLEUM INC COMMON STOCK USD 0.	11,619	210,601	164,293
	6451668	LARGAN PRECISION CO LTD COMMON STOCK TWD	11,000	965,717	1,293,555
	517834107	LAS VEGAS SANDS CORP COMMON STOCK USD 0.	44,077	1,588,572	2,354,153
	517942108	LASALLE HOTEL PROPERTIES REIT USD 0.01	238,900	6,193,924	7,279,283
	51817R106	LATAM AIRLINES GROUP SA ADR USD	39,076	323,758	319,642
	6266914	LAWSON INC COMMON STOCK JPY	9,772	728,694	687,856
	52107QAG0	LAZARD GROUP LLC CALLABLE NOTES FIXED 3.	610,000	606,818	595,641
	52107QAF2	LAZARD GROUP LLC CALLABLE NOTES FIXED 4.	1,500,000	1,495,065	1,570,140
	G54050102	LAZARD LTD MLP	10,217	379,620	419,817
	981536	LAZARD WORLD TRUST FUND SICAF	186,490	643,519	676,043
	505336107	LA-Z-BOY INC COMMON STOCK USD 1	800	21,647	24,840
	50177AAG4	LB COMMERCIAL MORTGAGE TRUST 2007-C3 200	35,000	35,263	35,487
	50180JAD7	LB-UBS COMMERCIAL MORTGAGE TRUST 2007-C2	394,096	409,260	394,896
	52109RBM2	LB-UBS COMMERCIAL MORTGAGE TRUST 2007-C7	566,930	440,744	580,931
*	LHV7COM	LEAN HOGS FUTURE LIVESTOCK 13/OCT/2017 L	66	0	2,129
*	LHG7COS	LEAN HOGS FUTURE LIVESTOCK 14/FEB/2017 L	-268	0	-989,218
*	LHJ7COM	LEAN HOGS FUTURE LIVESTOCK 17/APR/2017 L	327	0	213,796
	521ESC9Q8	LEAR CORP 8.75% BDS 01/DEC/2016 USD100	80,000	800	800
	521865204	LEAR CORP COMMON STOCK USD 0.01	5,897	213,868	780,586
	521ESC9P0	LEAR CORP/OLD MEDIUM TERM NOTE FIXED 0%	45,000	450	450
	521ESC9J4	LEAR CORP/OLD MEDIUM TERM NOTE FIXED 01/	690,000	6,900	6,900
*	560399	LEGAL & GENERAL GROUP PLC COMMON STOCK G	568,122	1,616,898	1,738,152
	52469B100	LEGG MASON BW GLOBAL INCOME OPPORTUNITIE	208,458	2,956,374	2,466,058
*	524901AT2	LEGG MASON INC CALLABLE NOTES FIXED 3.95	1,600,000	1,597,072	1,605,744
*	524901AV7	LEGG MASON INC CALLABLE NOTES FIXED 4.75	2,695,000	2,693,760	2,789,487
*	524901AR6	LEGG MASON INC CALLABLE NOTES FIXED 5.62	1,945,000	1,940,220	1,894,041
*	524901105	LEGG MASON INC COMMON STOCK USD 0.1	17,119	644,456	512,029
	524660107	LEGGETT & PLATT INC COMMON STOCK USD 0.0	10,607	135,073	518,470
	B11ZRK9	LEGRAND SA COMMON STOCK EUR 4	60,836	2,453,191	3,461,797
	52521MAB8	LEHMAN ABS MORTGAGE LOAN TRUST 2007-1 2A	383,528	383,528	235,036
	525ESC2P3	LEHMAN BROTHERS HOLDINGS INC BOND FIXED	800,000	664,000	46,000
	524ESCXA3	LEHMAN BROTHERS HOLDINGS INC BOND FIXED	120,000	108,190	0
	524ESCWH9	LEHMAN BROTHERS HOLDINGS INC BOND FIXED	6,200,000	5,863,748	620
	524ESCUB4	LEHMAN BROTHERS HOLDINGS INC BOND FIXED	7,000,000	6,538,210	0
	524ESC7N4	LEHMAN BROTHERS HOLDINGS INC BOND FIXED	20,990,000	20,078,116	2,099
	524ESC7M6	LEHMAN BROTHERS HOLDINGS INC BOND FIXED	10,780,000	9,923,510	13,475
	524ESCR36	LEHMAN BROTHERS HOLDINGS INC MEDIUM TERM	370,000	342,302	0
	524ESCR44	LEHMAN BRTH HLD (RIC) 6.875% 17/JUL/203	1,415,000	1,354,226	142
	760248W	LEHMAN ESCROW RECEIPT	1,300,360	902,895	169,047
	LSIOPNTA5	LEHMAN SWAP BANKRUPTCY	923,513	483,636	60,028
	525221JY4	LEHMAN XS TRUST 2006-5 2006-5 2A4A STEP	237,338	224,082	219,857
	52524MAT6	LEHMAN XS TRUST 2007-9 2007-9 WF1 FLOATI	486,268	484,765	379,469
	525221DJ3	LEHMAN XS TRUST SERIES 2005-6 2005-6 3A3	1,195,000	733,459	641,282
	525327102	LEIDOS HOLDINGS INC COMMON STOCK USD 0.0	17,350	511,580	887,279
	50187J108	LEJU HOLDINGS LTD ADR USD 0.001	23,415	116,439	112,392
	6512004	LENDLEASE GROUP STAPLED SECURITY AUD 0	24,319	249,380	257,449
	526057302	LENNAR CORP COMMON STOCK USD 0.1	198	8,684	6,831
	526057104	LENNAR CORP COMMON STOCK USD 0.1	14,874	403,147	638,541
	526107107	LENNOX INTERNATIONAL INC COMMON STOCK US	3,177	91,386	486,621
	B0DJNG0	LEONARDO SPA COMMON STOCK EUR 4.4	17,825	234,641	250,804
	B3T2Z46	LEONARDO SPA MEDIUM TERM NOTE FIXED 8% 1	1,900,000	3,498,320	2,735,642
	527288104	LEUCADIA NATIONAL CORP COMMON STOCK USD	77,028	1,421,046	1,790,901
	52729N308	LEVEL 3 COMMUNICATIONS INC COMMON STOCK	24,806	969,824	1,398,066
	529990954	LEXINGTON CAP PARTNERS II L P -IBM	100	0	269,098
	501995153	LEXINGTON CAPITAL I	500,000	0	27,084
	6346913	LG CHEM LTD COMMON STOCK KRW 5000	3,303	749,607	713,763
	6537030	LG CORP COMMON STOCK KRW 5000	4,052	209,914	201,292
	B01VZN9	LG DISPLAY CO LTD COMMON STOCK KRW 5000	135,625	3,652,736	3,531,550
	6520739	LG ELECTRONICS INC COMMON STOCK KRW 5000	14,178	636,574	605,717
	6344456	LG HOUSEHOLD & HEALTH CARE LTD COMMON ST	1,286	896,656	912,487
	6290902	LG UPLUS CORP COMMON STOCK KRW 5000	62,336	611,796	590,948
	6286257	LI & FUNG LTD COMMON STOCK HKD 0.0125	994,214	443,663	437,276

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	B01JCK9	LI NING CO LTD COMMON STOCK HKD 0.1	648,125	365,099	407,108
	529898108	LIBBEY INC COMMON STOCK USD 0.01	2,500	72,488	48,650
	530307305	LIBERTY BROADBAND CORP COMMON STOCK USD	15,383	710,164	1,139,419
	530307107	LIBERTY BROADBAND CORP COMMON STOCK USD	12,070	594,681	874,592
	53046P109	LIBERTY EXPEDIA HOLDINGS INC COMMON STOC	49,998	1,829,393	1,983,421
	G5480U153	LIBERTY GLOBAL PLC LILAC TRACKING STK US	200	4,011	4,234
	G5480U138	LIBERTY GLOBAL PLC LILAC TRACKING STK US	4,500	123,797	98,820
	G5480U120	LIBERTY GLOBAL PLC TRACKING STK USD 0.01	54,249	1,881,979	1,611,195
	6515058	LIBERTY HOLDINGS LTD COMMON STOCK ZAR 8.	97,374	1,134,273	790,385
	53071M104	LIBERTY INTERACTIVE CORP QVC GROUP TRACK	81,961	1,276,176	1,637,581
	531229854	LIBERTY MEDIA CORP-LIBERTY FORMULA ONE U	1,000	19,768	31,330
	531229607	LIBERTY MEDIA CORP-LIBERTY SIRIUSXM TRAC	75,067	2,055,590	2,546,273
	531229409	LIBERTY MEDIA CORP-LIBERTY SIRIUSXM TRAC	42,184	1,208,625	1,456,192
	53079EBF0	LIBERTY MUTUAL GROUP INC CALLABLE BOND F	8,343,000	8,097,677	8,227,783
	53079EAAZ	LIBERTY MUTUAL GROUP INC CALLABLE NOTES	4,090,000	4,892,602	4,849,227
	53079EAW4	LIBERTY MUTUAL GROUP INC CALLABLE NOTES	4,400,000	4,669,998	4,800,884
	53079EAG9	LIBERTY MUTUAL GROUP INC CALLABLE NOTES	3,435,000	3,717,467	4,104,241
	53117CAS1	LIBERTY PROPERTY LP CALLABLE NOTES FIXED	1,190,000	1,180,028	1,139,544
	53117CAQ5	LIBERTY PROPERTY LP CALLABLE NOTES FIXED	630,000	663,182	663,390
	531172104	LIBERTY PROPERTY TRUST REIT USD 0.001	56,132	2,069,502	2,217,214
	531465102	LIBERTY TRIPADVISOR HOLDINGS INC COMMON	70,918	1,514,015	1,067,316
	53071M856	LIBERTY VENTURES TRACKING STK USD 0.01	82,059	2,895,226	3,025,515
	53223X107	LIFE STORAGE INC REIT USD 0.01	23,421	2,010,486	1,996,874
	53219LAN9	LIFEPOINT HEALTH INC CALLABLE NOTES FIXE	440,000	440,798	445,500
	53219L109	LIFEPOINT HEALTH INC COMMON STOCK USD 0.	2,994	130,166	170,059
	7C8395F	LIGHT SWEET CRUDE OIL CALL U 50.00	-108	-119,051	-428,760
	7C8398F	LIGHT SWEET CRUDE OIL CALL U 51.00	-36	-39,268	-112,680
	7C8651F	LIGHT SWEET CRUDE OIL CALL U 52.00	-36	-36,640	-85,320
	8C3970F	LIGHT SWEET CRUDE OIL CALL U 58.00	-36	-34,120	-30,240
	8C3972F	LIGHT SWEET CRUDE OIL CALL U 59.00	-60	-50,839	-36,000
	8C2907F	LIGHT SWEET CRUDE OIL CALL U 62.00	90	117,199	144,900
	8C2897F	LIGHT SWEET CRUDE OIL CALL U 63.00	90	188,899	270,000
	8C2889F	LIGHT SWEET CRUDE OIL PUT US 47.00	90	189,199	103,500
	8C2916F	LIGHT SWEET CRUDE OIL PUT US 48.00	90	289,399	239,400
	6266893	LII HEN INDUSTRIES BHD COMMON STOCK MYR	88,100	68,038	62,648
	2516022	LINAMAR CORP COMMON STOCK CAD 0	5,631	198,692	242,237
	533900106	LINCOLN ELECTRIC HOLDINGS INC COMMON STO	4,894	152,500	375,223
	534187BF5	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	700,000	700,276	696,368
	534187BE8	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	795,000	793,728	791,836
	534187BC2	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	1,850,000	1,987,936	1,958,133
	534187BB4	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	900,000	999,675	974,871
	534187BA6	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	1,150,000	1,363,753	1,451,933
	534187AX7	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	358,000	461,043	411,908
	534187AR0	LINCOLN NATIONAL CORP CALLABLE NOTES FIX	894,000	1,012,522	1,047,920
	534187109	LINCOLN NATIONAL CORP COMMON STOCK USD 0	34,436	1,230,778	2,282,074
	5740817	LINDE AG COMMON STOCK EUR 0	16,312	2,664,697	2,685,713
	BZB1Y59	LINE CORP COMMON STOCK JPY	1,900	73,508	65,323
	535678106	LINEAR TECHNOLOGY CORP COMMON STOCK CHF	24,841	537,230	1,548,836
	6505491	LINGKARAN TRANS KOTA HOLDINGS BHD COMMON	34,900	49,781	45,745
	B0PB4M7	LINK REIT REIT HKD 0	99,304	702,204	645,534
	6518808	LION CORP COMMON STOCK JPY	10,475	170,960	172,435
	535919500	LIONS GATE ENTERTAINMENT CORP COMMON STO	19,562	400,571	480,051
	535919401	LIONS GATE ENTERTAINMENT-A CORP	3,915	114,172	105,314
	53635B107	LIQUIDITY SERVICES INC COMMON STOCK USD	10,368	60,051	101,088
	6519481	LITE-ON TECHNOLOGY CORP COMMON STOCK TWD	760,986	985,870	1,147,535
	AAI9938L0	LITTELFUSE INC .3.74	5,000,000	5,000,000	4,766,250
	AAI9959L4	LITTELFUSE INC NOTES FIXED 3.03% 15/FEB/	5,000,000	5,000,000	4,860,800
	LCJ7COS	LIVE CATTLE FUTR LIVESTOCK 28/APR/2017 L	-91	0	-37,421
*	LCJ7COM	LIVE CATTLE FUTR LIVESTOCK 28/APR/2017 L	344	0	1,636,502
*	LCG7COS	LIVE CATTLE FUTR LIVESTOCK 28/FEB/2017 L	-251	0	-923,434
	LCQ7COM	LIVE CATTLE FUTR LIVESTOCK 31/AUG/2017 L	91	0	35,302
	538034109	LIVE NATION ENTERTAINMENT INC COMMON STO	10,954	265,400	291,376
*	LCV7COM	LIVESTOCK 31/OCT/2017 LCV7 COMDTY	60	0	35,481
	6900212	LIXIL GROUP CORP COMMON STOCK JPY	91,673	1,807,376	2,085,996
	501889208	LKQ CORP COMMON STOCK USD 0.01	24,414	238,104	748,289
	539473AE8	LLOYDS BANK PLC	1,050,000	1,086,183	1,399,125
	53947NAA2	LLOYDS BANK PLC MEDIUM TERM NOTE FIXED 6	100,000	101,525	110,603
	53944VAM1	LLOYDS BANK PLC NOTES FIXED 2.05% 22/JAN	3,705,000	3,700,072	3,701,443
	BLDZCR9	LLOYDS BANKING GROUP PLC CALLABLE BOND V	515,000	533,025	530,450
	BKX5C05	LLOYDS BANKING GROUP PLC CALLABLE BOND V	200,000	242,746	249,913
	BKX5B75	LLOYDS BANKING GROUP PLC CALLABLE BOND V	3,433,000	4,653,013	4,481,726
	BKX5B08	LLOYDS BANKING GROUP PLC CALLABLE BOND V	200,000	252,852	258,011
	539439AG4	LLOYDS BANKING GROUP PLC CALLABLE BOND V	3,715,000	3,610,150	3,826,450
	870612	LLOYDS BANKING GROUP PLC COMMON STOCK GB	6,486,672	6,699,883	5,010,336
	539439AK5	LLOYDS BANKING GROUP PLC NOTES FIXED 3.1	2,530,000	2,539,705	2,564,003
	53944YAA1	LLOYDS BANKING GROUP PLC NOTES FIXED 4.5	700,000	696,045	712,355
	539439AM1	LLOYDS BANKING GROUP PLC NOTES FIXED 4.5	8,811,000	8,779,052	8,853,557
	53944YAB9	LLOYDS BANKING GROUP PLC NOTES FIXED 4.6	7,910,000	7,950,069	8,011,960
	539439AN9	LLOYDS BANKING GROUP PLC NOTES FIXED 5.3	5,145,000	5,333,431	5,313,139
	WJA7CO	LLS ARGUS V WTI S CRUDE OIL 28/APR/2017	11	0	-1,493
	WJAG7CO	LLS ARGUS V WTI S CRUDE OIL 28/FEB/2017	11	0	-2,153
	WJAZ7CO	LLS ARGUS V WTI S CRUDE OIL 29/DEC/2017	11	0	-943
	WJAU7CO	LLS ARGUS V WTI S CRUDE OIL 29/SEP/2017	11	0	-503
	WJAM7CO	LLS ARGUS V WTI S CRUDE OIL 30/JUN/2017	11	0	-503
	WJAX7CO	LLS ARGUS V WTI S CRUDE OIL 30/NOV/2017	11	0	-943
	WJAQ7CO	LLS ARGUS V WTI S CRUDE OIL 31/AUG/2017	11	0	-503
	WJAF7CO	LLS ARGUS V WTI S CRUDE OIL 31/JAN/2017	11	0	-1,163
	WJAN7CO	LLS ARGUS V WTI S CRUDE OIL 31/JUL/2017	11	0	-503
	WJAH7CO	LLS ARGUS V WTI S CRUDE OIL 31/MAR/2017	11	0	-2,043

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	WJAK7CO	LLS ARGUS V WTI S CRUDE OIL 31/MAY/2017	11	0	-943
	WJAV7CO	LLS ARGUS V WTI S CRUDE OIL 31/OCT/2017	11	0	-943
*	LPG7COM	LME COPPER FUTURE BASE METAL 13/FEB/2017	114	0	-857,614
	LPK7COM	LME COPPER FUTURE BASE METAL 15/MAY/2017	4	0	1,900
*	LLG7COM	LME LEAD FUTURE BASE METAL 13/FEB/2017 L	57	0	-429,460
	LLK7COM	LME LEAD FUTURE BASE METAL 15/MAY/2017 L	7	0	-29,356
*	LNG7COM	LME NICKEL FUTURE BASE METAL 13/FEB/2017	38	0	-332,862
*	LNH7COM	LME NICKEL FUTURE BASE METAL 13/MAR/2017	117	0	-255,323
*	LNW7COM	LME NICKEL FUTURE BASE METAL 19/JUN/2017	33	0	-304,635
*	LAG7COM	LME PRI ALUM FUTR BASE METAL 13/FEB/2017	281	0	-182,218
*	LAH7COS	LME PRI ALUM FUTR BASE METAL 13/MAR/2017	-363	0	358,829
	LAH7COM	LME PRI ALUM FUTR BASE METAL 13/MAR/2017	11	0	-7,981
	LAH7COS	LME PRI ALUM FUTR BASE METAL 15/MAY/2017	-32	0	25,800
*	LAM7COM	LME PRI ALUM FUTR BASE METAL 19/JUN/2017	300	0	-265,768
*	LXG7COM	LME ZINC FUTURE BASE METAL 13/FEB/2017 L	74	0	-312,576
*	LXH7COS	LME ZINC FUTURE BASE METAL 13/MAR/2017 L	-139	0	495,260
	LXH7COM	LME ZINC FUTURE BASE METAL 13/MAR/2017 L	10	0	-6,250
	LXK7COM	LME ZINC FUTURE BASE METAL 15/MAY/2017 L	13	0	-14,544
*	LXM7COM	LME ZINC FUTURE BASE METAL 19/JUN/2017 L	104	0	129,831
	2521800	LOBLAW COS LTD COMMON STOCK CAD 0	59,417	2,967,041	3,138,660
	B08K3S0	LOCALIZA RENT A CAR SA COMMON STOCK BRL	55,400	621,632	582,477
	539830BC2	LOCKHEED MARTIN CORP CALLABLE BOND FIXED	4,835,000	4,796,620	4,593,250
	539830BL2	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	25,227,000	27,708,747	27,440,165
	539830BK4	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	2,780,000	2,823,199	2,955,640
	539830BJ7	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	2,500,000	2,501,150	2,509,950
	539830BH1	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	7,465,000	7,486,304	7,627,065
	539830BG3	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	560,000	556,422	566,121
	539830BF5	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	210,000	209,246	211,775
	539830BE8	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	535,000	522,976	523,781
	539830BD0	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	5,365,000	5,437,534	5,080,762
	539830BB4	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	11,691,000	10,763,533	11,539,602
	539830AZ2	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	8,600,000	8,799,314	9,464,300
	539830AT6	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	3,370,000	3,779,691	3,589,185
	539830AR0	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	2,000,000	2,296,440	2,502,060
	539830109	LOCKHEED MARTIN CORP COMMON STOCK USD 1	21,155	1,155,231	5,287,481
	540424108	LOEWS CORP COMMON STOCK USD 0.01	30,915	822,637	1,447,749
	B18ZRK2	LOGITECH INTERNATIONAL SA COMMON STOCK C	55,142	666,415	1,378,075
	B0CGYD6	LOJAS RENNER SA COMMON STOCK BRL 0	110,700	717,615	788,066
	B0SWJX3	LONDON STOCK EXCHANGE GROUP PLC COMMON S	13,810	493,573	497,254
	541993622	LONE STAR FUND IV/BULLSHEAD LLC	200	0	907,539
	54299V017	LONE STAR FUND IX (US), L.P.	100	44,292,850	54,886,193
	542990924	LONE STAR FUND V - BULLSHEAD I	100	47,474,569	33,872,690
	542998711	LONE STAR FUND VI	100	0	58,592,882
	541996948	LONE STAR FUND VII (U.S.), L.P.	100	0	9,318,030
	U54998577	LONE STAR FUND VIII(BERMUDA) LP	100	3,436,477	7,500,066
	892994Q15	LONE STAR REAL ESTATE FUND (US) L.P.	100	0	12,377,936
	542995873	LONE STAR REAL ESTATE FUND II (U.S.), L.	100	0	8,870,803
	54251WAD4	LONG BEACH MORTGAGE LOAN TRUST 2006-9 20	360,293	181,723	151,602
	B56KLY9	LONGFOR PROPERTIES CO LTD COMMON STOCK H	482,000	776,050	611,736
	7333378	LONZA GROUP AG COMMON STOCK CHF 1	17,817	2,461,025	3,090,606
	6092313	LOPEZ HOLDINGS CORP COMMON STOCK PHP 1	595,100	55,142	93,372
	4057808	L'OREAL SA COMMON STOCK EUR 0.2	17,165	2,973,894	3,139,369
	54438CPA4	LOS ANGELES CALIF CMNTY COLLEGE DIST BAB	462,000	626,370	663,852
	544495VY7	LOS ANGELES CALIF DEPT WTR & PWR REV TAX	1,950,000	2,342,979	2,668,380
	544646ZR6	LOS ANGELES CALIF UNI SCH DIST SER RY-BU	8,200,000	10,033,647	10,986,114
	54473ENT7	LOS ANGELES CNTY CALIF PUB WKS FING AUTH	430,000	592,596	569,913
	6440020	LOTTE CHEMICAL CORP COMMON STOCK KRW 500	8,824	2,041,034	2,695,857
	B0WGPZ5	LOTTE SHOPPING CO LTD COMMON STOCK KRW 5	1,923	593,672	352,661
*	546676AV9	LOUISVILLE GAS & ELECTRIC CO CALLABLE BO	4,415,000	4,719,385	4,840,297
	QSG7COM	LOW SU GASOIL G REFINED PRODUCTS 10/FEB/	441	0	1,036,918
	QSH7COS	LOW SU GASOIL G REFINED PRODUCTS 10/MAR/	-76	0	-72,103
	QSJ7COS	LOW SU GASOIL G REFINED PRODUCTS 12/APR/	-18	0	-31,922
	QSZ8COM	LOW SU GASOIL G REFINED PRODUCTS 12/DEC/	110	0	133,483
	QSZ7COM	LOW SU GASOIL G REFINED PRODUCTS 12/DEC/	230	0	1,872,572
	QSM9COS	LOW SU GASOIL G REFINED PRODUCTS 12/JUN/	-55	0	-56,362
	QSM8COS	LOW SU GASOIL G REFINED PRODUCTS 12/JUN/	-170	0	-886,100
	QSM7COS	LOW SU GASOIL G REFINED PRODUCTS 12/JUN/	-115	0	-985,446
	548661AK3	LOWE'S COS INC BOND FIXED 6.5% 15/MAR/20	2,300,000	2,870,324	2,970,997
	548661AH0	LOWE'S COS INC BOND FIXED 6.875% 15/FEB/	500,000	668,945	653,510
	548661DM6	LOWE'S COS INC CALLABLE NOTES FIXED 2.5%	1,285,000	1,279,140	1,220,313
	548661CW5	LOWE'S COS INC CALLABLE NOTES FIXED 3.12	1,160,000	1,126,812	1,188,443
	548661DH7	LOWE'S COS INC CALLABLE NOTES FIXED 3.37	2,320,000	2,306,567	2,359,785
	548661DN4	LOWE'S COS INC CALLABLE NOTES FIXED 3.7%	11,009,000	10,831,210	10,276,351
	548661DE4	LOWE'S COS INC CALLABLE NOTES FIXED 4.25	3,530,000	3,556,362	3,580,197
	548661DJ3	LOWE'S COS INC CALLABLE NOTES FIXED 4.37	5,840,000	6,060,440	6,016,310
	548661CX3	LOWE'S COS INC CALLABLE NOTES FIXED 4.65	1,760,000	1,884,122	1,880,894
	548661DA2	LOWE'S COS INC CALLABLE NOTES FIXED 5% 1	2,050,000	2,157,860	2,280,605
	548661CU9	LOWE'S COS INC CALLABLE NOTES FIXED 5.12	2,490,000	2,598,273	2,822,689
	548661CJ4	LOWE'S COS INC CALLABLE NOTES FIXED 5.5%	500,000	592,362	590,330
	548661CR6	LOWE'S COS INC CALLABLE NOTES FIXED 5.8%	4,135,000	4,721,159	5,068,724
	548661CL9	LOWE'S COS INC CALLABLE NOTES FIXED 5.8%	1,605,000	1,883,903	1,944,730
	548661CP0	LOWE'S COS INC CALLABLE NOTES FIXED 6.65	5,415,000	7,237,159	7,171,680
	548661107	LOWE'S COS INC COMMON STOCK USD 0.5	102,143	2,275,570	7,264,410
	50212V100	LPL FINANCIAL HOLDINGS INC COMMON STOCK	6,946	264,634	244,569
	6375780	LS CORP COMMON STOCK KRW 5000	10,820	592,451	531,235
	50218P107	LSC COMMUNICATIONS INC COMMON STOCK USD	2,443	153,126	72,508
	502999899	LSF SEG INVESTMENTS, L.P.	100	226,121	4,342,976
	LSIOPNTL1	LSI OPEN POSITON NET PAYABLE	-52,817	-52,817	-52,817
	549876AH3	LUKOIL INTERNATIONAL FINANCE BV CALLABLE	3,420,000	3,341,250	3,451,396

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	549876AG5	LUKOIL INTERNATIONAL FINANCE BV CALLABLE	630,000	620,732	636,300
	549876AE0	LUKOIL INTERNATIONAL FINANCE BV CALLABLE	350,000	369,688	379,225
	549876AL4	LUKOIL INTERNATIONAL FINANCE BV NOTES FI	3,920,000	3,920,000	3,926,899
	BYZF386	LUKOIL PJSC ADR USD 0.025	42,341	2,199,629	2,375,330
	69343P105	LUKOIL PJSC ADR USD 0.025	25,090	1,157,001	1,407,549
	550021109	LULULEMON ATHLETICA INC COMMON STOCK USD	7,749	519,842	503,608
	7187627	LUNDIN PETROLEUM AB COMMON STOCK SEK 0.0	21,487	369,641	468,548
	2538800	LUXOTTICA GROUP SPA ADR USD 0.06	39,052	519,641	2,097,092
	4800659	LUXOTTICA GROUP SPA COMMON STOCK EUR 0.0	24,140	782,767	1,301,091
	4061412	LVMH MOET HENNESSY LOUIS VUITTON SE COMM	16,795	2,971,568	3,213,415
	50247VAC3	LYB INTERNATIONAL FINANCE BV CALLABLE NO	1,590,000	1,500,563	1,646,588
	50247VAB5	LYB INTERNATIONAL FINANCE BV CALLABLE NO	7,930,000	8,188,519	8,525,860
	50247VAA7	LYB INTERNATIONAL FINANCE BV CALLABLE NO	270,000	267,166	282,093
	552081AM3	LYONDELLBASELL INDUSTRIES NV CALLABLE BO	14,334,000	13,216,796	13,319,726
	552081AK7	LYONDELLBASELL INDUSTRIES NV CALLABLE NO	1,200,000	1,427,016	1,373,316
	552081AG6	LYONDELLBASELL INDUSTRIES NV CALLABLE NO	3,235,000	3,452,982	3,418,263
	552081AD3	LYONDELLBASELL INDUSTRIES NV CALLABLE NO	6,000,000	6,874,230	6,804,420
	N53745100	LYONDELLBASELL INDUSTRIES NV COMMON STOC	32,803	1,773,591	2,813,841
	B1FRH89	M DIAS BRANCO SA COMMON STOCK BRL 0	4,700	189,428	166,082
	55261F104	M&T BANK CORP COMMON STOCK USD 0.5	11,986	1,018,202	1,874,970
	B02K2M3	M3 INC COMMON STOCK JPY	8,600	248,795	217,148
	6551030	MABUCHI MOTOR CO LTD COMMON STOCK JPY	13,720	816,213	717,555
	554382101	MACERICH CO/THE REIT USD 0.01	31,907	2,216,194	2,260,292
	55448QAS5	MACK-CALI REALTY LP CALLABLE NOTES FIXED	3,000,000	2,829,810	2,712,270
	55448QAQ9	MACK-CALI REALTY LP CALLABLE NOTES FIXED	500,000	520,500	503,130
	55608XAA5	MACQUARIE BANK LTD MEDIUM TERM NOTE FIXE	2,025,000	2,046,668	2,276,465
	B28YTC2	MACQUARIE GROUP LTD COMMON STOCK AUD 0	60,312	3,696,511	3,804,697
	55608B105	MACQUARIE INFRASTRUCTURE CORP COMMON STO	7,751	642,473	633,257
	55616P104	MACY'S INC COMMON STOCK USD 0.01	59,163	1,834,852	2,118,627
	577778BQ5	MACY'S RETAIL HOLDINGS INC CALLABLE BOND	7,303,000	6,844,862	8,122,835
	31410HAQ4	MACY'S RETAIL HOLDINGS INC CALLABLE BOND	900,000	1,089,126	1,019,223
	577778CB7	MACY'S RETAIL HOLDINGS INC CALLABLE NOTE	8,400,000	5,444,217	9,624,888
	55616XAM9	MACY'S RETAIL HOLDINGS INC CALLABLE NOTE	1,000,000	896,270	893,940
	55616XAH0	MACY'S RETAIL HOLDINGS INC CALLABLE NOTE	700,000	680,477	666,190
	55616XAG2	MACY'S RETAIL HOLDINGS INC CALLABLE NOTE	3,920,000	3,720,584	3,621,845
	55616XAF4	MACY'S RETAIL HOLDINGS INC CALLABLE NOTE	603,000	631,311	617,611
	314275AC2	MACY'S RETAIL HOLDINGS INC CALLABLE NOTE	2,770,000	2,846,222	2,926,588
	55818KAN1	MADISON PARK FUNDING XI LTD 2013-11A D F	500,000	491,750	497,471
	55825T103	MADISON SQUARE GARDEN CO/THE COMMON STOC	1,579	51,361	270,814
	6554705	MAEDA CORP COMMON STOCK JPY	19,000	165,611	166,159
	6554727	MAEDA ROAD CONSTRUCTION CO LTD COMMON ST	31,000	502,638	519,612
	559080AL0	MAGELLAN MIDSTREAM PARTNERS LP CALLABLE	2,765,000	2,736,430	2,597,911
	559080AK2	MAGELLAN MIDSTREAM PARTNERS LP CALLABLE	3,355,000	3,393,491	3,678,992
	559080AG1	MAGELLAN MIDSTREAM PARTNERS LP CALLABLE	6,575,000	6,572,198	6,833,726
	559080AF3	MAGELLAN MIDSTREAM PARTNERS LP CALLABLE	1,000,000	953,152	908,460
	559222401	MAGNA INTERNATIONAL INC COMMON STOCK CAD	100	4,134	4,340
	2554475	MAGNA INTERNATIONAL INC COMMON STOCK CAD	45,655	1,764,532	1,984,778
	B2QKYZ0	MAGNIT PJSC GDR USD	17,698	961,873	781,367
	55953Q202	MAGNIT PJSC GDR USD	3,897	155,079	172,053
	B1VX446	MAGNITOGORSK IRON & STEEL OJSC GDR USD	36,985	135,944	258,155
	4577469	MAGYAR TELEKOM TELECOMMUNICATIONS PLC CO	83,896	132,482	142,676
	B0HZY49	MAHLE-METAL LEVE SA COMMON STOCK BRL 0	44,300	324,566	282,566
	6555805	MAKITA CORP COMMON STOCK JPY	4,921	348,512	330,359
	561233AB3	MALLINCKRODT INTERNATIONAL FINANCE SA /	25,000	25,000	25,094
	561234AD7	MALLINCKRODT INTERNATIONAL FINANCE SA CA	852,000	846,496	850,935
	G5785G107	MALLINCKRODT PLC COMMON STOCK USD 0.2	17,903	1,053,743	891,927
	5563520	MAN SE COMMON STOCK EUR 0	5,106	524,421	508,019
	BQJZQJ8	MANDO CORP COMMON STOCK KRW 5000	1,756	416,026	340,936
	562750109	MANHATTAN ASSOCIATES INC COMMON STOCK US	17,895	719,598	948,972
	563568104	MANITOWOC FOODSERVICE INC COMMON STOCK U	10,225	165,090	197,649
	56400P201	MANNKIND CORP COMMON STOCK USD 0.01	5,200	4,126	3,311
	56418H100	MANPOWERGROUP INC COMMON STOCK USD 0.01	9,777	544,097	868,882
	55279HAJ9	MANUFACTURERS & TRADERS TRUST CO CALLABL	805,000	804,541	802,746
	55279HAE0	MANUFACTURERS & TRADERS TRUST CO CALLABL	1,800,000	1,796,958	1,813,284
	564760CA2	MANUFACTURERS & TRADERS TRUST CO NOTES F	1,305,000	1,511,660	1,362,368
	56501RAC0	MANULIFE FINANCIAL CORP CALLABLE NOTES F	2,000,000	1,995,140	2,088,020
	56501R106	MANULIFE FINANCIAL CORP COMMON STOCK CAD	108,841	1,732,749	1,939,547
	2492519	MANULIFE FINANCIAL CORP COMMON STOCK CAD	228,808	3,567,328	4,079,489
	B1G40S0	MAPFRE SA COMMON STOCK EUR 0.1	47,473	136,293	145,209
	565849AK2	MARATHON OIL CORP CALLABLE NOTES FIXED 2	4,656,000	4,027,340	4,452,347
	565849AL0	MARATHON OIL CORP CALLABLE NOTES FIXED 3	1,076,000	1,007,867	1,043,429
	565849AM8	MARATHON OIL CORP CALLABLE NOTES FIXED 5	2,460,000	2,297,234	2,318,673
	565849AF3	MARATHON OIL CORP CALLABLE NOTES FIXED 5	1,165,000	1,259,948	1,216,446
	565849AE6	MARATHON OIL CORP CALLABLE NOTES FIXED 6	1,325,000	1,403,511	1,447,987
	565849AB2	MARATHON OIL CORP CALLABLE NOTES FIXED 6	2,500,000	3,072,376	2,784,268
	565849106	MARATHON OIL CORP COMMON STOCK USD 1	121,879	1,473,150	2,109,725
	56585AAM4	MARATHON PETROLEUM CORP CALLABLE NOTES F	1,190,000	1,171,697	1,182,860
	56585AAL6	MARATHON PETROLEUM CORP CALLABLE NOTES F	2,950,000	2,918,509	3,017,024
	56585AAJ1	MARATHON PETROLEUM CORP CALLABLE NOTES F	2,955,000	2,806,699	2,502,087
	56585AAH5	MARATHON PETROLEUM CORP CALLABLE NOTES F	8,348,000	7,674,989	7,400,585
	56585AAG7	MARATHON PETROLEUM CORP CALLABLE NOTES F	2,360,000	2,351,528	2,330,736
	56585AAF9	MARATHON PETROLEUM CORP CALLABLE NOTES F	4,526,000	5,227,574	4,841,010
	56585AAD4	MARATHON PETROLEUM CORP CALLABLE NOTES F	410,000	456,576	447,585
	56585A102	MARATHON PETROLEUM CORP COMMON STOCK USD	62,540	1,415,551	3,148,889
	56624R108	MARCHEX INC COMMON STOCK USD 0.01	3,790	17,522	10,044
	566244109	MARCHFIRST INC COM STK USD0.001	129,668	2,753,055	13
	566324109	MARCUS & MILLICHAP INC COMMON STOCK USD	2,630	60,671	70,274
	B02L486	MARINE HARVEST ASA	24,693	411,646	446,658
	570535AM6	MARKEL CORP CALLABLE NOTES FIXED 3.625%	1,600,000	1,594,640	1,604,224

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
570535AP9	MARKEL CORP CALLABLE NOTES FIXED 5% 30/M	2,000,000	1,896,160	2,028,500	
570535AJ3	MARKEL CORP CALLABLE NOTES FIXED 5.35% 0	5,000,000	5,453,450	5,457,665	
570535104	MARKEL CORP COMMON STOCK USD 0	1,095	346,845	990,428	
57099JZ03	MARKET CORP VENTURE LP IBM	3,439,740	2,158,751	0	
57060D108	MARKETAXESS HOLDINGS INC COMMON STOCK US	2,926	407,175	429,888	
3127489	MARKS & SPENCER GROUP PLC COMMON STOCK G	302,683	2,051,742	1,309,036	
571903AJ2	MARRIOTT INTERNATIONAL INC/DE CALLABLE N	970,000	999,566	986,975	
571903AX1	MARRIOTT INTERNATIONAL INC/MD CALLABLE N	1,200,000	1,248,959	1,175,172	
571903AW3	MARRIOTT INTERNATIONAL INC/MD CALLABLE N	800,000	790,521	798,080	
571903AT0	MARRIOTT INTERNATIONAL INC/MD CALLABLE N	1,000,000	1,155,199	1,066,020	
571903AR4	MARRIOTT INTERNATIONAL INC/MD CALLABLE N	4,640,000	4,620,837	4,501,032	
571903202	MARRIOTT INTERNATIONAL INC/MD COMMON STO	119,199	5,500,838	9,855,373	
YXAJ7CO	MARS ARG V WTI SW CRUDE OIL 28/APR/2017	-2	0	816	
YXAG7CO	MARS ARG V WTI SW CRUDE OIL 28/FEB/2017	-13	0	5,793	
YXAZ7CO	MARS ARG V WTI SW CRUDE OIL 29/DEC/2017	-2	0	1,236	
YXAU7CO	MARS ARG V WTI SW CRUDE OIL 29/SEP/2017	-2	0	1,196	
YXAM7CO	MARS ARG V WTI SW CRUDE OIL 30/JUN/2017	-2	0	996	
YXAX7CO	MARS ARG V WTI SW CRUDE OIL 30/NOV/2017	-2	0	1,236	
YXAQ7CO	MARS ARG V WTI SW CRUDE OIL 31/AUG/2017	-2	0	1,196	
YXAF7CO	MARS ARG V WTI SW CRUDE OIL 31/JAN/2017	-13	0	6,833	
YXAN7CO	MARS ARG V WTI SW CRUDE OIL 31/JUL/2017	-2	0	1,196	
YXAH7CO	MARS ARG V WTI SW CRUDE OIL 31/MAR/2017	-13	0	7,353	
YXAK7CO	MARS ARG V WTI SW CRUDE OIL 31/MAY/2017	-2	0	996	
YXAV7CO	MARS ARG V WTI SW CRUDE OIL 31/OCT/2017	-2	0	1,236	
571748AT9	MARSH & MCLENNAN COS INC CALLABLE MEDIUM	1,450,000	1,488,599	1,463,630	
571748AZ5	MARSH & MCLENNAN COS INC CALLABLE NOTES	2,545,000	2,542,683	2,592,719	
571748AW2	MARSH & MCLENNAN COS INC CALLABLE NOTES	1,700,000	1,698,487	1,709,554	
571748102	MARSH & MCLENNAN COS INC COMMON STOCK US	43,081	1,191,967	2,911,845	
571748AK8	MARSH & MCLENNAN COS INC NOTES FIXED 5.8	520,000	606,713	616,392	
569512	MARTIN CURRIE ASIA UNCONSTRAINED TRUST P	408,000	1,731,917	1,623,347	
573284AN6	MARTIN MARIETTA MATERIALS INC CALLABLE N	850,000	845,138	863,609	
573284106	MARTIN MARIETTA MATERIALS INC COMMON STO	5,049	430,535	1,118,505	
6569464	MARUBENI CORP COMMON STOCK JPY	332,284	1,802,909	1,888,265	
6569527	MARUI GROUP CO LTD COMMON STOCK JPY	29,593	324,923	433,105	
6569505	MARUICHI STEEL TUBE LTD COMMON STOCK JPY	2,479	80,257	80,873	
6633712	MARUTI SUZUKI INDIA LTD COMMON STOCK INR	22,717	1,448,895	1,780,525	
G5876H105	MARVELL TECHNOLOGY GROUP LTD COMMON STOC	164,985	2,267,425	2,288,342	
574599BK1	MASCO CORP CALLABLE NOTES FIXED 3.5% 01/	2,870,000	2,860,127	2,877,175	
574599BL9	MASCO CORP CALLABLE NOTES FIXED 4.375% 0	1,040,000	1,035,050	1,050,400	
574599BJ4	MASCO CORP CALLABLE NOTES FIXED 4.45% 01	900,000	929,000	913,500	
574599BH8	MASCO CORP CALLABLE NOTES FIXED 5.95% 15	2,500,000	2,747,500	2,762,500	
574599BG0	MASCO CORP CALLABLE NOTES FIXED 7.125% 1	200,000	228,500	225,000	
574599106	MASCO CORP COMMON STOCK USD 1	62,973	1,416,691	1,991,206	
575634AT7	MASSACHUSETTS ELECTRIC CO CALLABLE NOTES	1,420,000	1,420,000	1,363,356	
575634AS9	MASSACHUSETTS ELECTRIC CO CALLABLE NOTES	2,195,000	2,263,592	2,650,024	
575718AF8	MASSACHUSETTS INSTITUTE OF TECHNOLOGY CA	7,426,000	7,187,462	6,353,389	
575718AB7	MASSACHUSETTS INSTITUTE OF TECHNOLOGY CA	6,140,000	6,171,625	6,180,770	
575718AA9	MASSACHUSETTS INSTITUTE OF TECHNOLOGY CA	3,080,000	4,147,579	3,733,330	
575767AJ7	MASSACHUSETTS MUTUAL LIFE INSURANCE CO C	750,000	747,503	827,055	
575767AG3	MASSACHUSETTS MUTUAL LIFE INSURANCE CO N	3,920,000	4,651,492	5,884,547	
57604TAD8	MASSACHUSETTS ST TRANSN FD REV ACCELERAT	115,000	115,000	145,615	
57629WB5	MASSMUTUAL GLOBAL FUNDING II NOTES FIXED	2,220,000	2,219,378	2,164,078	
57636QAG9	MASTERCARD INC CALLABLE NOTES FIXED 2.95	1,190,000	1,187,846	1,176,696	
57636QAH7	MASTERCARD INC CALLABLE NOTES FIXED 3.8%	6,830,000	6,715,802	6,694,766	
57636Q104	MASTERCARD INC COMMON STOCK USD 0.0001	107,957	3,760,660	11,146,560	
576434FK5	MASTR ALTERNATIVE LOAN TRUST 2003-5 2003	182,318	179,384	185,245	
576434LV4	MASTR ALTERNATIVE LOAN TRUST 2004-1 2004	2,088,843	2,052,615	2,117,691	
576434V68	MASTR ALTERNATIVE LOAN TRUST 2005-6 2005	1,257,366	970,178	1,137,725	
55265KUX5	MASTR ASSET SECURITIZATION TRUST 2003-4	602,735	604,230	619,500	
55265KXH7	MASTR ASSET SECURITIZATION TRUST 2003-5	302,546	302,924	303,737	
55265KYN3	MASTR ASSET SECURITIZATION TRUST 2003-6	1,028,240	1,039,808	1,094,113	
55265KB32	MASTR ASSET SECURITIZATION TRUST 2003-7	250,477	258,070	253,002	
55265KA25	MASTR ASSET SECURITIZATION TRUST 2003-7	187,758	194,212	195,621	
55265K5V7	MASTR ASSET SECURITIZATION TRUST 2004-1	2,163,121	1,895,420	2,172,705	
6665878	MATAHARI DEPARTMENT STORE TBK PT COMMON	531,500	677,998	596,692	
57665R106	MATCH GROUP INC COMMON STOCK USD 0.001	2,413	34,600	41,262	
B249GC0	MATSUMOTOKIYOSHI HOLDINGS CO LTD COMMON	17,800	887,330	879,050	
577081AW2	MATTEL INC CALLABLE NOTES FIXED 5.45% 01	735,000	767,414	737,668	
577081AU6	MATTEL INC CALLABLE NOTES FIXED 6.2% 01/	435,000	520,695	475,159	
577081102	MATTEL INC COMMON STOCK USD 1	89,874	2,574,120	2,476,029	
B1TJG95	MAX FINANCIAL SERVICES LTD COMMON STOCK	90,105	747,079	728,527	
57772KAB7	MAXIM INTEGRATED PRODUCTS INC CALLABLE N	2,500,000	2,471,975	2,442,050	
57772K101	MAXIM INTEGRATED PRODUCTS INC COMMON STO	31,388	840,342	1,210,635	
578454AC4	MAYO CLINIC CALLABLE BOND FIXED 4% 15/NO	500,000	500,000	478,440	
578454AD2	MAYO CLINIC CALLABLE BOND FIXED 4.128% 1	2,209,000	2,209,000	2,171,911	
4563640	MAYR MELNHOF KARTON AG COMMON STOCK EUR	1,322	154,428	140,414	
6900308	MAZDA MOTOR CORP COMMON STOCK JPY	169,957	2,631,359	2,786,109	
BYNVDO8	MCCARTHY & STONE PLC COMMON STOCK GBP 8	67,899	213,473	135,078	
579780206	MCCORMICK & CO INC/MD COMMON STOCK USD 0	9,222	166,974	860,689	
58013MFA7	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	17,990,000	18,801,450	19,268,549	
58013MEZ3	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	11,093,000	11,908,835	11,735,507	
58013MEY6	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	5,060,000	5,106,574	5,151,586	
58013MEX8	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	610,000	608,890	616,802	
58013MEW0	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	1,657,000	1,680,706	1,666,843	
58013MEV2	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	5,660,000	5,675,840	5,844,290	
58013MER1	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	1,945,000	1,764,068	1,710,628	
58013MEN0	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	1,920,000	1,833,786	1,710,874	
58013MEF7	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	2,355,000	2,938,744	2,934,777	
58013MEC4	MCDONALD'S CORP CALLABLE MEDIUM TERM NOT	5,105,000	6,558,219	6,413,820	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
58013MEK6	MCDONALD'S CORP CALLABLE NOTES FIXED 4.8	1,465,000	1,543,451	1,548,095	
580135101	MCDONALD'S CORP COMMON STOCK USD 0.01	120,735	8,313,878	14,695,864	
6371863	MCDONALD'S HOLDINGS CO JAPAN LTD COMMON	3,000	84,958	78,707	
55277BAC9	MCE FINANCE LTD CALLABLE NOTES FIXED 5%	1,040,000	989,346	1,033,375	
552991309	MCF CAPITAL PARTNERS L P IBM	3,675,000	3,957,310	0	
581557BB0	MCKESSON CORP CALLABLE NOTES FIXED 1.292	16,780,000	16,780,398	16,784,027	
581557BD6	MCKESSON CORP CALLABLE NOTES FIXED 2.284	1,000,000	995,070	1,003,750	
581557BC8	MCKESSON CORP CALLABLE NOTES FIXED 4.883	7,475,000	7,698,653	7,604,019	
581557AX3	MCKESSON CORP CALLABLE NOTES FIXED 7.5%	660,000	866,757	731,623	
58155Q103	MCKESSON CORP COMMON STOCK USD 0.01	50,322	4,803,855	7,067,725	
552676AQ1	MDC HOLDINGS INC CALLABLE NOTES FIXED 6%	1,610,000	1,610,000	1,352,400	
552690109	MDU RESOURCES GROUP INC COMMON STOCK USD	15,576	240,280	448,122	
582839AG1	MEAD JOHNSON NUTRITION CO CALLABLE NOTES	490,000	473,889	473,507	
582839106	MEAD JOHNSON NUTRITION CO COMMON STOCK U	14,897	645,241	1,054,112	
583334AE7	MEADWESTVACO CORP CALLABLE NOTES FIXED 7	1,620,000	1,826,518	1,827,959	
BH0VTS2	MEBUKI FINANCIAL GROUP INC COMMON STOCK	165,994	587,513	616,242	
58405UAG7	MEDCO HEALTH SOLUTIONS INC CALLABLE NOTE	2,115,000	2,194,370	2,219,278	
B01G2K0	MEDIASET ESPANA COMUNICACION SA COMMON S	97,015	1,142,269	1,140,941	
6372480	MEDIATEK INC COMMON STOCK TWD 10	19,000	147,075	127,634	
BRTNNQ5	MEDIBANK PVT LTD COMMON STOCK AUD	578,847	1,101,681	1,181,984	
LX1508470	Medical Card Systems, Inc-LX150847	1,866,502	1,557,331	1,244,895	
58463J304	MEDICAL PROPERTIES TRUST INC REIT USD 0.	449,200	6,375,203	5,525,160	
B8HX828	MEDICLINIC INTERNATIONAL PLC COMMON STOC	16,239	157,310	154,707	
4574813	MEDIOBANCA SPA COMMON STOCK EUR 0.5	161,242	1,152,486	1,318,893	
6782090	MEDIPAL HOLDINGS CORP COMMON STOCK JPY	74,638	1,060,359	1,179,387	
58503F106	MEDLEY CAPITAL CORP COMMON STOCK USD 0.0	200	1,421	1,502	
58502B106	MEDNAX INC COMMON STOCK USD 0.01	7,326	168,875	488,351	
585055AX4	MEDTRONIC INC CALLABLE NOTES FIXED 3.125	100,000	102,364	102,170	
585055BR6	MEDTRONIC INC CALLABLE NOTES FIXED 3.15%	7,715,000	7,701,781	7,901,857	
585055BS4	MEDTRONIC INC CALLABLE NOTES FIXED 3.5%	12,100,000	12,126,546	12,408,377	
585055BT2	MEDTRONIC INC CALLABLE NOTES FIXED 4.375	16,435,000	16,518,414	17,387,080	
585055AW6	MEDTRONIC INC CALLABLE NOTES FIXED 4.5%	2,955,000	2,992,290	3,083,336	
585055BU9	MEDTRONIC INC CALLABLE NOTES FIXED 4.625	41,734,000	44,548,024	45,131,982	
585055BD7	MEDTRONIC INC CALLABLE NOTES FIXED 4.625	4,160,000	4,140,378	4,468,506	
585055AT3	MEDTRONIC INC CALLABLE NOTES FIXED 5.55%	1,757,000	1,981,217	2,045,271	
585055AN6	MEDTRONIC INC CALLABLE NOTES FIXED 5.6%	90,000	109,014	96,920	
G5960L103	MEDTRONIC PLC COMMON STOCK USD 0.1	146,000	5,697,278	10,399,580	
B292SM8	MEGACABLE HOLDINGS SAB DE CV UNIT MXN 0	69,500	279,872	234,157	
575809	MEGGITT PLC COMMON STOCK GBP 5	145,503	822,637	824,520	
B60DQV3	MEIJI HOLDINGS CO LTD COMMON STOCK JPY	5,066	433,488	397,861	
585464100	MELCO CROWN ENTERTAINMENT LTD ADR USD 0.	8,500	144,670	135,150	
B1DJRS7	MELKER SCHORLING AB COMMON STOCK SEK 0.0	9,927	667,200	587,341	
M51363113	MELLANOX TECHNOLOGIES LTD COMMON STOCK U	200	8,203	8,180	
585525FN3	MELLON RESIDENTIAL FUNDING CORP MOR PS T	22,784	18,925	22,322	
586054AC2	MEMORIAL SLOAN-KETTERING CANCER CENTER C	1,447,000	1,441,747	1,411,718	
586054AB4	MEMORIAL SLOAN-KETTERING CANCER CENTER C	1,585,000	1,483,645	1,530,524	
58733R102	MERCADOLIBRE INC COMMON STOCK USD 0.001	6,392	964,187	998,047	
579403	MERCANTILE INVESTMENT TRUST PLC CLOSED-E	230,289	4,745,733	4,877,300	
588056101	MERCER INTERNATIONAL INC COMMON STOCK US	574	5,135	6,113	
58933YAG0	MERCK & CO INC CALLABLE NOTES FIXED 1.3%	1,320,000	1,329,042	1,318,627	
58933YAO8	MERCK & CO INC CALLABLE NOTES FIXED 2.35	2,100,000	2,058,051	2,085,279	
58933YAR6	MERCK & CO INC CALLABLE NOTES FIXED 2.75	4,150,000	4,143,153	4,074,719	
58933YAF2	MERCK & CO INC CALLABLE NOTES FIXED 2.8%	610,000	612,952	612,361	
58933YAT2	MERCK & CO INC CALLABLE NOTES FIXED 3.7%	26,093,000	26,000,866	24,880,719	
58933YAJ4	MERCK & CO INC CALLABLE NOTES FIXED 4.15	4,650,000	4,761,740	4,776,387	
58933Y105	MERCK & CO INC COMMON STOCK USD 0.5	329,777	13,018,137	19,413,972	
4741844	MERCK KGAA COMMON STOCK EUR 0	5,408	561,920	565,560	
6580454	MERCURIES & ASSOCIATES HOLDING LTD COMMO	677,780	387,054	480,538	
589400100	MERCURY GENERAL CORP COMMON STOCK USD 0	2,346	91,645	141,253	
B8W6K56	MERCURY NZ LTD COMMON STOCK NZD	189,071	408,308	390,244	
58958U103	MERIDIAN BANCORP INC COMMON STOCK USD 0	27,045	341,229	511,151	
BWFD052	MERIDIAN ENERGY LTD COMMON STOCK NZD 0	65,791	116,309	119,278	
B0YCFG2	MERITZ FIRE & MARINE INSURANCE CO LTD CO	12,546	174,601	158,928	
BDZT6P9	MERLIN ENTERTAINMENTS PLC COMMON STOCK G	373,079	2,231,480	2,068,024	
59023VAA8	MERRILL LYNCH & CO INC CALLABLE NOTES FI	4,765,000	5,789,619	6,560,452	
59022CAJ2	MERRILL LYNCH & CO INC CALLABLE NOTES FI	29,261,000	31,909,317	34,302,670	
59020UZ65	MERRILL LYNCH MORTGAGE INVESTORS TRUST M	239,326	234,839	222,396	
589929W87	MERRILL LYNCH MORTGAGE INVESTORS TRUST M	93,304	90,743	89,982	
589929R26	MERRILL LYNCH MORTGAGE INVESTORS TRUST M	187,298	184,313	183,460	
59020UZZ1	MERRILL LYNCH MORTGAGE INVESTORS TRUST S	692,933	666,082	689,349	
59020UL60	MERRILL LYNCH MORTGAGE INVESTORS TRUST S	27,409	26,895	25,673	
59020UAC9	MERRILL LYNCH MORTGAGE INVESTORS TRUST S	175,876	174,112	176,469	
59020UA39	MERRILL LYNCH MORTGAGE INVESTORS TRUST S	451,642	455,265	426,852	
59020UA21	MERRILL LYNCH MORTGAGE INVESTORS TRUST S	172,092	166,167	172,215	
CCBOSZUS6	MERRILL LYNCH PIERCE FENNER & SMITH	1,314,000	1,314,000	1,314,000	
CCBOSHUS6	MERRILL LYNCH PIERCE FENNER & SMITH	100,000	100,000	100,000	
CCBOSCUS7	MERRILL LYNCH PIERCE FENNER & SMITH	1,100,000	1,100,000	1,100,000	
59099M919	METALMARK CAPITAL/1133 WEST	100	0	2,089,290	
B0744W4	METCASH LTD COMMON STOCK AUD 0	238,091	475,881	393,076	
59151KAK4	METHANEX CORP CALLABLE NOTES FIXED 4.25%	900,000	796,194	865,782	
59151KAJ7	METHANEX CORP CALLABLE NOTES FIXED 5.65%	2,930,000	2,620,699	2,570,430	
2654416	METHANEX CORP COMMON STOCK CAD 0	10,309	393,989	452,703	
591560AA5	METLIFE CAPITAL TRUST IV CALLABLE BOND F	2,100,000	2,319,474	2,531,550	
59156CAB7	METLIFE CAPITAL TRUST X CALLABLE BOND FI	1,550,000	2,021,375	2,108,000	
59156RAV0	METLIFE INC CALLABLE BOND FIXED 10.75% 0	6,205,000	9,726,701	9,524,675	
59156RBB3	METLIFE INC CALLABLE BOND FIXED 4.368% 1	4,000,000	4,123,542	4,304,400	
59156RBL1	METLIFE INC CALLABLE BOND FIXED 4.721% 1	8,975,000	9,341,519	9,550,657	
59156RAJ7	METLIFE INC CALLABLE BOND FIXED 6.375% 1	2,415,000	3,114,458	3,039,060	
59156RAP3	METLIFE INC CALLABLE BOND FIXED 6.4% 15/	10,750,000	11,048,053	11,610,000	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
59156RAE8	METLIFE INC CALLABLE BOND FIXED 6.5% 15/	3,009,000	3,934,960	3,779,033	
59156RBP2	METLIFE INC CALLABLE BOND VARIABLE USD 1	3,936,000	3,936,000	3,985,200	
59156RBM9	METLIFE INC CALLABLE NOTES FIXED 3% 01/M	3,050,000	2,941,347	2,992,294	
59156RBN7	METLIFE INC CALLABLE NOTES FIXED 4.05% 0	4,645,000	4,543,340	4,454,323	
59156RBD9	METLIFE INC CALLABLE NOTES FIXED 4.125%	3,490,000	3,280,139	3,434,753	
59156RBR8	METLIFE INC CALLABLE NOTES FIXED 4.6% 13	1,914,000	1,945,212	2,014,925	
59156RAX6	METLIFE INC CALLABLE NOTES FIXED 4.75% 0	750,000	749,813	815,595	
59156RBG2	METLIFE INC CALLABLE NOTES FIXED 4.875%	4,855,000	5,034,043	5,256,314	
59156RAM0	METLIFE INC CALLABLE NOTES FIXED 5.7% 15	9,945,000	11,676,657	11,701,685	
59156RAY4	METLIFE INC CALLABLE NOTES FIXED 5.875%	4,415,000	5,071,611	5,363,121	
59156RAT5	METLIFE INC CALLABLE NOTES FIXED 7.717%	260,000	317,171	290,846	
59156R108	METLIFE INC COMMON STOCK USD 0.01	141,855	5,352,433	7,644,566	
5041413	METRO AG COMMON STOCK EUR 0	66,570	1,966,926	2,217,732	
2583952	METRO INC COMMON STOCK CAD 0	36,260	1,056,968	1,085,867	
B1L8838	METRO PACIFIC INVESTMENTS CORP COMMON ST	3,696,800	584,695	495,262	
591894CB4	METROPOLITAN EDISON CO CALLABLE BOND FIX	2,315,000	2,308,634	2,330,626	
591894BY5	METROPOLITAN EDISON CO CALLABLE NOTES FI	1,300,000	1,342,471	1,297,998	
592125AM0	METROPOLITAN GOVT NASHVILLE & DAVIDSON C	920,000	1,089,732	1,189,827	
59217GBZ1	METROPOLITAN LIFE GLOBAL FUNDING I MEDIU	1,420,000	1,418,750	1,420,483	
59217GBY4	METROPOLITAN LIFE GLOBAL FUNDING I NOTES	12,624,000	12,624,400	12,665,135	
59217GBX6	METROPOLITAN LIFE GLOBAL FUNDING I NOTES	645,000	643,929	627,056	
59217GBV0	METROPOLITAN LIFE GLOBAL FUNDING I NOTES	435,000	434,378	428,423	
59217GAY5	METROPOLITAN LIFE GLOBAL FUNDING I NOTES	1,510,000	1,500,170	1,510,242	
59217GAX7	METROPOLITAN LIFE GLOBAL FUNDING I NOTES	3,670,000	3,587,890	3,685,965	
59217GAQ2	METROPOLITAN LIFE GLOBAL FUNDING I NOTES	5,200,000	5,525,484	5,494,892	
592189AA2	METROPOLITAN MUSEUM OF ART/THE CALLABLE	655,000	651,201	597,393	
59259NZH9	METROPOLITAN TRANSN AUTH N Y DEDICATED T	875,000	1,362,699	1,286,250	
5713422	METSO OYJ COMMON STOCK EUR 0	57,040	1,221,811	1,630,416	
592688105	METTLER-TOLEDO INTERNATIONAL INC COMMON	2,088	106,729	873,953	
59284MAB0	MEXICO CITY AIRPORT TRUST CALLABLE BOND	1,250,000	1,243,439	1,125,000	
59284MAA2	MEXICO CITY AIRPORT TRUST CALLABLE NOTES	4,400,000	4,407,434	4,284,500	
55272X102	MFA FINANCIAL INC REIT USD 0.01	209,525	1,611,347	1,598,676	
6700616	MFEC PCL NVDR THB 1	156,300	38,959	23,133	
552727109	MFS CHARTER INCOME TRUST CLOSED-END FUND	323,020	2,733,941	2,752,130	
552939100	MFS GOVERNMENT MARKETS INCOME TRUST CLOS	1,598,172	8,857,543	8,054,787	
55273C107	MFS INTERMEDIATE INCOME TRUST CLOSED-END	2,754,692	13,206,122	12,230,832	
552737108	MFS MULTIMARKET INCOME TRUST CLOSED-END	591,598	3,626,354	3,585,084	
552848103	MGIC INVESTMENT CORP COMMON STOCK USD 1	4,600	43,844	46,874	
B4P8HQ1	MGM CHINA HOLDINGS LTD COMMON STOCK HKD	42,000	81,328	87,108	
55303A105	MGM GROWTH PROPERTIES LLC REIT USD	283,600	6,599,961	7,177,916	
552953BW0	MGM RESORTS INTERNATIONAL CALLABLE NOTES	950,000	1,094,875	1,067,610	
552953101	MGM RESORTS INTERNATIONAL COMMON STOCK U	38,006	548,484	1,095,713	
G60754101	MICHAEL KORS HOLDINGS LTD COMMON STOCK U	17,230	898,023	740,545	
59408Q106	MICHAELS COS INC/THE COMMON STOCK USD 0.	120,092	3,005,748	2,455,881	
595017104	MICROCHIP TECHNOLOGY INC COMMON STOCK US	16,745	350,467	1,074,192	
595991R51	MICROFABRICA INC SERIES AA PDF STOCK	6,776	0	10,558	
595991R69	MICROFABRICA INC SERIES AB	6,038	0	9,409	
595991R44	MICROFABRICA INC SERIES AC PFD STOCK	2,482	0	3,867	
595991R36	MICROFABRICA INC SERIES B PFD STOCK	1,954	0	3,045	
595112BH5	MICRON TECHNOLOGY INC CALLABLE NOTES FIX	334,000	334,000	369,905	
595112103	MICRON TECHNOLOGY INC COMMON STOCK USD 0	120,266	2,101,975	2,636,231	
594918BQ6	MICROSOFT CORP CALLABLE BOND FIXED 2% 08	4,075,000	4,062,816	3,894,885	
594918BR4	MICROSOFT CORP CALLABLE BOND FIXED 2.4%	17,675,000	17,642,125	16,697,573	
594918BN3	MICROSOFT CORP CALLABLE NOTES FIXED 1.1%	1,410,000	1,408,548	1,391,036	
594918BF0	MICROSOFT CORP CALLABLE NOTES FIXED 1.3%	1,320,000	1,327,750	1,318,944	
594918BP8	MICROSOFT CORP CALLABLE NOTES FIXED 1.55	2,285,000	2,282,601	2,216,244	
594918BA1	MICROSOFT CORP CALLABLE NOTES FIXED 2.37	4,385,000	4,377,414	4,367,372	
594918BB9	MICROSOFT CORP CALLABLE NOTES FIXED 2.7%	873,171	873,171	857,386	
594918BJ2	MICROSOFT CORP CALLABLE NOTES FIXED 3.12	2,295,000	2,358,782	2,320,635	
594918BS2	MICROSOFT CORP CALLABLE NOTES FIXED 3.45	26,170,000	26,368,726	24,870,921	
594918BC7	MICROSOFT CORP CALLABLE NOTES FIXED 3.5%	6,831,000	6,519,482	6,575,384	
594918AR5	MICROSOFT CORP CALLABLE NOTES FIXED 3.5%	2,139,000	2,016,257	1,952,864	
594918BT0	MICROSOFT CORP CALLABLE NOTES FIXED 3.7%	66,671,000	65,897,644	62,768,746	
594918BD5	MICROSOFT CORP CALLABLE NOTES FIXED 3.75	17,986,000	17,512,763	16,866,372	
594918AU8	MICROSOFT CORP CALLABLE NOTES FIXED 3.75	850,000	853,146	803,531	
594918BU7	MICROSOFT CORP CALLABLE NOTES FIXED 3.95	10,370,000	10,290,105	9,794,258	
594918BE3	MICROSOFT CORP CALLABLE NOTES FIXED 4% 1	9,472,000	9,218,968	8,958,428	
594918BK9	MICROSOFT CORP CALLABLE NOTES FIXED 4.2%	1,500,000	1,495,770	1,578,465	
594918BL7	MICROSOFT CORP CALLABLE NOTES FIXED 4.45	26,324,000	26,775,988	28,046,116	
594918BM5	MICROSOFT CORP CALLABLE NOTES FIXED 4.75	3,915,000	3,905,476	4,258,306	
594918AX2	MICROSOFT CORP CALLABLE NOTES FIXED 4.87	2,630,000	2,635,672	2,919,274	
594918104	MICROSOFT CORP COMMON STOCK USD 0.000006	812,979	21,178,285	50,518,515	
594918AJ3	MICROSOFT CORP NOTES FIXED 4.5% 01/OCT/2	1,000,000	1,116,916	1,062,590	
594918AD6	MICROSOFT CORP NOTES FIXED 5.2% 01/JUN/2	610,000	699,755	715,207	
594918AM6	MICROSOFT CORP NOTES FIXED 5.3% 08/FEB/2	3,230,000	4,005,897	3,840,470	
6133450	MICRO-STAR INTERNATIONAL CO LTD COMMON S	305,000	469,163	696,516	
594972408	MICROSTRATEGY INC COMMON STOCK USD 0.001	2,099	331,719	414,343	
59522J103	MID-AMERICA APARTMENT COMMUNITIES INC RE	9,000	590,085	881,280	
59523UAM9	MID-AMERICA APARTMENTS LP CALLABLE NOTES	2,280,000	2,280,481	2,310,917	
59523UAL1	MID-AMERICA APARTMENTS LP CALLABLE NOTES	3,330,000	3,295,634	3,339,690	
59523UAA5	MID-AMERICA APARTMENTS LP CALLABLE NOTES	220,000	217,903	229,489	
595620AP0	MIDAMERICAN ENERGY CO CALLABLE BOND FIXE	2,675,000	2,673,280	2,755,063	
595620AM7	MIDAMERICAN ENERGY CO CALLABLE BOND FIXE	645,000	666,689	666,704	
595620AL9	MIDAMERICAN ENERGY CO CALLABLE BOND FIXE	6,616,000	7,361,365	7,318,421	
595620AB1	MIDAMERICAN ENERGY CO CALLABLE BOND FIXE	1,125,000	1,248,784	1,522,620	
59562EAH8	MIDAMERICAN ENERGY CO CALLABLE MEDIUM TE	3,665,000	4,439,681	4,435,053	
596278101	MIDDLEBY CORP/THE COMMON STOCK USD 0.01	4,530	363,711	583,509	
597991991	MIDDLEWEST VENTURES II LP - IBM	1,732,459	419,917	0	
562254	MILLENNIUM & COPTHORNE HOTELS PLC COMMON	28,489	214,285	162,072	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
B00L2M8	MILLICOM INTERNATIONAL CELLULAR SA SDR S	2,912	117,476	124,787	
6642406	MINEBEA MITSUMI INC COMMON STOCK JPY	15,000	139,623	140,953	
603374AD1	MINERVA LUXEMBOURG SA CALLABLE NOTES FIX	227,000	224,948	218,771	
B018BZ4	MINOR INTERNATIONAL PCL FOREIGN SH. THB	441,200	469,467	449,695	
6356611	MIRACA HOLDINGS INC COMMON STOCK JPY	2,400	113,164	108,029	
6161978	MIRVAC GROUP REIT AUD 0	733,493	1,069,598	1,131,290	
6557997	MISC BHD COMMON STOCK MYR 1	146,400	316,090	239,866	
605417BZ6	MISSISSIPPI POWER CO CALLABLE NOTES FIXE	380,000	377,891	328,730	
7C6642B	MISSION BROADCASTING INC (NEXSTAR) TL B B	49,091	49,091	49,589	
60636AMQ3	MISSOURI ST HEALTH & EDL FACS AUTH EDL F	765,000	765,000	751,590	
60649T107	MISTRAS GROUP INC COMMON STOCK USD 0.01	100	2,341	2,568	
6595179	MISUMI GROUP INC COMMON STOCK JPY	12,000	215,970	197,951	
BOJQTJ0	MITSUBISHI CHEMICAL HOLDINGS CORP COMMON	187,273	1,188,508	1,217,070	
6596785	MITSUBISHI CORP COMMON STOCK JPY	222,671	4,770,370	4,753,726	
6597045	MITSUBISHI ELECTRIC CORP COMMON STOCK JP	125,505	1,706,948	1,753,422	
6596729	MITSUBISHI ESTATE CO LTD COMMON STOCK JP	128,788	2,567,100	2,570,018	
6596923	MITSUBISHI GAS CHEMICAL CO INC COMMON ST	49,293	573,997	843,139	
6597067	MITSUBISHI HEAVY INDUSTRIES LTD COMMON S	790,496	3,593,057	3,609,707	
6596848	MITSUBISHI LOGISTICS CORP COMMON STOCK J	64,986	926,256	921,009	
6597089	MITSUBISHI MATERIALS CORP COMMON STOCK J	38,315	1,020,633	1,179,327	
6598446	MITSUBISHI MOTORS CORP COMMON STOCK JPY	166,072	800,009	948,291	
6870984	MITSUBISHI TANABE PHARMA CORP COMMON STO	43,215	842,769	849,591	
606822AJ3	MITSUBISHI UFJ FINANCIAL GROUP INC BOND	2,805,000	2,805,000	2,634,821	
6335171	MITSUBISHI UFJ FINANCIAL GROUP INC COMMO	1,412,635	7,701,620	8,722,765	
606822AD6	MITSUBISHI UFJ FINANCIAL GROUP INC NOTES	265,000	276,321	272,221	
606822AA2	MITSUBISHI UFJ FINANCIAL GROUP INC NOTES	7,062,000	7,204,695	7,109,174	
6268976	MITSUBISHI UFJ LEASE & FINANCE CO LTD CO	192,740	919,942	998,113	
60682VAD2	MITSUBISHI UFJ TRUST & BANKING CORP NOTE	2,271,000	2,321,582	2,262,961	
6597302	MITSUMI & CO LTD COMMON STOCK JPY	254,454	3,420,009	3,505,874	
6597368	MITSUMI CHEMICALS INC COMMON STOCK JPY	250,796	1,194,272	1,128,888	
6597603	MITSUMI FUDOSAN CO LTD COMMON STOCK JPY	38,233	890,421	886,700	
6597584	MITSUMI OSK LINES LTD COMMON STOCK JPY	417,463	944,790	1,159,669	
60688N102	MIX TELEMATICS LTD ADR USD 0	4,364	28,975	27,013	
B1BSCX6	MIXI INC COMMON STOCK JPY	32,000	1,144,454	1,171,518	
6916703	MIZRAHI TEFAHOT BANK LTD COMMON STOCK IL	6,128	83,763	89,723	
60688XAA8	MIZUHO BANK LTD NOTES FIXED 1.3% 16/APR/	1,170,000	1,168,315	1,169,825	
60688XAC4	MIZUHO BANK LTD NOTES FIXED 2.45% 16/APR	475,000	474,155	477,014	
6591014	MIZUHO FINANCIAL GROUP INC COMMON STOCK	3,363,865	6,261,431	6,050,833	
60687YAB5	MIZUHO FINANCIAL GROUP INC NOTES FIXED 2	3,323,000	3,367,528	3,288,241	
60687YAF6	MIZUHO FINANCIAL GROUP INC NOTES VARIABL	1,400,000	1,400,000	1,399,524	
6680116	MK LAND HOLDINGS BHD COMMON STOCK MYR 1	251,700	39,114	15,710	
6579678	MKH BHD COMMON STOCK MYR 1	82,800	58,518	52,419	
55312TAD5	ML-CFC COMMERCIAL MORTGAGE TRUST 2007-6	460,758	468,672	461,835	
60688BAD0	ML-CFC COMMERCIAL MORTGAGE TRUST 2007-8	2,189,928	2,311,414	2,216,517	
BSYW6D0	MMC NORILSK NICKEL PJSC-ADR	11,554	172,381	193,992	
55315J102	MMC NORILSK NICKEL PJSC-ADR	12,036	200,906	202,084	
B4PXV75	MMI HOLDINGS LTD/SOUTH AFRICA COMMON STO	190,966	498,623	329,425	
607409109	MOBILE TELESYSTEMS PJSC ADR USD	37,261	720,452	339,448	
N51488117	MOBILEYE NV COMMON STOCK	7,600	284,924	289,712	
B151P43	MODERN TIMES GROUP MTG AB COMMON STOCK S	20,881	863,739	620,596	
608190104	MOHAWK INDUSTRIES INC COMMON STOCK USD 0	8,311	952,061	1,659,540	
608328BF6	MOHEGAN TRIBAL GAMING AUTHORITY CALLABLE	4,590,000	4,600,476	4,681,800	
4742494	MOL HUNGARIAN OIL & GAS PLC COMMON STOCK	8,983	564,426	633,004	
60855R100	MOLINA HEALTHCARE INC COMMON STOCK USD 0	1,100	60,470	59,686	
60871RAH3	MOLSON COORS BREWING CO CALLABLE NOTES F	11,882,000	11,905,299	11,077,945	
60871RAG5	MOLSON COORS BREWING CO CALLABLE NOTES F	2,080,000	2,106,728	1,966,245	
60871RAF7	MOLSON COORS BREWING CO CALLABLE NOTES F	5,500,000	5,505,060	5,356,505	
60871RAD2	MOLSON COORS BREWING CO CALLABLE NOTES F	4,350,000	4,561,398	4,547,273	
60871R209	MOLSON COORS BREWING CO COMMON STOCK USD	13,698	647,071	1,332,952	
60877T100	MOMENTA PHARMACEUTICALS INC COMMON STOCK	100	1,234	1,505	
60920LAC8	MONDELEZ INTERNATIONAL HOLDINGS NETHERLA	14,026,000	13,958,468	13,437,469	
60920LAA2	MONDELEZ INTERNATIONAL HOLDINGS NETHERLA	15,740,000	15,706,002	15,429,765	
609207105	MONDELEZ INTERNATIONAL INC COMMON STOCK	128,692	1,937,977	5,704,916	
B41LJ57	MONDI LTD COMMON STOCK ZAR 0	11,706	125,956	239,676	
B1CRLC4	MONDI PLC COMMON STOCK GBP 0.2	60,387	1,261,039	1,243,122	
B1ZBKY8	MONEYSUPERMARKET.COM GROUP PLC COMMON ST	191,076	604,989	694,379	
608994729	MONITOR CLIPPER EQUITY PARTNERS II/BULLS	100	3,819,440	14,693,805	
609992128	MONITOR CLIPPER EQUITY PARTNERS III	100	1,502,284	29,393,782	
3051726	MONKS INVESTMENT TRUST PLC/THE CLOSED-EN	32,610	176,934	228,269	
609720107	MONMOUTH REAL ESTATE INVESTMENT CORP REI	200	2,740	3,048	
610202BP7	MONONGAHELA POWER CO CALLABLE BOND FIXED	11,250,000	11,871,069	13,149,225	
610202BN2	MONONGAHELA POWER CO CALLABLE BOND FIXED	1,415,000	1,496,546	1,483,656	
61166WAU5	MONSANTO CO CALLABLE NOTES FIXED 3.375%	310,000	300,151	308,655	
61166WAJ0	MONSANTO CO CALLABLE NOTES FIXED 3.6% 15	440,000	439,358	369,274	
61166WAV3	MONSANTO CO CALLABLE NOTES FIXED 3.95% 1	3,320,000	3,024,639	2,913,101	
61166WAN1	MONSANTO CO CALLABLE NOTES FIXED 4.2% 15	3,470,000	3,443,673	3,335,572	
61166WAP6	MONSANTO CO CALLABLE NOTES FIXED 4.4% 15	3,195,000	2,982,927	3,087,968	
61166WAQ4	MONSANTO CO CALLABLE NOTES FIXED 4.7% 15	6,055,000	5,794,153	5,453,739	
61166WAC5	MONSANTO CO CALLABLE NOTES FIXED 5.5% 30	500,000	633,943	539,320	
61166WAG6	MONSANTO CO CALLABLE NOTES FIXED 5.875%	300,000	378,255	331,926	
61166W101	MONSANTO CO COMMON STOCK USD 0.01	68,612	3,532,751	7,218,669	
61174X109	MONSTER BEVERAGE CORP COMMON STOCK USD	33,966	401,255	1,506,052	
454351	MONTANARO EUROPEAN SMALLER COS TRUST PLC	223,849	1,537,246	1,692,786	
600756	MONTANARO UK SMALLER COMPANIES INVESTMEN	166,864	1,029,245	917,525	
615369AC9	MOODY'S CORP CALLABLE NOTES FIXED 4.875%	2,525,000	2,586,958	2,729,752	
615369AE5	MOODY'S CORP CALLABLE NOTES FIXED 5.25%	1,835,000	1,959,119	2,022,464	
615369105	MOODY'S CORP COMMON STOCK USD 0.01	43,828	3,233,156	4,131,666	
615394202	MOOG INC COMMON STOCK USD 1	4,500	207,414	295,560	
61744U106	MORGAN STANLEY ASIA-PACIFIC FUND INC CLO	96,073	1,514,435	1,301,693	

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	61766RAZ9	MORGAN STANLEY BANK OF AMERICA MERRILL L	1,264,000	1,301,814	1,238,907
	61766LBQ1	MORGAN STANLEY BANK OF AMERICA MERRILL L	184,000	189,517	188,017
	61764RBG2	MORGAN STANLEY BANK OF AMERICA MERRILL L	3,536,948	265,761	267,044
	61764RBF4	MORGAN STANLEY BANK OF AMERICA MERRILL L	1,091,000	1,165,146	1,097,303
	61762XAU1	MORGAN STANLEY BANK OF AMERICA MERRILL L	640,000	710,850	689,441
	61762MBW0	MORGAN STANLEY BANK OF AMERICA MERRILL L	424,000	469,961	453,013
	61762MBT7	MORGAN STANLEY BANK OF AMERICA MERRILL L	125,000	127,939	126,684
	61762MBS9	MORGAN STANLEY BANK OF AMERICA MERRILL L	63,439	63,430	63,423
	61762DAT8	MORGAN STANLEY BANK OF AMERICA MERRILL L	180,632	183,031	181,463
	61761AAA6	MORGAN STANLEY BANK OF AMERICA MERRILL L	2,643,200	155,385	141,982
	61691GAS9	MORGAN STANLEY BANK OF AMERICA MERRILL L	1,128,000	1,161,812	1,155,556
	61690GAF8	MORGAN STANLEY BANK OF AMERICA MERRILL L	238,000	264,508	252,105
	61690GAE1	MORGAN STANLEY BANK OF AMERICA MERRILL L	483,000	487,806	504,775
	61746BDX1	MORGAN STANLEY BOND FIXED 2.45% 01/FEB/2	515,000	514,655	518,538
	61761JVL0	MORGAN STANLEY CALLABLE BOND FIXED 3.7%	3,470,000	3,503,208	3,511,328
	61746BDZ6	MORGAN STANLEY CALLABLE BOND FIXED 3.875	19,125,000	19,886,899	19,318,354
	61761JQK8	MORGAN STANLEY CALLABLE BOND VARIABLE US	6,950,000	6,977,097	6,880,500
	61761J3R8	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	14,225,000	14,062,185	13,590,281
	61747YDY8	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	25,145,000	25,890,171	25,058,753
	61747YCJ2	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	8,345,000	9,405,222	9,045,646
	61747WAL3	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	1,765,000	2,014,121	1,955,867
	61746BEC6	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	11,030,000	11,030,000	11,152,543
	61746BDQ6	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	12,311,000	12,463,041	12,625,792
	61746BCY0	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	6,375,000	7,708,996	7,618,508
	617446V71	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	2,000,000	2,259,019	2,060,720
	6174468C6	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	4,225,000	4,309,956	4,330,710
	6174467P8	MORGAN STANLEY CALLABLE MEDIUM TERM NOTE	1,760,000	2,000,891	1,927,570
	61746BDJ2	MORGAN STANLEY CALLABLE NOTES FIXED 3.75	7,477,000	7,566,060	7,679,926
	61747WAF6	MORGAN STANLEY CALLABLE NOTES FIXED 5.75	530,000	527,774	588,077
	617446HD4	MORGAN STANLEY CALLABLE NOTES FIXED 7.25	7,830,000	9,720,298	10,609,024
	61763QAA9	MORGAN STANLEY CAP I TR 2014-CPT VAR 13J	1,338,000	1,378,059	1,382,898
	61755YAF1	MORGAN STANLEY CAPITAL I TRUST 2007-IQ15	259,582	207,554	263,678
	61756UAF8	MORGAN STANLEY CAPITAL I TRUST 2007-IQ16	1,250,000	1,297,070	1,287,419
	617459AB8	MORGAN STANLEY CAPITAL I TRUST 2011-C2 2	66,401	69,838	66,430
	61691ABM4	MORGAN STANLEY CAPITAL I TRUST 2015-UBS8	21,576,986	1,383,525	1,361,961
	61767FAY7	MORGAN STANLEY CAPITAL I TRUST 2016-UB11	226,000	232,772	220,391
	61767FAW1	MORGAN STANLEY CAPITAL I TRUST 2016-UB11	481,496	481,493	476,188
	61691EBB0	MORGAN STANLEY CAPITAL I TRUST 2016-UBS1	20,520,000	1,115,308	1,116,290
	61766CAA7	MORGAN STANLEY CAPITAL I TRUST 2016-UBS9	272,086	272,080	269,331
	617468103	MORGAN STANLEY CHINA A SHARE FUND INC CL	24,599	729,476	417,937
	617446448	MORGAN STANLEY COMMON STOCK USD 0.01	181,942	5,298,139	7,687,050
	61744H105	MORGAN STANLEY EMERGING MARKETS DEBT FUN	427,331	4,077,861	3,888,712
	61744G107	MORGAN STANLEY EMERGING MARKETS FUND INC	38,666	593,347	509,618
	61745P874	MORGAN STANLEY INCOME SECURITIES INC CLO	109,132	1,926,388	1,957,828
	61746BED4	MORGAN STANLEY MEDIUM TERM NOTE FIXED 2.	10,915,000	10,859,224	10,783,583
	61746BEA0	MORGAN STANLEY MEDIUM TERM NOTE FIXED 2.	5,808,000	5,836,523	5,744,867
	61746BDR4	MORGAN STANLEY MEDIUM TERM NOTE FIXED 2.	1,580,000	1,573,127	1,584,503
	61746BDM5	MORGAN STANLEY MEDIUM TERM NOTE FIXED 2.	1,800,000	1,800,126	1,818,918
	61761JZN2	MORGAN STANLEY MEDIUM TERM NOTE FIXED 3.	17,925,000	17,913,481	17,744,137
	61747YDU6	MORGAN STANLEY MEDIUM TERM NOTE FIXED 4.	60,000	62,007	61,591
	6174467Y9	MORGAN STANLEY MEDIUM TERM NOTE FIXED 4.	14,320,000	14,454,656	14,674,420
	6174467X1	MORGAN STANLEY MEDIUM TERM NOTE FIXED 5%	4,730,000	4,708,479	5,053,012
	61744YAD0	MORGAN STANLEY MEDIUM TERM NOTE FIXED 5.	800,000	911,888	832,664
	61748HYQ8	MORGAN STANLEY MORTGAGE LOAN TRUST 2006-	1,416,487	707,152	1,082,192
	61748HWT4	MORGAN STANLEY MORTGAGE LOAN TRUST 2006-	630,674	390,611	505,860
	61748HVVU2	MORGAN STANLEY MORTGAGE LOAN TRUST 2006-	490,721	409,479	421,902
	61756HBH2	MORGAN STANLEY MORTGAGE LOAN TRUST 2007-	761,655	655,082	625,540
	61754VAE1	MORGAN STANLEY MORTGAGE LOAN TRUST 2007-	733,777	737,060	492,135
	61751JAB7	MORGAN STANLEY MORTGAGE LOAN TRUST 2007-	987,292	837,757	977,971
	61761JVM8	MORGAN STANLEY NOTES FIXED 1.875% 05/JAN	2,475,000	2,472,327	2,478,688
	61747YDW2	MORGAN STANLEY NOTES FIXED 2.65% 27/JAN/	10,446,000	10,496,799	10,495,201
	61761JB32	MORGAN STANLEY NOTES FIXED 2.8% 16/JUN/2	3,730,000	3,770,953	3,760,511
	6174824M3	MORGAN STANLEY NOTES FIXED 4.875% 01/NOV	60,000	66,416	64,304
	617482V92	MORGAN STANLEY NOTES FIXED 6.375% 24/JUL	12,105,000	14,824,957	15,556,983
	6169901M9	MORGAN STANLEY RE V INTL/BULLSHEAD LLC	100	0	12,969,312
	616991113	MORGAN STANLEY RE VI INTL/1133 WEST LLC	100	219,816,555	30,285,470
	6602648	MORINAGA MILK INDUSTRY CO LTD COMMON STO	59,000	420,005	425,927
	617700109	MORNINGSTAR INC COMMON STOCK USD 0	1,620	102,645	119,167
	61911CAA1	MORTGAGE EQUITY CONVERSION ASSET TRUST 2	5,576,887	4,544,011	4,768,796
*	209426IB	Mortgage Option 101.10	-3,500,000	-9,844	-195
	209392IB	Mortgage Option 101.16	-13,000,000	-61,445	-355
	209463IB	Mortgage Option 101.18	-4,500,000	-11,953	-3,675
*	209520IB	Mortgage Option 101.31	-9,000,000	-21,797	-63,465
*	209462IB	Mortgage Option 103.00	-10,000,000	-31,250	-15,171
	209464IB	Mortgage Option 103.05	-15,000,000	-52,734	-16,320
*	209496IB	Mortgage Option 103.13	-3,500,000	-5,469	-2,040
*	209455IB	Mortgage Option 103.24	-9,500,000	-15,586	-2,031
	209454IB	Mortgage Option 103.24	-4,500,000	-7,734	-962
*	209513IB	Mortgage Option 3.00	-3,500,000	-12,168	-33,867
*	209508IB	Mortgage Option 3.00	-3,500,000	-14,355	-33,363
*	209518IB	Mortgage Option 3.50	-3,500,000	-8,750	-27,177
	209497IB	Mortgage Option 3.50	-4,500,000	-8,789	-2,570
*	209521IB	Mortgage Option 99.14	-3,500,000	-11,211	-23,133
*	209522IB	Mortgage Option 99.28	-1,500,000	-4,570	-6,978
	61945CAE3	MOSAIC CO/THE CALLABLE NOTES FIXED 5.625	1,880,000	1,836,737	1,811,756
	61945C103	MOSAIC CO/THE COMMON STOCK USD 0.01	83,183	2,599,460	2,439,757
	61974QAQ9	MOTEL 6 TRUST 2015-MTL 2015-MTL6 D 4.531	7,775,000	7,697,554	7,807,216
	6743990	MOTHERSON SUMI SYSTEMS LTD COMMON STOCK	112,416	540,898	540,713
	61980AAD5	MOTIVA ENTERPRISES LLC CALLABLE NOTES FI	1,780,000	2,308,483	2,151,913

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5996234	MOTOR OIL HELLAS CORINTH REFINERIES SA C	67,520	716,601	932,939	
620076BF5	MOTOROLA SOLUTIONS INC CALLABLE NOTES FI	1,000,000	980,540	1,001,170	
620076BE8	MOTOROLA SOLUTIONS INC CALLABLE NOTES FI	4,225,000	4,205,304	4,039,269	
620076307	MOTOROLA SOLUTIONS INC COMMON STOCK USD	62,534	4,019,936	5,183,443	
55336VAE0	MPLX LP CALLABLE BOND FIXED 4.5% 15/JUL/	19,380,000	19,776,675	19,682,716	
55336VAA8	MPLX LP CALLABLE NOTES FIXED 4% 15/FEB/2	515,000	513,146	500,585	
55336VAG5	MPLX LP CALLABLE NOTES FIXED 4.875% 01/D	5,415,000	5,584,038	5,575,771	
55336VAJ9	MPLX LP CALLABLE NOTES FIXED 4.875% 01/J	4,260,000	4,337,599	4,388,524	
55336VAC4	MPLX LP CALLABLE NOTES FIXED 5.5% 15/FEB	380,000	395,200	395,337	
55345K103	MRC GLOBAL INC COMMON STOCK USD 0.01	400	8,331	8,104	
B235JN1	MRV ENGENHARIA E PARTICIPACOES SA COMMON	167,300	539,837	562,344	
624997656	MS RE IV INTL/BULLSHEAD HLDGS.	100	0	1,691,096	
624998985	MS REF VII - SPECIAL GLOBAL	100	0	25,033,101	
B2Q4CS1	MS&AD INSURANCE GROUP HOLDINGS INC COMMO	193,688	4,853,857	6,018,136	
553530106	MSC INDUSTRIAL DIRECT CO INC COMMON STOC	11,508	701,540	1,063,224	
61691CAJ8	MSCG TRUST 2016-SNR 2016-SNR C 5.205% 15	1,127,000	1,126,956	1,126,301	
55354G100	MSCI INC COMMON STOCK USD 0.01	7,351	223,947	579,112	
553573106	MSG NETWORKS INC COMMON STOCK USD 0.01	394	6,661	8,471	
CAPJ7CS	MT BELV ETHAN 5DE NATURAL GAS 28/APR/201	-10	0	-15,492	
CAPG7CS	MT BELV ETHAN 5DE NATURAL GAS 28/FEB/201	-10	0	-15,753	
CAPZ7CS	MT BELV ETHAN 5DE NATURAL GAS 29/DEC/201	-10	0	-28,353	
CAPU7CS	MT BELV ETHAN 5DE NATURAL GAS 29/SEP/201	-10	0	-22,578	
CAPM7CS	MT BELV ETHAN 5DE NATURAL GAS 30/JUN/201	-10	0	-15,929	
CAPX7CS	MT BELV ETHAN 5DE NATURAL GAS 30/NOV/201	-10	0	-26,429	
CAPQ7CS	MT BELV ETHAN 5DE NATURAL GAS 31/AUG/201	-10	0	-20,306	
CAPF7CS	MT BELV ETHAN 5DE NATURAL GAS 31/JAN/201	-10	0	-12,431	
CAPN7CS	MT BELV ETHAN 5DE NATURAL GAS 31/JUL/201	-10	0	-18,029	
CAPH7CS	MT BELV ETHAN 5DE NATURAL GAS 31/MAR/201	-10	0	-15,753	
CAPK7CS	MT BELV ETHAN 5DE NATURAL GAS 31/MAY/201	-10	0	-15,492	
CAPV7CS	MT BELV ETHAN 5DE NATURAL GAS 31/OCT/201	-10	0	-24,506	
BAPJ7CO	MT BELV PROP 5 DE REFINED PRODUCTS 28/AP	10	0	73,774	
BAPG7CO	MT BELV PROP 5 DE REFINED PRODUCTS 28/FE	10	0	96,702	
BAPZ7CO	MT BELV PROP 5 DE REFINED PRODUCTS 29/DE	10	0	88,126	
BAPU7CO	MT BELV PROP 5 DE REFINED PRODUCTS 29/SE	10	0	81,124	
BAPM7CS	MT BELV PROP 5 DE REFINED PRODUCTS 30/JU	-81	0	-535,639	
BAPX7CO	MT BELV PROP 5 DE REFINED PRODUCTS 30/NO	10	0	85,849	
BAPQ7CO	MT BELV PROP 5 DE REFINED PRODUCTS 31/AU	10	0	77,802	
BAPF7CO	MT BELV PROP 5 DE REFINED PRODUCTS 31/JA	10	0	97,752	
BAPN7CO	MT BELV PROP 5 DE REFINED PRODUCTS 31/JU	10	0	75,702	
BAPK7CO	MT BELV PROP 5 DE REFINED PRODUCTS 31/MA	10	0	72,901	
BAPH7CO	MT BELV PROP 5 DE REFINED PRODUCTS 31/MA	101	0	710,895	
BAPV7CO	MT BELV PROP 5 DE REFINED PRODUCTS 31/OC	10	0	83,577	
6563206	MTN GROUP LTD COMMON STOCK ZAR 0.01	37,933	478,902	349,982	
6290054	MTR CORP LTD COMMON STOCK HKD 0	64,606	352,733	314,149	
5294121	MUENCHENER RUECKVERSICHERUNGS-GESELLSCHA	25,838	4,772,406	4,895,935	
90521APJ1	MUFG UNION BANK NA CALLABLE NOTES FIXED	3,164,000	3,221,397	3,198,583	
B3PRV4	MULTIPLUS SA COMMON STOCK BRL 0	38,100	362,986	395,668	
029163AD4	MUNICH RE AMERICA CORP CALLABLE NOTES FI	1,500,000	1,937,295	1,881,225	
626207YS7	MUNICIPAL ELEC AUTH GA PLT VOGTLE UNITS	2,770,000	2,786,288	3,140,155	
626207YF5	MUNICIPAL ELEC AUTH GA RFDG-PLT VOGTLE U	3,990,000	4,286,337	4,912,967	
6610403	MURATA MANUFACTURING CO LTD COMMON STOCK	8,378	1,041,102	1,124,154	
626717102	MURPHY OIL CORP COMMON STOCK USD 1	27,390	695,773	852,651	
626755102	MURPHY USA INC COMMON STOCK USD	2,984	38,477	183,426	
B0N3K50	MURRAY & ROBERTS HOLDINGS LTD COMMON STO	247,755	242,679	208,712	
62718QAA3	MURRAY STREET INVESTMENT TRUST I CALLABL	8,951,000	9,620,357	8,997,635	
B40MFF3	MUTHOOT FINANCE LTD COMMON STOCK INR 10	10,998	42,555	45,810	
628312AD2	MUTUAL OF OMAHA INSURANCE CO CALLABLE NO	3,080,000	3,080,000	2,999,150	
553829102	MVC CAPITAL INC COMMON STOCK USD 0.01	800	9,712	6,864	
628530BF3	MYLAN INC CALLABLE NOTES FIXED 2.55% 28/	2,375,000	2,378,708	2,369,894	
628530BC0	MYLAN INC CALLABLE NOTES FIXED 5.4% 29/N	8,690,000	8,624,045	8,137,751	
628530AV9	MYLAN INC/PA CALLABLE NOTES FIXED 3.125%	1,025,000	985,589	967,826	
62854AAE4	MYLAN NV CALLABLE NOTES FIXED 2.5% 07/JU	665,000	664,255	661,402	
62854AA2	MYLAN NV CALLABLE NOTES FIXED 3% 15/DEC/	380,000	379,521	382,747	
62854AAC8	MYLAN NV CALLABLE NOTES FIXED 3.15% 15/J	5,495,000	5,488,626	5,392,738	
62854AAB0	MYLAN NV CALLABLE NOTES FIXED 3.75% 15/D	1,952,000	1,963,263	1,971,091	
62854AAD6	MYLAN NV CALLABLE NOTES FIXED 3.95% 15/J	20,413,000	20,256,876	19,103,506	
62854AAG9	MYLAN NV CALLABLE NOTES FIXED 5.25% 15/J	3,245,000	3,332,338	2,992,831	
N59465109	MYLAN NV COMMON STOCK USD 0.0100	39,935	929,927	1,523,520	
62855J104	MYRIAD GENETICS INC COMMON STOCK USD 0.0	49,800	1,201,976	830,166	
62856RAC9	MYRIAD INTERNATIONAL HOLDINGS BV CALLABL	5,250,000	5,248,005	5,288,115	
62856RAB1	MYRIAD INTERNATIONAL HOLDINGS BV NOTES F	5,145,000	5,322,488	5,566,118	
629568BC9	NABORS INDUSTRIES INC CALLABLE NOTES FIX	1,298,000	1,298,000	1,351,543	
629568AQ9	NABORS INDUSTRIES INC CALLABLE NOTES FIX	365,000	415,044	378,688	
G6359F103	NABORS INDUSTRIES LTD COMMON STOCK USD 0	22,234	677,429	364,638	
6687571	NABTESCO CORP COMMON STOCK JPY	30,900	803,215	720,342	
6619864	NAGOYA RAILROAD CO LTD COMMON STOCK JPY	39,000	199,277	188,923	
6621580	NAN YA PLASTICS CORP COMMON STOCK TWD 10	120,000	264,932	265,103	
631103AG3	NASDAQ INC CALLABLE NOTES FIXED 3.85% 30	230,000	229,784	228,482	
631103108	NASDAQ INC COMMON STOCK USD 0.01	8,946	278,571	600,456	
6622691	NASPERS LTD COMMON STOCK ZAR 2	40,562	3,721,256	5,974,078	
63253WAJ0	NATIONAL AUSTRALIA BANK LTD BOND FIXED 2	770,000	768,237	765,881	
6624608	NATIONAL AUSTRALIA BANK LTD COMMON STOCK	149,769	3,171,748	3,326,092	
63254AAR9	NATIONAL AUSTRALIA BANK LTD/NEW YORK NOT	2,685,000	2,677,348	2,598,785	
2077303	NATIONAL BANK OF CANADA COMMON STOCK CAD	39,182	1,389,427	1,593,225	
621520	NATIONAL EXPRESS GROUP PLC COMMON STOCK	49,097	170,105	214,578	
636180BM2	NATIONAL FUEL GAS CO CALLABLE NOTES FIXE	1,500,000	1,495,290	1,557,900	
636180101	NATIONAL FUEL GAS CO COMMON STOCK USD 1	6,394	217,062	362,156	
636274300	NATIONAL GRID PLC ADR USD	122	8,931	7,116	
B08SNH3	NATIONAL GRID PLC COMMON STOCK GBP 11.39	345,283	4,389,180	4,059,991	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	636518102	NATIONAL INSTRUMENTS CORP COMMON STOCK U	8,457	172,378	260,645
	637071AK7	NATIONAL OILWELL VARCO INC CALLABLE NOTE	2,300,000	1,780,187	1,765,710
	637071AJ0	NATIONAL OILWELL VARCO INC CALLABLE NOTE	675,000	626,852	625,550
	637071101	NATIONAL OILWELL VARCO INC COMMON STOCK	56,239	1,363,756	2,105,588
	637417AH9	NATIONAL RETAIL PROPERTIES INC CALLABLE	2,710,000	2,703,469	2,762,710
	637417106	NATIONAL RETAIL PROPERTIES INC REIT USD	100,828	4,649,789	4,456,598
	63743HEN8	NATIONAL RURAL UTILITIES COOPERATIVE FIN	540,000	540,000	535,469
	637432NJ0	NATIONAL RURAL UTILITIES COOPERATIVE FIN	2,275,000	2,268,789	2,260,372
	637432NH4	NATIONAL RURAL UTILITIES COOPERATIVE FIN	890,000	888,941	889,155
	637432NG6	NATIONAL RURAL UTILITIES COOPERATIVE FIN	830,000	828,025	841,761
	637432NF8	NATIONAL RURAL UTILITIES COOPERATIVE FIN	825,000	823,334	820,067
	637432MS1	NATIONAL RURAL UTILITIES COOPERATIVE FIN	435,000	492,157	442,795
	637432MQ5	NATIONAL RURAL UTILITIES COOPERATIVE FIN	350,000	344,467	357,756
	637432CT0	NATIONAL RURAL UTILITIES COOPERATIVE FIN	3,081,000	4,554,011	4,368,642
	638517102	NATIONAL WESTERN LIFE GROUP INC COMMON S	240	53,036	74,592
	63859WAE9	NATIONWIDE BUILDING SOCIETY BOND FIXED 4	15,735,000	15,689,656	14,991,679
	638602BP6	NATIONWIDE BUILDING SOCIETY MEDIUM TERM	400,000	404,660	411,612
	63859UBD4	NATIONWIDE BUILDING SOCIETY MEDIUM TERM	1,000,000	998,220	986,710
	638612AL5	NATIONWIDE FINANCIAL SERVICES INC CALLAB	2,180,000	2,230,205	2,270,143
	638612AJ0	NATIONWIDE FINANCIAL SERVICES INC CALLAB	250,000	250,123	258,750
	638671AL1	NATIONWIDE MUTUAL INSURANCE CO CALLABLE	2,990,000	3,095,031	2,957,828
	638671AK3	NATIONWIDE MUTUAL INSURANCE CO CALLABLE	3,635,000	4,720,742	5,490,377
	638671AC1	NATIONWIDE MUTUAL INSURANCE CO CALLABLE	300,000	394,512	417,819
*	B1HDLJ2	NATIXIS SA COMMON STOCK EUR 11.2	251,519	1,431,708	1,421,953
	NGH7COS	NATURAL GAS FUTR NATURAL GAS 24/FEB/2017	-311	0	-1,222,948
*	NGH7COM	NATURAL GAS FUTR NATURAL GAS 24/FEB/2017	107	0	132,895
	NGK7COS	NATURAL GAS FUTR NATURAL GAS 26/APR/2017	-364	0	-1,555,800
	NGK18CO	NATURAL GAS FUTR NATURAL GAS 26/APR/2018	26	0	18,719
	NGH18CS	NATURAL GAS FUTR NATURAL GAS 26/FEB/2018	-490	0	-1,121,016
	NGM7COM	NATURAL GAS FUTR NATURAL GAS 26/MAY/2017	55	0	162,674
*	NGF8COM	NATURAL GAS FUTR NATURAL GAS 27/DEC/2017	792	0	1,647,232
	NGJ18CO	NATURAL GAS FUTR NATURAL GAS 27/MAR/2018	775	0	972,499
	NGV7COS	NATURAL GAS FUTR NATURAL GAS 27/SEP/2017	-631	0	-2,662,524
	NGN7COM	NATURAL GAS FUTR NATURAL GAS 28/JUN/2017	713	0	2,729,894
	NGJ7COS	NATURAL GAS FUTR NATURAL GAS 29/MAR/2017	-123	0	-266,928
	NRH7COS	NATURAL GAS SWAP NATURAL GAS 24/FEB/2017	-60	0	-118,650
	NRK18CO	NATURAL GAS SWAP NATURAL GAS 26/APR/2018	165	0	-30,634
	NRK19CO	NATURAL GAS SWAP NATURAL GAS 26/APR/2019	12	0	-4,643
	NRH18CS	NATURAL GAS SWAP NATURAL GAS 26/FEB/2018	-71	0	-60,768
	NRH19CO	NATURAL GAS SWAP NATURAL GAS 26/FEB/2019	12	0	7,447
	NRN19CO	NATURAL GAS SWAP NATURAL GAS 26/JUN/2019	12	0	-2,873
	NRZ19CO	NATURAL GAS SWAP NATURAL GAS 26/NOV/2019	12	0	4,297
	NRV18CO	NATURAL GAS SWAP NATURAL GAS 26/SEP/2018	165	0	-22,384
	NRV19CO	NATURAL GAS SWAP NATURAL GAS 26/SEP/2019	12	0	-1,733
	NRF8COM	NATURAL GAS SWAP NATURAL GAS 27/DEC/2017	165	0	330,304
	NRF19CO	NATURAL GAS SWAP NATURAL GAS 27/DEC/2018	12	0	10,537
	NRQ18CO	NATURAL GAS SWAP NATURAL GAS 27/JUL/2018	165	0	-19,497
	NRN18CO	NATURAL GAS SWAP NATURAL GAS 27/JUN/2018	165	0	-16,197
	NRJ18CO	NATURAL GAS SWAP NATURAL GAS 27/MAR/2018	560	0	160,710
	NRJ19CO	NATURAL GAS SWAP NATURAL GAS 27/MAR/2019	12	0	-3,803
	NRV7COS	NATURAL GAS SWAP NATURAL GAS 27/SEP/2017	-160	0	-383,874
	NRU19CO	NATURAL GAS SWAP NATURAL GAS 28/AUG/2019	12	0	-2,543
	NRZ18CO	NATURAL GAS SWAP NATURAL GAS 28/NOV/2018	165	0	47,329
	NRU18CO	NATURAL GAS SWAP NATURAL GAS 29/AUG/2018	164	0	-29,390
	NRG8COM	NATURAL GAS SWAP NATURAL GAS 29/JAN/2018	162	0	302,722
	NRG19CO	NATURAL GAS SWAP NATURAL GAS 29/JAN/2019	12	0	9,337
	NRQ19CO	NATURAL GAS SWAP NATURAL GAS 29/JUL/2019	12	0	-2,483
	NRJ7COM	NATURAL GAS SWAP NATURAL GAS 29/MAR/2017	60	0	157,344
	NRM18CO	NATURAL GAS SWAP NATURAL GAS 29/MAY/2018	164	0	-23,650
	NRM19CO	NATURAL GAS SWAP NATURAL GAS 29/MAY/2019	12	0	-3,803
	NRX18CO	NATURAL GAS SWAP NATURAL GAS 29/OCT/2018	164	0	-4,790
	NRX19CO	NATURAL GAS SWAP NATURAL GAS 29/OCT/2019	12	0	247
	6560393	NAVER CORP COMMON STOCK KRW 500	4,853	3,228,623	3,113,988
	78442FES3	NAVIENT CORP CALLABLE MEDIUM TERM NOTE F	420,000	401,100	434,700
	78442FEN4	NAVIENT CORP CALLABLE MEDIUM TERM NOTE F	1,990,000	2,075,238	2,022,338
	78442FEL8	NAVIENT CORP CALLABLE MEDIUM TERM NOTE F	1,000,000	1,112,500	1,058,750
	63938CAC2	NAVIENT CORP CALLABLE NOTES FIXED 5.875%	2,250,000	2,236,028	2,334,375
	63938C108	NAVIENT CORP COMMON STOCK USD 0.01	236,947	3,434,067	3,893,039
	63939NAB9	NAVIENT PRIVATE EDUCATION LOAN TRUST 201	872,000	879,712	905,172
	63939MAB1	NAVIENT PRIVATE EDUCATION LOAN TRUST 201	361,000	352,313	358,126
	63939EAC7	NAVIENT PRIVATE EDUCATION LOAN TRUST 201	192,000	190,080	193,831
	63939EAB9	NAVIENT PRIVATE EDUCATION LOAN TRUST 201	330,000	329,878	329,866
	63939CAC1	NAVIENT PRIVATE EDUCATION LOAN TRUST 201	413,836	407,573	416,972
	63938HAA5	NAVIENT PRIVATE EDUCATION LOAN TRUST 201	455,050	451,131	454,936
	63938EAC8	NAVIENT STUDENT LOAN TRUST 2014-1 2014-1	374,000	362,196	365,524
	63939DAB1	NAVIENT STUDENT LOAN TRUST 2014-8 2014-8	330,341	330,341	330,352
	63940GAA3	NAVIENT STUDENT LOAN TRUST 2016-7 2016-7	1,482,034	1,482,034	1,497,143
	638904102	NAVIGATORS GROUP INC/THE COMMON STOCK US	1,195	92,178	140,711
	639993104	NAZEM & CO IV (IBM) LTD PARTNERSHIP	6,000,000	3,374,609	0
	63946CAD0	NBCUNIVERSAL ENTERPRISE INC CALLABLE NOT	5,310,000	5,300,612	5,329,169
	63946BAG5	NBCUNIVERSAL MEDIA LLC CALLABLE NOTES FI	12,775,000	15,308,491	15,739,950
	63946BAF7	NBCUNIVERSAL MEDIA LLC CALLABLE NOTES FI	11,976,000	13,204,896	15,486,405
	63946BAE0	NBCUNIVERSAL MEDIA LLC CALLABLE NOTES FI	3,495,000	3,813,363	3,775,718
	63946BAJ9	NBCUNIVERSAL MEDIA LLC NOTES FIXED 4.45%	6,346,000	6,246,215	6,484,787
	628852204	NCI BUILDING SYSTEMS INC COMMON STOCK US	12,800	210,548	200,320
	62886HAN1	NCL CORP LTD CALLABLE NOTES FIXED 4.75%	2,180,000	2,180,000	2,178,692
	6.29E+112	NCR CORP COMMON STOCK USD 0.01	9,856	113,654	399,759
	6640400	NEC CORP COMMON STOCK JPY	909,486	2,560,479	2,417,290
	6628008	NEDBANK GROUP LTD COMMON STOCK ZAR 100	44,431	713,405	773,700

IBM
Personal Pension Plan
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at December 31, 2016

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Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
64031QBC4	NELNET STUDENT LOAN TRUST 2004-3 2004-3	649,902	632,356	636,927	
64031QBK6	NELNET STUDENT LOAN TRUST 2004-4 2004-4	557,279	549,268	547,533	
64031QBR1	NELNET STUDENT LOAN TRUST 2005-1 2005-1	1,111,838	1,088,423	1,080,448	
64031QBX8	NELNET STUDENT LOAN TRUST 2005-2 2005-2	639,986	623,238	621,438	
64031QCD1	NELNET STUDENT LOAN TRUST 2005-3 2005-3	655,872	643,164	637,756	
64031QCJ8	NELNET STUDENT LOAN TRUST 2005-4 2005-4	265,000	254,038	244,498	
86386YAA6	NELNET STUDENT LOAN TRUST 2010-4 2010-4A	1,130,712	1,146,613	1,127,696	
64033UAA8	NELNET STUDENT LOAN TRUST 2016-1 2016-1A	1,181,776	1,181,776	1,181,786	
BYQ32R1	NEMAK SAB DE CV COMMON STOCK MXN	141,600	160,348	127,293	
5617096	NEOPOST SA COMMON STOCK EUR 1	17,135	1,050,038	537,134	
B06YV46	NESTE OYJ COMMON STOCK EUR 0	28,658	871,644	1,103,286	
7123870	NESTLE SA COMMON STOCK CHF 0.1	295,701	20,895,709	21,253,464	
64107N206	NET 1 UEPS TECHNOLOGIES INC COMMON STOCK	7,500	82,837	86,100	
64110DAE4	NETAPP INC CALLABLE NOTES FIXED 3.375% 1	350,000	348,891	355,471	
64110D104	NETAPP INC COMMON STOCK USD 0.001	71,583	1,804,108	2,524,732	
64110W102	NETEASE INC ADR USD 0.0001	23,281	3,581,931	5,013,331	
64110L106	NETFLIX INC COMMON STOCK USD 0.001	33,784	852,186	4,182,459	
5784246	NETIA SA COMMON STOCK PLN 1	19,009	31,343	20,948	
64128XAC4	NEUBERGER BERMAN GROUP LLC / NEUBERGER B	670,000	706,850	692,613	
B045XT0	NEUCA SA COMMON STOCK PLN 1	96	8,793	8,969	
64125C109	NEUROCRINE BIOSCIENCES INC COMMON STOCK	16,836	780,424	651,553	
641423BZ0	NEVADA POWER CO CALLABLE NOTES FIXED 5.3	1,495,000	1,614,651	1,711,820	
641423CA4	NEVADA POWER CO CALLABLE NOTES FIXED 5.4	850,000	905,192	995,591	
641423BP2	NEVADA POWER CO CALLABLE NOTES FIXED 6.6	2,915,000	3,659,811	3,849,141	
641423BU1	NEVADA POWER CO CALLABLE NOTES FIXED 6.7	2,191,000	2,928,383	2,878,602	
641423BY3	NEVADA POWER CO CALLABLE NOTES FIXED 7.1	450,000	533,507	500,297	
643529AB6	NEW CENTURY ALTERNATIVE MORTGAGE LOAN TR	592,066	309,236	310,751	
6435EV108	NEW CENTURY FINANCIAL CORP MD COM STK US	15,033	753,337	0	
00209AAF3	NEW CINGULAR WIRELESS SERVICES INC CALLA	6,311,000	8,350,102	9,026,434	
644990210	NEW ENTERPRISE ASSOC III LP - IBM	1,015,087	995,532	0	
4630276	NEW EUROPE HOTELSORD DM0.01	30,000	212,903	0	
644465106	NEW GERMANY FUND COM STK USD0.001	143,609	2,211,752	1,876,970	
64577BKZ6	NEW JERSEY ECONOMIC DEV AUTH REV FOR ISS	3,165,000	3,165,000	3,204,499	
646139X83	NEW JERSEY ST TPK AUTH TPK REV SER A-BUI	9,851,000	11,940,601	13,762,044	
646139W35	NEW JERSEY ST TPK AUTH TPK REV SER F-BUI	855,000	901,198	1,231,653	
646136ZC4	NEW JERSEY ST TRANSN TR FD AUTH FED HWY	1,195,000	1,310,592	1,285,748	
646136XS5	NEW JERSEY ST TRANSN TR FD AUTH SER C-BU	11,740,000	12,825,971	12,238,246	
647581107	NEW ORIENTAL EDUCATION & TECHNOLOGY GROU	15,253	686,797	642,151	
64828T201	NEW RESIDENTIAL INVESTMENT CORP REIT USD	2,900	46,697	45,588	
TRY	NEW TURKISH LIRA		4,423	4,305	
6633767	NEW WORLD DEVELOPMENT CO LTD COMMON STOC	1,936,178	2,190,857	2,047,769	
649322AE4	NEW YORK AND PRESBYTERIAN HOSPITAL/THE C	6,159,000	6,109,240	5,823,150	
649322AD6	NEW YORK AND PRESBYTERIAN HOSPITAL/THE C	2,455,000	2,454,902	2,296,947	
649322AA2	NEW YORK AND PRESBYTERIAN HOSPITAL/THE C	2,020,000	2,020,000	1,960,551	
649445103	NEW YORK COMMUNITY BANCORP INC COMMON ST	166,593	2,538,458	2,650,495	
64952WCE1	NEW YORK LIFE GLOBAL FUNDING MEDIUM TERM	410,000	409,397	402,534	
64952WCB7	NEW YORK LIFE GLOBAL FUNDING NOTES FIXED	1,745,000	1,742,505	1,740,009	
64952WBT9	NEW YORK LIFE GLOBAL FUNDING NOTES FIXED	3,675,000	3,670,847	3,694,037	
64952GAF5	NEW YORK LIFE INSURANCE CO CALLABLE NOTE	4,332,000	5,570,482	5,697,923	
649902H48	NEW YORK ST DORM AUTH ST PERS INCOME TAX	535,000	635,104	644,322	
649840CQ6	NEW YORK STATE ELECTRIC & GAS CORP CALLA	1,960,000	1,945,927	1,951,474	
650111107	NEW YORK TIMES CO/THE COMMON STOCK USD 0	17,720	213,258	235,676	
NZD	NEW ZEALAND DOLLAR		3,579	3,584	
65120FAB0	NEWCREST FINANCE PTY LTD CALLABLE NOTES	2,325,000	2,343,577	2,201,054	
6637101	NEWCREST MINING LTD COMMON STOCK AUD 0	62,657	894,559	918,741	
651229106	NEWELL BRANDS INC	37,530	837,410	1,675,715	
651229AT3	NEWELL BRANDS INC CALLABLE NOTES FIXED 2	9,400,000	9,618,456	9,503,118	
651229AP1	NEWELL BRANDS INC CALLABLE NOTES FIXED 2	2,000,000	2,018,440	2,035,660	
651229AV8	NEWELL BRANDS INC CALLABLE NOTES FIXED 3	3,181,000	3,321,025	3,299,683	
651229AU0	NEWELL BRANDS INC CALLABLE NOTES FIXED 3	258,000	257,574	262,567	
651229AW6	NEWELL BRANDS INC CALLABLE NOTES FIXED 4	9,290,000	9,331,136	9,696,716	
651229BA3	NEWELL BRANDS INC CALLABLE NOTES FIXED 5	8,027,000	8,584,763	8,609,038	
651229AY2	NEWELL BRANDS INC CALLABLE NOTES FIXED 5	18,680,000	20,461,636	21,445,200	
651229AX4	NEWELL BRANDS INC CALLABLE NOTES FIXED 5	8,137,000	9,109,374	9,171,213	
651290AR9	NEWFIELD EXPLORATION CO CALLABLE NOTES F	1,400,000	1,400,000	1,427,440	
651290108	NEWFIELD EXPLORATION CO COMMON STOCK USD	16,313	452,092	660,677	
651587107	NEWMARKET CORP COMMON STOCK USD 0	607	125,615	257,271	
651639AP1	NEWMONT MINING CORP CALLABLE NOTES FIXED	11,010,000	10,130,646	10,330,133	
651639AM8	NEWMONT MINING CORP CALLABLE NOTES FIXED	4,804,000	4,867,362	5,285,169	
651639AE6	NEWMONT MINING CORP CALLABLE NOTES FIXED	2,985,000	2,901,173	3,193,860	
651639106	NEWMONT MINING CORP COMMON STOCK USD 1.6	139,415	4,398,242	4,749,869	
65249B208	NEWS CORP COMMON STOCK USD	636	7,313	7,505	
65249B109	NEWS CORP COMMON STOCK USD 0.01	103,106	1,068,557	1,181,595	
65251F105	NEWSTAR FINANCIAL INC COMMON STOCK USD 0	21,800	152,543	201,650	
BZ02MH1	NEX GROUP PLC 10.00000	162,821	960,904	934,529	
65334HAG7	NEXEN ENERGY ULC CALLABLE NOTES FIXED 6.	4,460,000	5,269,860	5,285,992	
B63QM77	NEXON CO LTD COMMON STOCK JPY	7,700	121,360	111,834	
6C9816B	NEXSTAR BROADCASTING GROUP, INC. TERM LO	550,909	549,532	556,504	
3208986	NEXT PLC COMMON STOCK GBP 10	6,397	390,580	393,879	
65339KAK6	NEXTERA ENERGY CAPITAL HOLDINGS INC CALL	11,107,000	11,152,773	11,247,615	
302570BD7	NEXTERA ENERGY CAPITAL HOLDINGS INC CALL	1,470,000	1,670,288	1,589,658	
65339KAJ9	NEXTERA ENERGY CAPITAL HOLDINGS INC NOTE	395,000	395,988	393,760	
65339F101	NEXTERA ENERGY INC COMMON STOCK USD 0.01	65,207	4,688,576	7,789,628	
65341KAA4	NEXTGEAR FLOORPLAN MASTER OWNER TRUST 20	5,960,000	5,984,911	5,959,992	
G6599A476	NEXXTDRIVE	100	0	120,603	
6619507	NGK INSULATORS LTD COMMON STOCK JPY	11,664	212,650	226,710	
6619604	NGK SPARK PLUG CO LTD COMMON STOCK JPY	26,960	506,682	600,524	
62912XAC8	NGPL PIPECO LLC CALLABLE NOTES FIXED 7.7	525,000	584,954	556,500	
6640767	NH FOODS LTD COMMON STOCK JPY	54,342	1,080,754	1,469,962	

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Personal Pension Plan
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	6619648	NHK SPRING CO LTD COMMON STOCK JPY	56,700	530,870	541,551
	B233LP1	NHPC LTD COMMON STOCK INR 10	1,348,694	539,923	525,607
	65364UAH9	NIAGARA MOHAWK POWER CORP CALLABLE BOND	790,000	789,992	803,967
	653656108	NICE LTD ADR USD	5,377	364,254	369,723
	6647133	NICE LTD COMMON STOCK ILS 1	12,684	814,992	865,451
	6638546	NICHICON CORP COMMON STOCK JPY	28,400	198,975	248,365
	6640682	NIDEC CORP COMMON STOCK JPY	10,374	992,431	897,002
	65409QBB7	NIELSEN FINANCE LLC / NIELSEN FINANCE CO	1,000,000	1,006,737	1,018,750
	7C0363B	NIELSEN FINANCE LLC TL B3 BL2250340	100,000	99,750	101,313
	G6518L108	NIELSEN HOLDINGS PLC COMMON STOCK USD 0.	30,034	1,127,419	1,259,926
	BSZLN15	NIEN MADE ENTERPRISE CO LTD COMMON STOCK	29,000	298,281	299,187
	654106AG8	NIKE INC CALLABLE NOTES FIXED 3.375% 01/	2,345,000	2,300,318	2,117,582
	654106AE3	NIKE INC CALLABLE NOTES FIXED 3.875% 01/	4,370,000	4,377,865	4,307,378
	654106I03	NIKE INC COMMON STOCK USD 1	106,027	899,068	5,389,352
	6642321	NIKON CORP COMMON STOCK JPY	70,501	1,057,470	1,098,301
	6151894	NILKAMAL LTD COMMON STOCK INR 10	3,776	54,402	70,282
	65440R101	NIMBLE STORAGE INC COMMON STOCK USD 0.00	300	2,281	2,376
	6639550	NINTENDO CO LTD COMMON STOCK JPY	5,820	1,290,278	1,224,528
	6640789	NIPPO CORP COMMON STOCK JPY	23,000	373,049	430,085
	6396800	NIPPON BUILDING FUND INC REIT JPY	63	352,088	349,475
	6642666	NIPPON ELECTRIC GLASS CO LTD COMMON STOC	187,193	871,720	1,014,327
	6642127	NIPPON EXPRESS CO LTD COMMON STOCK JPY	53,140	267,327	286,578
	654579AD3	NIPPON LIFE INSURANCE CO CALLABLE NOTES	1,275,000	1,275,000	1,314,844
	6640507	NIPPON PAINT HOLDINGS CO LTD COMMON STOC	6,500	220,401	177,498
	B98BC67	NIPPON PROLOGIS REIT INC REIT JPY	69	155,017	141,331
	6642525	NIPPON SIGNAL COMPANY LTD COMMON STOCK J	9,400	79,488	79,868
	6642569	NIPPON STEEL & SUMITOMO METAL CORP COMMO	72,709	1,521,090	1,625,176
	6640927	NIPPON SUISAN KAISHA LTD COMMON STOCK JP	232,800	846,663	1,121,735
	6641373	NIPPON TELEGRAPH & TELEPHONE CORP COMMON	261,085	8,098,516	10,995,409
	6644060	NIPPON TELEVISION HOLDINGS INC COMMON ST	71,340	1,238,446	1,297,925
	6643960	NIPPON YUSEN KK COMMON STOCK JPY	93,143	168,174	173,293
	65473QBD4	NISOURCE FINANCE CORP CALLABLE NOTES FIX	5,850,000	6,149,059	6,820,866
	65473QBC6	NISOURCE FINANCE CORP CALLABLE NOTES FIX	19,200,000	19,142,229	20,213,568
	65473QBB8	NISOURCE FINANCE CORP CALLABLE NOTES FIX	7,200,000	7,375,821	7,966,296
	65473QBA0	NISOURCE FINANCE CORP CALLABLE NOTES FIX	975,000	998,896	1,007,302
	65473QAZ6	NISOURCE FINANCE CORP CALLABLE NOTES FIX	4,323,000	4,966,037	5,030,762
	65473QAX1	NISOURCE FINANCE CORP CALLABLE NOTES FIX	3,390,000	3,871,759	4,024,737
	65473QAT0	NISOURCE FINANCE CORP CALLABLE NOTES FIX	1,690,000	2,003,717	1,844,720
	65473P105	NISOURCE INC COMMON STOCK USD 0.01	55,700	963,238	1,233,198
	65478WAD7	NISSAN AUTO RECEIVABLES 2016-C OWNER TRU	486,000	485,954	481,442
	65478WAB1	NISSAN AUTO RECEIVABLES 2016-C OWNER TRU	765,000	764,970	763,723
	6641588	NISSAN CHEMICAL INDUSTRIES LTD COMMON ST	16,300	529,674	545,732
	654740AJ8	NISSAN MOTOR ACCEPTANCE CORP CALLABLE ME	8,430,000	8,426,291	8,406,818
	6642860	NISSAN MOTOR CO LTD COMMON STOCK JPY	364,800	3,503,389	3,676,619
	6640961	NISSHIN SEIFUN GROUP INC COMMON STOCK JP	9,397	132,749	141,316
	6641760	NISSIN FOODS HOLDINGS CO LTD COMMON STOC	2,881	148,562	151,664
	6071475	NISSIN KOGYO CO LTD COMMON STOCK JPY	32,300	498,689	512,048
	6644800	NITORI HOLDINGS CO LTD COMMON STOCK JPY	7,460	811,968	854,509
	6641801	NITTO DENKO CORP COMMON STOCK JPY	13,118	889,689	1,008,748
	BNG8PQ9	NN GROUP NV COMMON STOCK EUR	95,928	2,978,174	3,257,492
	G65431101	NOBLE CORP PLC COMMON STOCK USD 0.01	19,597	299,298	116,014
	655044AD7	NOBLE ENERGY INC CALLABLE BOND FIXED 8.2	4,967,000	5,546,190	5,579,481
	655044AH8	NOBLE ENERGY INC CALLABLE NOTES FIXED 3.	657,000	655,825	662,006
	655044AF2	NOBLE ENERGY INC CALLABLE NOTES FIXED 4.	7,700,000	8,112,951	8,013,313
	655044AK1	NOBLE ENERGY INC CALLABLE NOTES FIXED 5.	411,000	416,583	428,788
	655044AJ4	NOBLE ENERGY INC CALLABLE NOTES FIXED 5.	3,988,000	3,792,149	3,999,765
	655044AG0	NOBLE ENERGY INC CALLABLE NOTES FIXED 5.	10,955,000	10,997,839	11,158,873
	655044AE5	NOBLE ENERGY INC CALLABLE NOTES FIXED 6%	10,338,000	10,899,348	11,478,488
	655044105	NOBLE ENERGY INC COMMON STOCK USD 0.01	56,972	1,466,070	2,168,354
	6642428	NOK CORP COMMON STOCK JPY	33,964	657,603	688,977
	654902AC9	NOKIA OYJ CALLABLE NOTES FIXED 6.625% 15	3,045,000	3,161,813	3,212,475
	5902941	NOKIA OYJ COMMON STOCK EUR 0	254,108	1,130,656	1,229,678
	B07G378	NOKIAN RENKAAT OYJ COMMON STOCK EUR 0	55,181	1,782,488	2,061,520
	65536PAD2	NOMURA ASSET ACCEPTANCE CORP ALTERNATIVE	615,901	333,621	270,750
	65535VRZ3	NOMURA ASSET ACCEPTANCE CORP ALTERNATIVE	3,561,652	1,952,032	2,811,347
	65535VPU6	NOMURA ASSET ACCEPTANCE CORP ALTERNATIVE	1,372,273	1,371,361	1,265,820
	6643108	NOMURA HOLDINGS INC COMMON STOCK JPY	643,757	3,560,793	3,803,429
	65535HAG4	NOMURA HOLDINGS INC MEDIUM TERM NOTE FIX	4,625,000	4,597,389	4,668,753
	B1CWJM5	NOMURA REAL ESTATE HOLDINGS INC COMMON S	22,312	364,689	380,300
	BYSJJF4	NOMURA REAL ESTATE MASTER FUND INC REIT	156	245,726	236,471
	6390921	NOMURA RESEARCH INSTITUTE LTD COMMON STO	8,567	260,030	261,487
	CNNOMTUS3	NOMURA SECURITIES INTERNATIONAL INC.	354,000	354,000	354,000
	209485IB	NON DELIVERABLE INTEREST RATE SWAP. NDIR	12,700,000	0	-19,892
	BRJ6JV1	NON-STANDARD FINANCE PLC COMMON STOCK GB	236,569	312,656	168,082
	65557DAL5	NORDEA BANK AB CALLABLE MEDIUM TERM NOTE	200,000	197,750	193,540
	5952496	NORDEA BANK AB COMMON STOCK SEK 1	132,920	1,402,011	1,482,954
	5380031	NORDEA BANK AB COMMON STOCK SEK 1	157,824	1,732,261	1,759,854
	65557CAR4	NORDEA BANK AB MEDIUM TERM NOTE FIXED 2.	200,000	199,524	200,055
	65557CAL7	NORDEA BANK AB MEDIUM TERM NOTE FIXED 2.	1,485,000	1,495,321	1,494,950
	65557FAD8	NORDEA BANK AB NOTES FIXED 4.25% 21/SEP/	2,170,000	2,345,817	2,260,467
	655663102	NORDSON CORP COMMON STOCK USD 0	4,637	239,734	519,576
	655664AH3	NORDSTROM INC BOND FIXED 6.95% 15/MAR/20	4,610,000	5,895,265	5,579,022
	655664AR1	NORDSTROM INC CALLABLE NOTES FIXED 5% 15	10,260,000	10,274,433	10,109,896
	655664100	NORDSTROM INC COMMON STOCK USD 0	9,824	188,866	470,864
	655844BH0	NORFOLK SOUTHERN CORP CALLABLE BOND FIXE	1,855,000	1,959,294	2,014,326
	655844AV0	NORFOLK SOUTHERN CORP CALLABLE BOND FIXE	3,977,000	4,277,497	4,650,187
	655844BR8	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	1,435,000	1,466,926	1,525,778
	655844BQ0	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	6,895,000	6,813,143	7,146,599
	655844BN7	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	6,395,000	6,530,806	6,961,085

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655844BM9	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	5,205,000	4,819,451	4,944,334	
655844BD9	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	4,637,000	5,731,634	5,424,455	
655844BC1	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	4,335,000	5,258,734	4,729,658	
655844AQ1	NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	1,735,000	2,399,089	2,330,851	
655844108	NORFOLK SOUTHERN CORP COMMON STOCK USD 1	23,623	692,464	2,552,938	
655855FA7	NORFOLK SOUTHERN RAILWAY CO BOND FIXED 9	4,872,000	5,686,789	6,022,182	
B11HK39	NORSK HYDRO ASA	67,096	312,827	321,929	
AAI9908Q5	NORSPAN LNG VIII BOND FIXED 4.66% 30/MAR	8,000,000	8,000,000	8,376,080	
66285WFB7	NORTH TEX TWY AUTH REV TAXABLE-BUILD AME	1,208,000	1,398,430	1,686,972	
665772CL1	NORTHERN STATES POWER CO/MN CALLABLE BON	285,000	284,171	289,768	
665772CJ6	NORTHERN STATES POWER CO/MN CALLABLE BON	4,395,000	4,471,267	4,032,720	
665772CE7	NORTHERN STATES POWER CO/MN CALLABLE BON	1,850,000	1,846,485	2,215,745	
665772CC1	NORTHERN STATES POWER CO/MN CALLABLE BON	1,690,000	2,408,233	2,194,296	
665772CB3	NORTHERN STATES POWER CO/MN CALLABLE BON	1,000,000	1,083,017	1,295,230	
665772CA5	NORTHERN STATES POWER CO/MN CALLABLE BON	1,310,000	1,441,681	1,518,636	
665859AQ7	NORTHERN TRUST CORP CALLABLE BOND VARIAB	2,200,000	2,200,000	2,092,750	
665859104	NORTHERN TRUST CORP COMMON STOCK USD 1.6	18,510	678,303	1,648,316	
665859AP9	NORTHERN TRUST CORP NOTES FIXED 3.95% 30	1,115,000	1,113,729	1,169,289	
B41H739	NORTHGATE PLC COMMON STOCK GBP 50	29,724	363,947	181,071	
666807BK7	NORTHROP GRUMMAN CORP CALLABLE NOTES FIX	2,415,000	2,411,112	2,389,401	
666807BJ0	NORTHROP GRUMMAN CORP CALLABLE NOTES FIX	2,515,000	2,519,666	2,385,779	
666807BH4	NORTHROP GRUMMAN CORP CALLABLE NOTES FIX	7,890,000	8,227,886	8,596,155	
666807BG6	NORTHROP GRUMMAN CORP CALLABLE NOTES FIX	580,000	576,880	591,281	
666807BF8	NORTHROP GRUMMAN CORP CALLABLE NOTES FIX	2,500,000	2,462,925	2,506,875	
666807BD3	NORTHROP GRUMMAN CORP CALLABLE NOTES FIX	1,100,000	1,280,916	1,225,389	
666807102	NORTHROP GRUMMAN CORP COMMON STOCK USD 1	13,322	509,807	3,098,431	
666807AW2	NORTHROP GRUMMAN SYSTEMS CORP CALLABLE N	520,000	694,466	723,008	
666807AQ5	NORTHROP GRUMMAN SYSTEMS CORP NOTES FIXE	500,000	615,655	664,790	
66705Y104	NORTHSTAR ASSET MANAGEMENT CORP INC COMM	14,748	261,631	220,040	
66704JBX5	NORTHSTAR EDUCATION FINANCE INC BOND 13/	800,000	663,250	697,301	
66706L101	NORTHSTAR REALTY EUROPE CORP REIT USD 0.	100	1,268	1,257	
66704R803	NORTHSTAR REALTY FINANCE CORP REIT EUR 0	14,318	419,526	216,918	
662352AB9	NORTHWELL HEALTHCARE INC CALLABLE NOTES	910,000	907,479	1,129,993	
667294BB7	NORTHWEST AIRLINES 2002-1 CLASS G-2 PASS	476,390	506,759	513,596	
667469AA8	NORTHWEST FLORIDA TIMBER FINANCE LLC NOT	1,295,000	1,275,355	1,133,125	
668131AA3	NORTHWESTERN MUTUAL LIFE INSURANCE CO/TH	107,000	120,883	131,759	
668444AC6	NORTHWESTERN UNIVERSITY CALLABLE BOND FI	4,075,000	4,175,188	4,617,831	
G66721104	NORWEGIAN CRUISE LINE HOLDINGS LTD COMMO	12,892	544,980	548,297	
66988AAE4	NOVANT HEALTH INC CALLABLE BOND FIXED 4.	390,000	390,000	384,205	
67000B104	NOVANTA INC COMMON STOCK USD 0	697	9,876	14,637	
7103065	NOVARTIS AG COMMON STOCK CHF 0.5	198,716	13,739,711	14,487,977	
66989HAK4	NOVARTIS CAPITAL CORP CALLABLE NOTES FIX	8,820,000	9,591,741	8,901,056	
66989HAH1	NOVARTIS CAPITAL CORP CALLABLE NOTES FIX	7,095,000	7,170,595	7,651,532	
66989HAF5	NOVARTIS CAPITAL CORP CALLABLE NOTES FIX	600,000	554,842	574,650	
66989HAE8	NOVARTIS CAPITAL CORP CALLABLE NOTES FIX	355,000	352,249	350,655	
66989HAD0	NOVARTIS CAPITAL CORP CALLABLE NOTES FIX	500,000	548,965	536,325	
66987XEW1	NOVASTAR MORTGAGE FUNDING TRUST SERIES 2	1,500,000	903,628	1,352,282	
670002104	NOVAVAX INC COMMON STOCK USD 0.01	7,497	10,977	9,446	
670001AA4	NOVELIS CORP CALLABLE NOTES FIXED 6.25%	255,000	255,000	270,300	
BQ13SG1	NOVO BANCO SA MEDIUM TERM NOTE FIXED 5%	250,000	323,810	179,310	
BFCB7V5	NOVO BANCO SA MEDIUM TERM NOTE FIXED 5%	600,000	777,057	430,343	
BHC8X90	NOVO NORDISK A/S COMMON STOCK DKK 0.2	204,927	7,289,000	7,404,005	
6.70E+208	NOVOLIPETSK STEEL PJSC GDR USD	44,621	628,924	828,091	
B798FW0	NOVOZYMES A/S COMMON STOCK DKK 2	30,962	1,276,399	1,069,465	
629377508	NRG ENERGY INC COMMON STOCK USD 0.01	27,129	518,792	332,602	
6641544	NSK LTD COMMON STOCK JPY	80,482	803,310	934,305	
67021CAJ6	NSTAR ELECTRIC CO CALLABLE BOND FIXED 4.	1,625,000	1,613,771	1,684,101	
6125639	NTT DATA CORP COMMON STOCK JPY	59,500	2,160,863	2,882,282	
6129277	NTT DOCOMO INC COMMON STOCK JPY	122,652	2,839,786	2,800,380	
B031SG1	NTT URBAN DEVELOPMENT CORP COMMON STOCK	105,000	1,017,577	926,351	
67018T105	NU SKIN ENTERPRISES INC COMMON STOCK USD	4,400	196,765	210,232	
67020Y100	NUANCE COMMUNICATIONS INC COMMON STOCK U	31,597	509,301	470,795	
670346AM7	NUCOR CORP CALLABLE NOTES FIXED 4% 01/AU	1,275,000	1,324,993	1,340,293	
670346AN5	NUCOR CORP CALLABLE NOTES FIXED 5.2% 01/	520,000	549,188	586,794	
670346AK1	NUCOR CORP CALLABLE NOTES FIXED 5.85% 01	400,000	466,808	421,420	
670346105	NUCOR CORP COMMON STOCK USD 0.4	25,387	495,885	1,511,034	
67071L106	NUVEEN AMT-FREE MUNICIPAL CREDIT INCOME	729,302	10,151,527	10,545,707	
67065F105	NUVEEN AMT-FREE QUALITY MUNICIPAL INCOME	690,388	9,530,409	9,209,776	
67074Q102	NUVEEN BUILD AMERICA BOND OPPORTUNITY FU	24,971	536,808	522,643	
67075G103	NUVEEN GLOBAL HIGH INCOME FUND CLOSED-EN	206,645	3,755,973	3,304,254	
670979103	NUVEEN MICHIGAN QUALITY MUNICIPAL INCOME	35,580	532,214	474,637	
67074R100	NUVEEN MORTGAGE OPPORTUNITY TERM FUND 2	84,224	1,941,334	1,950,628	
670735109	NUVEEN MORTGAGE OPPORTUNITY TERM FUND CL	38,746	881,051	932,616	
67070X101	NUVEEN MUNICIPAL CREDIT INCOME FUND CLOS	573,696	7,876,281	8,112,061	
67069Y102	NUVEEN NEW JERSEY QUALITY MUNICIPAL INCO	100,687	1,469,203	1,325,041	
67060P100	NUVEEN NORTH CAROLINA QUALITY MUNICIPAL	30,844	449,606	398,813	
670972108	NUVEEN PENNSYLVANIA QUALITY MUNICIPAL IN	61,959	863,488	810,424	
67066V101	NUVEEN QUALITY MUNICIPAL INCOME FUND CLO	639,628	8,817,937	8,929,208	
BH3WHY4	NVH KOREA INC COMMON STOCK KRW 500	8,096	28,895	25,874	
67066GAD6	NVIDIA CORP CALLABLE NOTES FIXED 2.2% 16	4,400,000	4,405,676	4,294,840	
67066GAE4	NVIDIA CORP CALLABLE NOTES FIXED 3.2% 16	3,970,000	3,961,901	3,816,996	
67066G104	NVIDIA CORP COMMON STOCK USD 0.001	40,698	412,732	4,344,105	
62944TAE5	NVR INC CALLABLE NOTES FIXED 3.95% 15/SE	2,710,000	2,767,831	2,761,897	
62944T105	NVR INC COMMON STOCK USD 0.01	280	119,841	467,320	
6568353	NWS HOLDINGS LTD COMMON STOCK HKD 1	68,806	120,079	112,175	
62947QAW8	NXP BV / NXP FUNDING LLC CALLABLE NOTES	4,420,000	4,455,750	4,475,250	
62947QAS7	NXP BV / NXP FUNDING LLC CALLABLE NOTES	420,000	420,000	434,700	
N6596X109	NXP SEMICONDUCTORS NV COMMON STOCK USD	12,875	1,245,581	1,261,879	
HOH7COM	NY HARB ULSD FUT REFINED PRODUCTS 28/FEB	48	0	340,061	

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*	HON7COM	NY HARB ULSD FUT REFINED PRODUCTS 30/JUN	24	0	225,846
	HOZ7COM	NY HARB ULSD FUT REFINED PRODUCTS 30/NOV	280	0	2,451,912
	HOU7COM	NY HARB ULSD FUT REFINED PRODUCTS 31/AUG	46	0	324,213
	HOJ7COS	NY HARB ULSD FUT REFINED PRODUCTS 31/MAR	-36	0	-270,396
	HOM7COS	NY HARB ULSD FUT REFINED PRODUCTS 31/MAY	-92	0	-672,501
	7C4413F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-19,253
	7C4402F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-23,562
	7C4401F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-21,344
	7C4400F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-17,161
	7C4398F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-14,893
	7C4397F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-12,802
	7C4395F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-10,332
	7C4371F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-7,333
	7C4370F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-5,544
	7C4360F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-3,125
	7C4346F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-882
	7C4344F	NY HARBOR ULSD APO CALL USD 2.00	-6	-10,063	-25
	TRJ7COS	NYH ULSD ASIA OP REFINED PRODUCTS 28/APR	-4	0	-4,057
	TRZ7COM	NYH ULSD ASIA OP REFINED PRODUCTS 29/DEC	4	0	7,434
	TRM7COS	NYH ULSD ASIA OP REFINED PRODUCTS 30/JUN	-4	0	-6,359
	TRX7COM	NYH ULSD ASIA OP REFINED PRODUCTS 30/NOV	4	0	6,208
	TRK7COS	NYH ULSD ASIA OP REFINED PRODUCTS 31/MAY	-4	0	-4,914
	TRV7COM	NYH ULSD ASIA OP REFINED PRODUCTS 31/OCT	4	0	5,200
	VPJ7COM	NYH ULSD CRCK SP REFINED PRODUCTS 28/APR	18	0	33,991
	VPZ7COS	NYH ULSD CRCK SP REFINED PRODUCTS 29/DEC	-18	0	-36,379
	VPM7COM	NYH ULSD CRCK SP REFINED PRODUCTS 30/JUN	18	0	33,271
	VPX7COS	NYH ULSD CRCK SP REFINED PRODUCTS 30/NOV	-18	0	-29,359
	VPK7COM	NYH ULSD CRCK SP REFINED PRODUCTS 31/MAY	18	0	31,291
	VPV7COS	NYH ULSD CRCK SP REFINED PRODUCTS 31/OCT	-18	0	-24,679
	588700F	NYM EPUT CRUDE OIL FUT 07/1 .10	-36	-1,697	-1,800
	588694F	NYM EPUT CRUDE OIL FUT 07/1 .10	18	2,031	1,980
	588701F	NYM EPUT CRUDE OIL FUT 08/1 .10	-36	-1,697	-1,800
	588695F	NYM EPUT CRUDE OIL FUT 08/1 .10	18	2,031	1,980
	588702F	NYM EPUT CRUDE OIL FUT 09/1 .10	-36	-1,697	-2,160
	588696F	NYM EPUT CRUDE OIL FUT 09/1 .10	18	2,031	1,800
	588703F	NYM EPUT CRUDE OIL FUT 10/1 .10	-36	-1,697	-2,160
	588697F	NYM EPUT CRUDE OIL FUT 10/1 .10	18	2,031	1,800
	588704F	NYM EPUT CRUDE OIL FUT 11/1 .10	-36	-1,697	-2,160
	588698F	NYM EPUT CRUDE OIL FUT 11/1 .10	18	2,031	1,980
	588705F	NYM EPUT CRUDE OIL FUT 12/1 .10	-36	-1,697	-2,160
	588699F	NYM EPUT CRUDE OIL FUT 12/1 .10	18	2,031	1,800
	62952EAB3	NYU HOSPITALS CENTER CALLABLE NOTES FIXE	2,170,000	2,209,378	2,526,596
	671992451	OAK INVESTMENT PARTNERS III L P-IBM	2,573,430	2,025,483	0
	6656407	OBAYASHI CORP COMMON STOCK JPY	344,379	2,206,312	3,298,078
	6136749	OBIC CO LTD COMMON STOCK JPY	7,900	383,021	346,114
	67083Q101	OCA INC COM STK USD0.01	10,687	107	107
	674599CM5	OCCIDENTAL PETROLEUM CORP CALLABLE NOTES	2,940,000	2,928,584	2,844,685
	674599CL7	OCCIDENTAL PETROLEUM CORP CALLABLE NOTES	5,290,000	5,279,680	5,152,672
	674599CJ2	OCCIDENTAL PETROLEUM CORP CALLABLE NOTES	6,695,000	6,746,410	6,813,100
	674599CH6	OCCIDENTAL PETROLEUM CORP CALLABLE NOTES	3,090,000	3,082,955	3,113,299
	674599CF0	OCCIDENTAL PETROLEUM CORP CALLABLE NOTES	6,160,000	6,022,997	6,409,542
	674599105	OCCIDENTAL PETROLEUM CORP COMMON STOCK U	61,082	1,255,015	4,350,871
	675232AA0	OCEANEERING INTERNATIONAL INC CALLABLE N	700,000	697,298	690,452
	675232102	OCEANEERING INTERNATIONAL INC COMMON STO	7,813	184,566	220,405
	675553AA9	OCHSNER CLINIC FOUNDATION CALLABLE BOND	1,070,000	1,070,000	1,237,327
	6656106	ODAKYU ELECTRIC RAILWAY CO LTD COMMON ST	12,525	244,347	248,384
	67576GAB3	ODEBRECHT OFFSHORE DRILLING FINANCE LTD	1,209,542	905,424	347,997
	B1577G7	OESTERREICHISCHE POST AG COMMON STOCK EU	14,051	428,030	472,619
	670837103	OGE ENERGY CORP COMMON STOCK USD 0.01	15,976	190,958	534,397
	677052AA0	OGLETHORPE POWER CORP CALLABLE BOND FIXE	5,833,000	6,391,190	6,544,218
	677050AK2	OGLETHORPE POWER CORP CALLABLE BOND FIXE	2,410,000	2,465,867	2,382,960
	677050AH9	OGLETHORPE POWER CORP CALLABLE BOND FIXE	2,695,000	2,752,773	2,839,290
	677050AG1	OGLETHORPE POWER CORP CALLABLE BOND FIXE	500,000	626,131	591,385
	677050AL0	OGLETHORPE POWER CORP CALLABLE OTHER SEC	8,325,000	8,407,772	7,958,783
	677347CF1	OHIO EDISON CO CALLABLE BOND FIXED 8.25%	1,740,000	2,486,172	2,478,352
	677347CE4	OHIO EDISON CO CALLABLE NOTES FIXED 6.87	500,000	632,150	634,775
	199575AV3	OHIO POWER CO CALLABLE NOTES FIXED 5.85%	2,700,000	3,314,358	3,129,786
	677415CF6	OHIO POWER CO CALLABLE NOTES FIXED 6.6%	4,070,000	4,034,239	5,003,414
	677632MV0	OHIO ST UNIV GEN RCPTS SER C-BUILD AMER	500,000	460,330	572,050
	677632PA3	OHIO ST UNIV GEN RCPTS TAXABLE-SER A 26/	427,000	440,523	415,001
	67766WQG0	OHIO ST WTR DEV AUTH WTR POLLUTN CTL REV	90,000	97,025	101,283
	6657604	OIL SEARCH LTD COMMON STOCK AUD 0	391,162	1,962,559	2,030,834
	670852102	OIS OPTICAL IMAGING SYSTEMS INC COM STK	13,200	825	22
	6657701	OJI HOLDINGS CORP COMMON STOCK JPY	315,310	1,343,485	1,286,814
	678858BN0	OKLAHOMA GAS & ELECTRIC CO CALLABLE NOTE	995,000	994,662	956,086
	678858BM2	OKLAHOMA GAS & ELECTRIC CO CALLABLE NOTE	1,400,000	1,438,940	1,560,345
	679580100	OLD DOMINION FREIGHT LINE INC COMMON STO	5,380	238,674	461,550
	B77J086	OLD MUTUAL PLC COMMON STOCK GBP 11.42857	217,074	519,748	556,036
	680223AK0	OLD REPUBLIC INTERNATIONAL CORP CALLABLE	12,820,000	12,691,400	12,194,640
	680223104	OLD REPUBLIC INTERNATIONAL CORP COMMON S	98,687	1,580,353	1,875,053
	6658801	OLYMPUS CORP COMMON STOCK JPY	12,128	400,982	420,089
	681992814	OLYMPUS GROWTH FUND III - IBM	100	1,331,574	0
	681994372	OLYMPUS GROWTH FUND IV LP - BULLSHEAD D	100	0	362,394
	89799U176	OLYMPUS GROWTH FUND V/1133 WEST LLC	100	9,641,473	100,320,676
	681996872	OLYMPUS GROWTH FUND VI LP	100	27,938,773	39,780,135
	681998548	OLYMPUS-1133 WEST CO-INVESTMENT FD LP	100	24,750,000	30,560,038
	681936BF6	OMEGA HEALTHCARE INVESTORS INC CALLABLE	550,000	521,131	527,824
	681936BD1	OMEGA HEALTHCARE INVESTORS INC CALLABLE	2,198,000	2,178,899	2,153,996
	681936BB5	OMEGA HEALTHCARE INVESTORS INC CALLABLE	800,000	788,640	810,624

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
681936100	OMEGA HEALTHCARE INVESTORS INC REIT USD	277,420	9,617,538	8,672,149	
AAI9937C1	OMEGA LEASING NO 9 LTD	5,000,000	5,000,000	4,859,900	
68210P107	OMEGA PROTEIN CORP COMMON STOCK USD 0.01	2,845	68,089	71,267	
68217FAA0	OMNICOM GROUP INC CALLABLE NOTES FIXED 3	3,017,000	3,014,194	2,985,834	
681919AZ9	OMNICOM GROUP INC CALLABLE NOTES FIXED 3	3,600,000	3,850,596	3,697,236	
682134AC5	OMNICOM GROUP INC CALLABLE NOTES FIXED 4	1,065,000	1,169,796	1,132,851	
681919106	OMNICOM GROUP INC COMMON STOCK USD 0.15	21,674	621,806	1,844,674	
6659428	OMRON CORP COMMON STOCK JPY	48,532	1,712,199	1,866,215	
682CVR998	OMTHERA PHARMACEUTICAL CVR	600	7,991	0	
4651459	OMV AG COMMON STOCK EUR 0	30,157	868,277	1,067,480	
QCF7IDX	OMXS30 IND FUTURE EQUITY INDEX 20/JAN/20	18	0	-3,110	
682189105	ON SEMICONDUCTOR CORP COMMON STOCK USD 0	66,687	564,956	850,926	
68233JBB9	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	1,175,000	1,162,038	1,126,543	
68233JAZ7	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	330,000	324,770	326,799	
68233JAT1	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	3,820,000	3,992,786	4,077,277	
68233JAS3	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	4,410,000	5,116,051	5,172,621	
68233JAR5	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	1,005,000	1,074,212	1,073,320	
68233JAH7	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	1,605,000	1,710,060	1,861,222	
68233JAF1	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	3,150,000	3,483,362	4,537,071	
68233DAT4	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	800,000	1,057,966	1,083,494	
68233DAR8	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	90,000	112,988	109,851	
68233DAP2	ONCOR ELECTRIC DELIVERY CO LLC CALLABLE	3,290,000	4,371,028	4,559,414	
68235PAF5	ONE GAS INC CALLABLE NOTES FIXED 4.658%	2,050,000	2,049,980	2,124,907	
68268DAA3	ONEMAIN FINANCIAL HOLDINGS LLC CALLABLE	1,100,000	1,140,000	1,146,750	
68268W103	ONEMAIN HOLDINGS INC COMMON STOCK USD 0.	6,774	258,523	149,976	
682680103	ONEOK INC COMMON STOCK USD 0.01	16,726	184,240	960,240	
68268NAJ2	ONEOK PARTNERS LP CALLABLE NOTES FIXED 3	7,760,000	7,579,642	7,792,359	
68268NAP8	ONEOK PARTNERS LP CALLABLE NOTES FIXED 4	2,303,000	2,305,207	2,470,244	
68268NAM5	ONEOK PARTNERS LP CALLABLE NOTES FIXED 6	2,950,000	2,915,359	3,279,958	
68268NAG8	ONEOK PARTNERS LP CALLABLE NOTES FIXED 6	4,838,000	4,764,441	5,321,316	
68268NAD5	ONEOK PARTNERS LP CALLABLE NOTES FIXED 6	6,958,000	7,690,216	8,090,623	
68268NAC7	ONEOK PARTNERS LP CALLABLE NOTES FIXED 6	3,250,000	3,871,308	3,686,833	
2659518	ONEX CORP COMMON STOCK CAD 0	9,647	622,665	657,353	
6660107	ONO PHARMACEUTICAL CO LTD COMMON STOCK J	18,250	446,629	399,862	
6483821	ONWARD HOLDINGS CO LTD COMMON STOCK JPY	83,000	733,297	582,818	
6158174	OOREDOO QSC COMMON STOCK QAR 10	10,630	298,001	297,175	
2260824	OPEN TEXT CORP COMMON STOCK CAD 0	29,994	1,840,807	1,854,593	
683745103	OPHTHOTEC CORP COMMON STOCK USD 0.001	3,300	17,126	15,939	
68375N103	OPKO HEALTH INC COMMON STOCK USD 0.01	25,846	338,116	240,368	
68389FHC1	OPTION ONE MORTGAGE LOAN TRUST 2005-2 20	2,000,000	365,541	1,612,362	
68389XBK0	ORACLE CORP CALLABLE NOTES FIXED 1.9% 15	10,970,000	10,958,654	10,719,774	
68389XQA8	ORACLE CORP CALLABLE NOTES FIXED 2.375%	1,290,000	1,325,359	1,307,273	
68389XBL8	ORACLE CORP CALLABLE NOTES FIXED 2.4% 15	12,920,000	12,942,524	12,516,896	
68389XBB0	ORACLE CORP CALLABLE NOTES FIXED 2.5% 15	3,765,000	3,751,747	3,738,871	
68389XAP0	ORACLE CORP CALLABLE NOTES FIXED 2.5% 15	2,970,000	2,819,405	2,938,221	
68389XBM6	ORACLE CORP CALLABLE NOTES FIXED 2.65% 1	19,183,000	19,146,544	18,208,695	
68389XBC8	ORACLE CORP CALLABLE NOTES FIXED 2.95% 1	1,565,000	1,603,734	1,534,138	
68389XBD6	ORACLE CORP CALLABLE NOTES FIXED 3.25% 1	6,670,000	6,628,313	6,499,915	
68389XBH7	ORACLE CORP CALLABLE NOTES FIXED 3.85% 1	12,069,000	12,066,608	11,778,378	
68389XBE4	ORACLE CORP CALLABLE NOTES FIXED 3.9% 15	15,939,000	15,745,447	15,720,795	
68389XBJ3	ORACLE CORP CALLABLE NOTES FIXED 4% 15/J	45,716,000	46,128,684	43,727,354	
68389XBF1	ORACLE CORP CALLABLE NOTES FIXED 4.125%	9,565,000	9,454,295	9,270,015	
68389XAV7	ORACLE CORP CALLABLE NOTES FIXED 4.3% 08	16,560,000	16,733,463	17,122,709	
68389XBG9	ORACLE CORP CALLABLE NOTES FIXED 4.375%	7,480,000	7,378,279	7,439,758	
68389XAW5	ORACLE CORP CALLABLE NOTES FIXED 4.5% 08	8,645,000	8,693,480	8,826,459	
68389XAM7	ORACLE CORP CALLABLE NOTES FIXED 5.375%	6,472,000	7,023,255	7,521,176	
68389XAH8	ORACLE CORP CALLABLE NOTES FIXED 6.125%	4,785,000	5,470,755	6,021,396	
68389X105	ORACLE CORP COMMON STOCK USD 0.01	319,893	5,390,283	12,299,886	
6141680	ORACLE CORP JAPAN COMMON STOCK JPY	1,750	90,570	88,374	
68389XAE5	ORACLE CORP NOTES FIXED 6.5% 15/APR/2038	8,172,000	10,596,453	10,677,453	
5552551	ORANGE POLSKA SA	197,181	271,754	260,275	
685218AC3	ORANGE SA CALLABLE NOTES FIXED 1.625% 03	2,500,000	2,499,060	2,460,250	
35177PAX5	ORANGE SA CALLABLE NOTES FIXED 5.375% 13	5,840,000	6,066,792	6,534,376	
685218AB5	ORANGE SA CALLABLE NOTES FIXED 5.5% 06/F	2,495,000	2,644,015	2,865,757	
5176177	ORANGE SA COMMON STOCK EUR 4	87,502	1,302,720	1,332,246	
35177PAL1	ORANGE SA VAR 01/MAR/2031	16,512,000	23,783,947	24,948,164	
BVYJ805	ORASCOM CONSTRUCTION LTD COMMON STOCK US	4,551	24,348	23,847	
68554V108	ORASURE TECHNOLOGIES INC COMMON STOCK US	13,920	94,061	122,218	
68557N103	ORBITAL ATK INC COMMON STOCK USD 0.01	4,668	233,008	409,524	
67103HAE7	O'REILLY AUTOMOTIVE INC CALLABLE NOTES F	270,000	269,546	268,234	
67103H107	O'REILLY AUTOMOTIVE INC COMMON STOCK USD	7,548	170,865	2,101,439	
B1S9HM6	ORGANIZACION SORIANA SAB DE CV COMMON ST	11,248	26,560	24,558	
6458001	ORICA LTD COMMON STOCK AUD 0	49,892	673,650	638,722	
6648891	ORIENTAL LAND CO LTD/JAPAN COMMON STOCK	9,516	535,753	538,969	
BYL6RK3	ORIFLAME HOLDING AG COMMON STOCK SEK 1.5	2,900	162,995	87,818	
6214861	ORIGIN ENERGY LTD COMMON STOCK AUD 0	159,638	658,889	761,764	
B17NY40	ORION OYJ COMMON STOCK EUR 0.65	30,078	1,064,792	1,341,641	
6661144	ORIX CORP COMMON STOCK JPY	167,930	2,530,096	2,626,178	
B1VQF42	ORKLA ASA COMMON STOCK NOK 1.25	202,603	1,765,966	1,840,626	
6661768	OSAKA GAS CO LTD COMMON STOCK JPY	83,236	338,526	320,855	
687999128	OSCCO II VENTURE CAP FD L P -IBM	885,039	957,956	0	
6655620	OSG CORP COMMON STOCK JPY	6,100	126,096	120,394	
688239201	OSHKOSH CORP COMMON STOCK USD 0.01	5,817	166,840	375,836	
B923935	OSRAM LICHT AG COMMON STOCK EUR	60,633	2,894,984	3,186,441	
7320154	OTP BANK PLC COMMON STOCK HUF 100	43,952	1,137,540	1,260,778	
6267058	OTSUKA CORP COMMON STOCK JPY	10,924	529,350	511,382	
B5LTM93	OTSUKA HOLDINGS CO LTD COMMON STOCK JPY	78,700	2,954,787	3,436,525	
69007J106	OUTFRONT MEDIA INC REIT USD 0.01	37,720	805,124	938,096	
B0F9V20	OVERSEA-CHINESE BANKING CORP LTD COMMON	136,160	831,069	840,692	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	690732102	OWENS & MINOR INC COMMON STOCK USD 2	1,800	61,108	63,522
	690742AE1	OWENS CORNING CALLABLE NOTES FIXED 4.2%	2,350,000	2,306,598	2,407,293
	690742AD3	OWENS CORNING CALLABLE NOTES FIXED 4.2%	1,500,000	1,485,420	1,557,810
	690742AB7	OWENS CORNING CALLABLE NOTES FIXED 7% 01	2,000,000	2,343,379	2,371,300
	690742AC5	OWENS CORNING CALLABLE NOTES FIXED 9% 15	1,205,000	1,499,719	1,373,953
	690742101	OWENS CORNING COMMON STOCK USD 0.001	22,045	914,990	1,136,640
	690768403	OWENS-ILLINOIS INC COMMON STOCK USD 0.01	12,891	264,582	224,432
	691215AE7	OWNIT MORTGAGE LOAN TRUST SERIES 2004-1	159,507	124,815	150,309
	691497416	OXFORD VENTURE II L P - IBM	505,081	139,446	0
	6397825	OZ MINERALS LTD COMMON STOCK AUD 0	51,994	199,063	297,049
	69371RN44	PACCAR FINANCIAL CORP MEDIUM TERM NOTE F	2,175,000	2,172,086	2,089,610
	69371RN36	PACCAR FINANCIAL CORP MEDIUM TERM NOTE F	2,415,000	2,415,000	2,376,746
	69371RL79	PACCAR FINANCIAL CORP MEDIUM TERM NOTE V	7,125,000	7,209,790	7,170,600
	693718108	PACCAR INC COMMON STOCK USD 1	27,351	375,164	1,747,729
	694032AT0	PACIFIC BELL TELEPHONE CO BOND FIXED 7.1	2,055,000	2,651,884	2,494,708
	694308HR1	PACIFIC GAS & ELECTRIC CO CALLABLE BOND	2,515,000	2,468,825	2,480,318
	694308HM2	PACIFIC GAS & ELECTRIC CO CALLABLE BOND	5,435,000	5,680,434	5,584,734
	694308GE1	PACIFIC GAS & ELECTRIC CO CALLABLE BOND	38,325,000	44,590,160	47,962,588
	694308HL4	PACIFIC GAS & ELECTRIC CO CALLABLE MEDIU	8,575,000	8,497,875	8,770,081
	694308HP5	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	1,315,000	1,311,502	1,288,319
	694308HH3	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	2,545,000	2,575,858	2,792,832
	694308HG5	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	2,500,000	2,506,333	2,604,050
	694308HF7	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	2,510,000	2,544,198	2,860,622
	694308HE0	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	955,000	994,193	1,007,563
	694308HD2	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	5,768,000	6,039,439	6,084,144
	694308HC4	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	485,000	503,091	494,807
	694308HA8	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	5,355,000	5,221,072	5,025,078
	694308GZ4	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	865,000	825,979	908,501
	694308GY7	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	1,965,000	1,880,566	2,049,868
	694308GS0	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	6,167,000	7,166,617	7,223,284
	694308GN1	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	1,450,000	1,787,949	1,609,689
	694308GM3	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	3,165,000	4,052,426	4,027,051
	694308GJ0	PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	2,095,000	2,250,991	2,555,837
	694475AA2	PACIFIC LIFE INSURANCE CO CALLABLE NOTES	2,275,000	3,205,389	3,360,448
	695114CP1	PACIFICORP CALLABLE BOND FIXED 2.95% 01/	1,670,000	1,671,386	1,700,711
	695114CN6	PACIFICORP CALLABLE BOND FIXED 4.1% 01/F	1,200,000	1,196,052	1,205,088
	695114CD8	PACIFICORP CALLABLE BOND FIXED 5.75% 01/	2,075,000	2,426,800	2,542,020
	695114CL0	PACIFICORP CALLABLE BOND FIXED 6% 15/JAN	2,115,000	2,704,230	2,691,147
	695114CB2	PACIFICORP CALLABLE BOND FIXED 6.1% 01/A	1,895,000	2,139,571	2,383,190
	695114CG1	PACIFICORP CALLABLE BOND FIXED 6.25% 15/	7,400,000	9,006,129	9,585,590
	695156AQ2	PACKAGING CORP OF AMERICA CALLABLE NOTES	3,750,000	3,740,063	3,972,113
	695156AP4	PACKAGING CORP OF AMERICA CALLABLE NOTES	3,300,000	3,235,023	3,403,422
	695156109	PACKAGING CORP OF AMERICA COMMON STOCK U	13,941	680,924	1,182,476
	695995142	PACVEN WALDEN VENTURES IV L P IBM	100	5,447,111	1,821,903
	695995167	PACVEN WALDEN VENTURES V LP IBM	100	4,613,610	8,460,825
	695263103	PACWEST BANCORP COMMON STOCK USD 0	12,036	498,446	655,240
	6362351	PADAENG INDUSTRY PCL NVDR THB 10	77,900	38,276	43,724
	BWXC0Z1	PADDY POWER BETFAIR PLC COMMON STOCK GBP	14,682	716,660	1,591,944
	BWT6H89	PADDY POWER BETFAIR PLC COMMON STOCK GBP	14,780	860,203	1,582,304
	3023231	PAGEGROUP PLC	48,622	296,837	234,612
	69562K100	PAIN THERAPEUTICS INC COMMON STOCK USD 0	37,500	223,834	21,383
	697435105	PALO ALTO NETWORKS INC COMMON STOCK USD	6,939	713,839	867,722
	697757102	PAN AM CORP COM STK USD0.25	340,100	0	44
	6572707	PANASONIC CORP COMMON STOCK JPY	93,783	883,524	956,444
	B44XTX8	PANDORA A/S COMMON STOCK DKK 1	5,075	586,122	665,191
	698354107	PANDORA MEDIA INC COMMON STOCK USD 0.000	17,587	274,775	229,334
	69840W108	PANERA BREAD CO COMMON STOCK USD 0.0001	1,771	122,750	363,214
	899992457	PANTHEON GLOBAL SECONDARY FUND V LP	100	7,951,104	10,370,990
	B1G4YH7	PAO SEVERSTAL GDR USD	91,423	706,538	1,389,630
	699149AB6	PARAGUAY GOVERNMENT INTERNATIONAL BOND B	290,000	290,000	294,350
	B5W8JJ8	PARAMOUNT BED HOLDINGS CO LTD COMMON STO	5,500	209,196	220,217
	69924R108	PARAMOUNT GROUP INC REIT USD 0.01	109,377	1,903,432	1,748,938
	B0CDLF8	PARGESA HOLDING SA COMMON STOCK CHF 20	24,440	1,629,142	1,594,305
	6667733	PARK24 CO LTD COMMON STOCK JPY	4,200	128,408	114,151
	70109HAN5	PARKER-HANNIFIN CORP CALLABLE MEDIUM TER	840,000	838,891	887,309
	701094104	PARKER-HANNIFIN CORP COMMON STOCK USD 0.	14,566	727,834	2,039,240
	701877102	PARSLEY ENERGY INC COMMON STOCK USD 0.01	13,069	345,097	460,552
	702991266	PARTECH INTL VENTURES V.LP/1133 WEST LLC	100	11,772,511	3,244,674
	B119QG0	PARTNERS GROUP HOLDING AG COMMON STOCK C	787	398,731	369,554
	70213HAC2	PARTNERS HEALTHCARE SYSTEM INC CALLABLE	500,000	500,000	484,555
	70338P100	PATTERN ENERGY GROUP INC COMMON STOCK US	200	3,774	3,798
	703395103	PATTERSON COS INC COMMON STOCK USD 0.01	6,710	138,344	275,311
	703481101	PATTERSON-UTI ENERGY INC COMMON STOCK US	11,439	136,767	307,938
	704326107	PAYCHEX INC COMMON STOCK USD 0.01	42,970	1,216,835	2,616,014
	70432V102	PAYCOM SOFTWARE INC COMMON STOCK USD 0.0	8,230	255,254	374,383
	70450Y103	PAYPAL HOLDINGS INC COMMON STOCK USD 0.0	123,937	2,573,979	4,891,793
	69318G106	PBF ENERGY INC COMMON STOCK USD 0.001	7,788	213,552	217,129
	69318J100	PC CONNECTION INC COMMON STOCK USD 0.01	3,780	78,504	106,180
	6574071	PCCW LTD COMMON STOCK HKD 0	185,414	108,289	100,442
	69329Y104	PDL BIOPHARMA INC COMMON STOCK USD 0.01	2,300	5,417	4,876
	705010AB2	PEARSON DOLLAR FINANCE TWO PLC NOTES FIX	2,000,000	2,312,120	2,100,560
	70501VAA6	PEARSON FUNDING FIVE PLC CALLABLE NOTES	600,000	599,238	561,084
	705015105	PEARSON PLC ADR USD	37,434	377,763	373,966
	677608	PEARSON PLC COMMON STOCK GBP 25	109,655	1,217,231	1,109,028
	693304AU1	PECO ENERGY CO CALLABLE BOND FIXED 1.7%	1,415,000	1,414,604	1,373,682
	693304AT4	PECO ENERGY CO CALLABLE BOND FIXED 3.15%	495,000	492,971	494,559
	693304AS6	PECO ENERGY CO CALLABLE BOND FIXED 4.15%	1,145,000	1,141,073	1,169,354
	693304AR8	PECO ENERGY CO CALLABLE BOND FIXED 4.8%	635,000	632,670	709,124
	2678739	PEGASUS GOLD INC COM NPV(NY REGISTER)	34,778	4	4

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
B4PT2P8	PEMBINA PIPELINE CORP COMMON STOCK CAD 0	44,359	1,253,617	1,387,945	
B67M828	PENGROWTH ENERGY CORP COMMON STOCK CAD 0	1	1	1	
708696BV0	PENNSYLVANIA ELECTRIC CO CALLABLE NOTES	9,600,000	9,961,228	11,021,376	
709223A27	PENNSYLVANIA ST TPK COMMN TPK REV SER B-	1,000,000	1,054,030	1,201,250	
70959W103	PENSKE AUTOMOTIVE GROUP INC COMMON STOCK	3,114	151,889	161,430	
709599AU8	PENSKE TRUCK LEASING CO LP / PTL FINANCE	440,000	441,804	444,880	
709599AS3	PENSKE TRUCK LEASING CO LP / PTL FINANCE	345,000	345,105	347,919	
709599AR5	PENSKE TRUCK LEASING CO LP / PTL FINANCE	265,000	265,106	267,896	
709599AQ7	PENSKE TRUCK LEASING CO LP / PTL FINANCE	3,025,000	3,013,569	3,032,321	
709599AH7	PENSKE TRUCK LEASING CO LP / PTL FINANCE	2,945,000	3,209,933	3,160,309	
709599AE4	PENSKE TRUCK LEASING CO LP / PTL FINANCE	4,715,000	5,025,178	4,751,683	
709629AP4	PENTAIR FINANCE SA CALLABLE NOTES FIXED	2,240,000	2,232,922	2,297,590	
709629AL3	PENTAIR FINANCE SA CALLABLE NOTES FIXED	2,300,000	2,324,242	2,252,459	
709629AF6	PENTAIR FINANCE SA CALLABLE NOTES FIXED	2,475,000	2,504,972	2,468,095	
G7500T104	PENTAIR PLC COMMON STOCK USD 0.01	14,872	401,484	833,873	
6680804	PENTA-OCEAN CONSTRUCTION CO LTD COMMON S	28,800	161,466	139,512	
B8RZJZ1	PEOPLE'S INSURANCE CO GROUP OF CHINA LTD	2,174,000	1,067,795	858,031	
71270QEB8	PEOPLE'S UNITED BANK NA CALLABLE BOND FI	1,280,000	1,280,346	1,260,864	
712704105	PEOPLE'S UNITED FINANCIAL INC COMMON STO	25,157	343,202	487,404	
713409AC4	PEPSI BOTTLING GROUP INC/THE CALLABLE NO	3,343,000	4,594,512	4,570,516	
713448CQ9	PEPSICO INC CALLABLE MEDIUM TERM NOTE FI	3,310,000	3,407,666	3,418,336	
713448DE5	PEPSICO INC CALLABLE NOTES FIXED 1.5% 22	1,305,000	1,319,420	1,300,433	
713448DL9	PEPSICO INC CALLABLE NOTES FIXED 1.7% 06	2,455,000	2,451,710	2,384,983	
713448DP0	PEPSICO INC CALLABLE NOTES FIXED 3.45% 0	9,965,000	9,854,027	9,078,015	
713448CM8	PEPSICO INC CALLABLE NOTES FIXED 3.6% 01	780,000	778,635	813,524	
713448CC0	PEPSICO INC CALLABLE NOTES FIXED 3.6% 13	2,990,000	2,778,630	2,787,517	
713448DD7	PEPSICO INC CALLABLE NOTES FIXED 4.45% 1	11,255,000	11,791,671	11,987,475	
713448CZ9	PEPSICO INC CALLABLE NOTES FIXED 4.6% 17	720,000	717,444	784,699	
713448BS6	PEPSICO INC CALLABLE NOTES FIXED 4.875%	5,760,000	6,390,240	6,380,928	
713448BP2	PEPSICO INC CALLABLE NOTES FIXED 5.5% 15	950,000	1,090,524	1,140,675	
713448108	PEPSICO INC COMMON STOCK USD 0.017	193,784	11,447,657	20,275,620	
713448BZ0	PEPSICO INC NOTES FIXED 4% 05/MAR/2042 U	1,200,000	1,164,085	1,191,048	
B1FHZ74	PEREGRINE HOLDINGS LTD COMMON STOCK ZAR	108,105	223,391	237,238	
613990217	PEREGRINE VENTURES II - IBM	814,155	146,324	0	
714046109	PERKINELMER INC COMMON STOCK USD 1	8,690	240,229	453,184	
713990562	PERMIRA EUROPE III/BULLSHEAD I	100	0	1,451,804	
714992542	PERMIRA EUROPE IV SECONDARY/1133 WEST	100	-466,914	2,186,222	
713997781	PERMIRA IV/1133 WEST LLC	100	-5,336,155	24,999,430	
71499Y716	PERMIRA V LP	100	41,231,728	43,688,561	
714264AM0	PERNOD RICARD SA CALLABLE NOTES FIXED 3.	1,200,000	1,193,304	1,151,436	
4682329	PERNOD RICARD SA COMMON STOCK EUR 1.55	9,353	1,027,688	1,015,610	
714264AK4	PERNOD RICARD SA NOTES FIXED 5.5% 15/JAN	1,692,000	1,760,755	1,862,824	
714294AF2	PERRIGO CO PLC CALLABLE NOTES FIXED 2.3%	3,025,000	3,020,735	3,020,977	
714294AD7	PERRIGO CO PLC CALLABLE NOTES FIXED 4% 1	4,690,000	4,780,216	4,649,291	
714294AH8	PERRIGO CO PLC CALLABLE NOTES FIXED 5.3%	7,508,000	7,671,993	7,261,813	
G97822103	PERRIGO CO PLC COMMON STOCK USD 0.001	23,382	2,054,325	1,946,084	
714295AC6	PERRIGO FINANCE UNLIMITED CO CALLABLE BO	2,220,000	2,223,395	2,173,202	
714295AB8	PERRIGO FINANCE UNLIMITED CO CALLABLE BO	1,048,000	1,047,340	1,056,405	
714295AA0	PERRIGO FINANCE UNLIMITED CO CALLABLE BO	6,060,000	6,118,264	5,566,231	
71429MAB1	PERRIGO FINANCE UNLIMITED CO CALLABLE NO	2,065,000	2,119,057	2,067,106	
71429MAA3	PERRIGO FINANCE UNLIMITED CO CALLABLE NO	3,223,000	3,220,035	3,256,616	
89499SP29	PERRY PARTNERS INTERNATIONAL	87,654	56,851,233	69,042,602	
682538	PERSIMMON PLC COMMON STOCK GBP 10	65,496	1,742,620	1,437,319	
B03MWW0	PETKIM PETROKIMYA HOLDING AS COMMON STOC	208,431	321,857	219,239	
71647NAQ2	PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	1,000,000	999,810	1,078,750	
71647NAP4	PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	3,900,000	4,044,717	4,202,250	
71647NAM1	PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	3,050,000	3,043,046	2,925,560	
71647NAK5	PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	2,975,000	2,964,515	2,626,033	
71647NAH2	PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	1,800,000	1,466,711	1,779,660	
71647NAA7	PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	2,200,000	1,825,560	1,626,240	
71645WAR2	PETROBRAS INTERNATIONAL FINANCE CO NOTES	6,325,000	6,875,381	6,185,850	
71644EAG7	PETRO-CANADA CALLABLE NOTES FIXED 5.95%	1,191,000	1,148,314	1,401,494	
71644EAJ1	PETRO-CANADA CALLABLE NOTES FIXED 6.8% 1	11,620,000	14,389,974	15,068,467	
6226576	PETROCHINA CO LTD COMMON STOCK HKD 1	812,000	549,324	605,349	
716473AC7	PETROFAC LTD CALLABLE NOTES FIXED 3.4% 1	2,410,000	2,057,538	2,439,209	
B0H2K53	PETROFAC LTD COMMON STOCK GBP 0.02	90,756	1,143,727	974,520	
71654V408	PETROLEO BRASILEIRO SA ADR USD	171,331	1,398,726	1,732,156	
71654V101	PETROLEO BRASILEIRO SA ADR USD	140,857	1,047,125	1,240,950	
2684532	PETROLEO BRASILEIRO SA PREFERENCE BRL 0	839,600	4,371,820	3,835,946	
71654QBT8	PETROLEOS MEXICANOS CALLABLE BOND FIXED	522,750	522,750	522,980	
71654QBE1	PETROLEOS MEXICANOS CALLABLE BOND FIXED	1,250,000	1,273,688	1,040,250	
BWWD237	PETROLEOS MEXICANOS CALLABLE MEDIUM TERM	200,000	206,253	184,950	
71656LBM2	PETROLEOS MEXICANOS CALLABLE MEDIUM TERM	4,050,000	4,032,964	3,826,440	
71656LBL4	PETROLEOS MEXICANOS CALLABLE MEDIUM TERM	4,395,000	4,358,531	4,275,456	
71656LBK6	PETROLEOS MEXICANOS CALLABLE MEDIUM TERM	1,095,000	1,092,974	1,155,225	
71656LBQ3	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	12,115,000	12,021,662	12,508,738	
71656LBP5	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	2,817,000	2,801,394	2,884,552	
71654QBY7	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	954,000	954,000	955,297	
71654QBX9	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	2,887,000	2,801,298	2,396,210	
71654QBR2	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	13,455,000	13,908,636	12,244,050	
71654QBH4	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	1,400,000	1,405,250	1,357,454	
71654QBB7	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	300,000	305,175	300,900	
71656LBN0	PETROLEOS MEXICANOS NOTES VARIABLE 11/MA	570,000	570,000	587,813	
6321590	PETRON MALAYSIA REFINING & MARKETING BHD	19,000	25,087	17,577	
B00KT68	PETRONET LNG LTD COMMON STOCK INR 10	79,278	476,676	429,213	
BJ62K68	PETS AT HOME GROUP PLC COMMON STOCK GBP	180,872	743,771	534,152	
04021LAA8	PETSMART INC CALLABLE NOTES FIXED 7.125%	430,000	437,753	438,600	
7103526	PEUGEOT SA COMMON STOCK EUR 1	22,254	331,195	363,705	
B6775F5	PEYTO EXPLORATION & DEVELOPMENT CORP COM	48,088	1,239,276	1,190,860	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
006ESC917	PFD ADDELPHIA 13.0%<A>	63,730	1,528,458		0
717081DZ3	PFIZER INC CALLABLE NOTES FIXED 2.2% 15/	1,875,000	1,873,294		1,870,931
717081EA7	PFIZER INC CALLABLE NOTES FIXED 3% 15/DE	5,550,000	5,502,714		5,478,960
717081EC3	PFIZER INC CALLABLE NOTES FIXED 4% 15/DE	4,165,000	4,144,885		4,267,251
717081ED1	PFIZER INC CALLABLE NOTES FIXED 4.125% 1	22,622,000	22,573,474		23,012,456
717081DE0	PFIZER INC CALLABLE NOTES FIXED 4.3% 15/	4,854,000	4,724,275		5,024,764
717081DK6	PFIZER INC CALLABLE NOTES FIXED 4.4% 15/	16,224,000	17,242,230		17,136,762
717081DT7	PFIZER INC CALLABLE NOTES FIXED 5.6% 15/	1,055,000	1,292,817		1,273,121
717081CY7	PFIZER INC CALLABLE NOTES FIXED 7.2% 15/	8,435,000	11,460,592		12,184,273
717081103	PFIZER INC COMMON STOCK USD 0.05	672,645	17,321,635		21,847,510
69331CAF5	PG&E CORP CALLABLE NOTES FIXED 2.4% 01/M	2,855,000	2,864,312		2,865,849
69331C108	PG&E CORP COMMON STOCK USD 0	44,722	1,553,105		2,717,756
B544PW9	PGE POLSKA GRUPA ENERGETYCZNA SA COMMON	42,089	237,990		105,366
71713UAW2	PHARMACIA CORP NOTES FIXED 6.6% 01/DEC/2	500,000	581,985		637,820
69337BAH7	PHH ALTERNATIVE MORTGAGE TRUST SERIES 20	226,146	200,883		196,101
693320AS2	PHH CORP CALLABLE NOTES FIXED 6.375% 15/	700,000	663,250		700,000
717993943	PHIDREW VENTURES FIFTH FUND L P LP SHARES	100	15,490,556		0
717992135	PHILDREW THIRD FD L P - IBM	1,002,634	325,579		0
718998255	PHILDREW VENTURES FOURTH FUND LP IBM	2,320	10,243,159		74,100
718172BU2	PHILIP MORRIS INTERNATIONAL INC CALLABLE	1,535,000	1,519,681		1,463,607
718172BS7	PHILIP MORRIS INTERNATIONAL INC CALLABLE	3,285,000	3,283,599		3,214,997
718172109	PHILIP MORRIS INTERNATIONAL INC COMMON S	187,658	8,361,330		17,168,830
718172BM0	PHILIP MORRIS INTERNATIONAL INC NOTES FI	4,025,000	4,118,305		4,052,290
718172BL2	PHILIP MORRIS INTERNATIONAL INC NOTES FI	4,115,000	4,272,041		4,063,192
718172BD0	PHILIP MORRIS INTERNATIONAL INC NOTES FI	15,850,000	16,101,645		17,048,736
718172AW9	PHILIP MORRIS INTERNATIONAL INC NOTES FI	19,723,000	18,849,499		19,085,750
718172AU3	PHILIP MORRIS INTERNATIONAL INC NOTES FI	13,685,000	13,133,861		12,706,796
718172AP4	PHILIP MORRIS INTERNATIONAL INC NOTES FI	2,690,000	2,770,779		2,744,957
718172AM1	PHILIP MORRIS INTERNATIONAL INC NOTES FI	5,190,000	5,220,377		5,232,558
718172AL3	PHILIP MORRIS INTERNATIONAL INC NOTES FI	610,000	601,802		618,180
718172AC3	PHILIP MORRIS INTERNATIONAL INC NOTES FI	8,470,000	10,302,559		10,860,573
718546AJ3	PHILLIPS 66 CALLABLE NOTES FIXED 2.95% 0	1,750,000	1,828,908		1,759,765
718546AC8	PHILLIPS 66 CALLABLE NOTES FIXED 4.3% 01	1,310,000	1,410,254		1,406,573
718546AK0	PHILLIPS 66 CALLABLE NOTES FIXED 4.65% 1	4,330,000	4,395,223		4,507,184
718546AL8	PHILLIPS 66 CALLABLE NOTES FIXED 4.875%	6,262,000	6,340,528		6,613,110
718546AH7	PHILLIPS 66 CALLABLE NOTES FIXED 5.875%	5,775,000	6,544,467		6,837,947
718546104	PHILLIPS 66 COMMON STOCK USD	69,634	3,135,315		6,017,074
718549AE8	PHILLIPS 66 PARTNERS LP CALLABLE NOTES F	1,710,000	1,698,081		1,642,096
718549AD0	PHILLIPS 66 PARTNERS LP CALLABLE NOTES F	2,450,000	2,447,575		2,371,037
718549AA6	PHILLIPS 66 PARTNERS LP CALLABLE NOTES F	2,075,000	2,088,838		2,068,609
718997216	PHILVEN CO INVESTMENT FD IV IBM	100	15,071,884		255,419
718997224	PHILVEN CO INVESTMENT FD V L P	100	30,677,564		0
6728469	PHISON ELECTRONICS CORP COMMON STOCK TWD	25,000	175,583		198,191
719405102	PHOTRONICS INC COMMON STOCK USD 0.01	2,400	23,198		27,120
693344103	PHP HEALTHCARE CORP COM	2,900	2,356		0
B15CPD5	PIAGGIO & C SPA COMMON STOCK EUR 0	33,625	101,951		56,249
6706250	PICC PROPERTY & CASUALTY CO LTD COMMON S	664,000	1,101,937		1,034,563
B0JJV59	PIDILITE INDUSTRIES LTD COMMON STOCK INR	35,299	314,485		306,753
720186AK1	PIEDMONT NATURAL GAS CO INC CALLABLE NOT	2,740,000	2,736,657		2,418,708
720186AH8	PIEDMONT NATURAL GAS CO INC CALLABLE NOT	2,800,000	2,792,414		2,759,736
720186AG0	PIEDMONT NATURAL GAS CO INC CALLABLE NOT	1,525,000	1,524,268		1,575,508
720190206	PIEDMONT OFFICE REALTY TRUST INC REIT US	11,973	242,288		250,355
720279108	PIER 1 IMPORTS INC COMMON STOCK USD 0.00	14,840	97,539		126,734
72147K108	PILGRIM'S PRIDE CORP COMMON STOCK USD 0.	84,130	2,072,013		1,597,629
72200Q109	PIMCO FDS PAC INV MT MGMT OPEN-END FUND	835,381	10,219,640		10,266,827
722005402	PIMCO FDS PAC INV MT MGMT SER SH TERM INST	3,396,268	32,235,481		31,856,992
B01FLR7	PING AN INSURANCE GROUP CO OF CHINA LTD	435,000	2,369,523		2,176,922
72348P104	PINNACLE FOODS INC COMMON STOCK USD 0.01	9,214	344,663		492,488
BJGZQ70	PINNACLE HOLDINGS LTD COMMON STOCK ZAR 1	24,294	27,150		32,510
723484101	PINNACLE WEST CAPITAL CORP COMMON STOCK	8,805	281,426		687,054
723787AM9	PIONEER NATURAL RESOURCES CO CALLABLE NO	935,000	933,962		990,689
723787AL1	PIONEER NATURAL RESOURCES CO CALLABLE NO	1,525,000	1,531,328		1,558,382
723787AJ6	PIONEER NATURAL RESOURCES CO CALLABLE NO	1,100,000	1,167,375		1,250,447
723787AF4	PIONEER NATURAL RESOURCES CO CALLABLE NO	265,000	299,082		281,332
723787107	PIONEER NATURAL RESOURCES CO COMMON STOC	13,022	643,729		2,344,872
724479AK6	PITNEY BOWES INC CALLABLE NOTES FIXED 3.	1,700,000	1,695,308		1,650,496
724479100	PITNEY BOWES INC COMMON STOCK USD 1	141,427	3,336,574		2,148,276
89499IU82	PLAINFIELD SPECIAL SITUATIONS INTERNATIO	11,076	10,550,785		336,646
72650RBL5	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	5,690,000	5,673,840		5,772,221
72650RBJ0	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	760,000	758,830		785,179
72650RBH4	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	9,678,000	9,005,903		8,940,730
72650RBG6	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	410,000	392,240		410,431
72650RBF8	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	2,557,000	2,495,087		2,448,353
72650RBE1	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	4,491,000	4,252,527		4,001,616
72650RBD3	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	119,000	116,823		117,652
72650RBC5	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	4,055,000	3,770,171		3,359,608
72650RBA9	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	710,000	526,323		658,305
72650RAZ5	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	555,000	530,791		558,064
72650RAY8	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	360,000	397,231		387,162
72650RAW2	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	1,300,000	1,354,310		1,413,620
72650RAT9	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	250,000	287,350		264,193
72650RAR3	PLAINS ALL AMERICAN PIPELINE LP / PAA FI	13,761,000	15,675,976		15,019,856
7C3185B	PLATFORM SPECIALTY (MACDERMID) LX155517	1,093,937	1,090,131		1,110,078
72766Q105	PLATFORM SPECIALTY PRODUCTS	15,641	343,630		153,438
PLJ7COM	PLATINUM FUTURE PRECIOUS METAL 26/APR/20	330	0		-400,817
B7S9G98	PLAYTECH PLC COMMON STOCK GBP 0	5,983	59,423		61,065
729416AZ0	PLY GEM INDUSTRIES INC CALLABLE NOTES FI	600,000	559,500		615,750
729416AX5	PLY GEM INDUSTRIES INC CALLABLE NOTES FI	2,900,000	2,739,600		2,994,250
693995961	PMI WINDJAMMER M & E II IBM	100	0		459,616

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
69353REW4	PNC BANK NA CALLABLE MEDIUM TERM NOTE FI	3,295,000	3,292,990	3,251,473	
69353RER5	PNC BANK NA CALLABLE MEDIUM TERM NOTE FI	4,065,000	4,086,352	4,072,073	
69353RDZ8	PNC BANK NA CALLABLE MEDIUM TERM NOTE FI	1,245,000	1,254,611	1,256,466	
69353RCH9	PNC BANK NA CALLABLE MEDIUM TERM NOTE FI	1,950,000	1,973,478	1,960,277	
69353REX2	PNC BANK NA CALLABLE NOTES FIXED 1.45% 2	270,000	269,622	266,328	
69353REZ7	PNC BANK NA CALLABLE NOTES FIXED 1.7% 07	375,000	374,693	374,321	
69353REV6	PNC BANK NA CALLABLE NOTES FIXED 1.95% 0	4,010,000	4,005,950	4,014,211	
69353RDD7	PNC BANK NA CALLABLE NOTES FIXED 2.25% 0	5,725,000	5,721,581	5,763,243	
69349LAC2	PNC BANK NA NOTES FIXED 4.875% 21/SEP/20	1,820,000	2,002,455	1,863,534	
69349LAD0	PNC BANK NA NOTES FIXED 6% 07/DEC/2017 U	4,339,000	4,957,743	4,507,744	
693475AP0	PNC FINANCIAL SERVICES GROUP INC/THE CAL	1,465,000	1,490,374	1,501,772	
693475AK1	PNC FINANCIAL SERVICES GROUP INC/THE CAL	1,300,000	1,498,250	1,399,125	
693475105	PNC FINANCIAL SERVICES GROUP INC/THE COM	44,331	2,889,017	5,184,954	
693475AL9	PNC FINANCIAL SERVICES GROUP INC/THE NOT	210,000	202,863	208,066	
693476BB8	PNC FUNDING CORP NOTES FIXED 5.625% 01/F	305,000	336,700	305,924	
B5N4QN8	POLA ORBIS HOLDINGS INC COMMON STOCK JPY	1,000	74,766	82,737	
B9XQT11	POLAR CAPITAL GLOBAL FINANCIALS TRUST PL	363,246	499,816	576,205	
731068102	POLARIS INDUSTRIES INC COMMON STOCK USD	4,810	271,401	396,296	
5810066	POLSKI KONCERN NAFTOWY ORLEN SA COMMON S	164,116	2,793,597	3,353,639	
B0L9113	POLSKIE GORNICTWO NAFTOWE I GAZOWNICTWO	520,461	913,016	701,961	
73278L105	POOL CORP COMMON STOCK USD 0.001	3,233	288,661	337,331	
B3BDFS1	POONGSAN CORP COMMON STOCK KRW 5000	20,672	589,978	693,174	
732872106	POPEYES LOUISIANA KITCHEN INC COMMON STO	3,520	209,742	212,890	
733174700	POPULAR INC COMMON STOCK USD 0.01	34,131	1,163,796	1,495,620	
7101069	PORSCHE AUTOMOBIL HOLDING SE PREFERENCE	29,764	1,509,530	1,624,304	
73358WAH7	PORT AUTH N Y & N J CONS-ONE HUNDRED FIF	2,280,000	2,774,986	2,735,020	
73358WXQ2	PORT AUTH N Y & N J CONS-ONE HUNDRED NIN	265,000	265,000	283,357	
73358WJA3	PORT AUTH N Y & N J RFDG-CONS-ONE HUNDRE	7,754,000	7,873,575	7,779,821	
73358WRP1	PORT AUTH N Y & N J TAXABLE-CONS-ONE HUN	900,000	900,000	1,004,598	
73358WEK6	PORT AUTH N Y & N J TAXABLE-CONS-ONE HUN	2,045,000	1,941,543	2,264,838	
B0498T7	PORTO SEGURO SA COMMON STOCK BRL 0	92,000	1,069,241	760,377	
693483109	POSCO ADR USD	2,561	112,083	134,581	
6693233	POSCO COMMON STOCK KRW 5000	6,121	1,234,626	1,304,982	
6344274	POSCO DAEWOO CORP COMMON STOCK KRW 5000	37,011	792,045	827,370	
6103000	POSCO M-TECH CO LTD COMMON STOCK KRW 500	10,706	26,969	27,168	
737446104	POST HOLDINGS INC COMMON STOCK USD 0.01	5,169	397,370	415,536	
BYYN701	POSTE ITALIANE SPA COMMON STOCK EUR	195,498	1,345,633	1,300,101	
73755LAN7	POTASH CORP OF SASKATCHEWAN INC CALLABLE	730,000	729,924	734,621	
73755LAD9	POTASH CORP OF SASKATCHEWAN INC CALLABLE	790,000	931,165	869,648	
2696980	POTASH CORP OF SASKATCHEWAN INC COMMON S	94,658	1,665,929	1,714,509	
737679DE7	POTOMAC ELECTRIC POWER CO CALLABLE BOND	4,500,000	4,773,885	4,584,015	
737679DC1	POTOMAC ELECTRIC POWER CO CALLABLE BOND	333,000	428,559	491,513	
737679DB3	POTOMAC ELECTRIC POWER CO CALLABLE BOND	2,250,000	2,401,285	2,948,468	
6435327	POWER ASSETS HOLDINGS LTD COMMON STOCK H	61,136	581,272	538,961	
2697701	POWER CORP OF CANADA COMMON STOCK CAD 0	70,360	1,508,799	1,576,614	
B1S7225	POWER FINANCE CORP LTD COMMON STOCK INR	499,834	815,104	898,110	
2697864	POWER FINANCIAL CORP COMMON STOCK CAD 0	28,528	692,967	713,918	
6599676	POWERTECH TECHNOLOGY INC COMMON STOCK TW	316,000	572,260	853,021	
693506BE6	PPG INDUSTRIES INC CALLABLE NOTES FIXED	2,695,000	3,139,832	3,082,999	
693506107	PPG INDUSTRIES INC COMMON STOCK USD 1.67	33,747	2,140,867	3,197,866	
69352PAL7	PPL CAPITAL FUNDING INC CALLABLE NOTES F	12,810,000	12,827,816	12,255,071	
69352PAJ2	PPL CAPITAL FUNDING INC CALLABLE NOTES F	6,010,000	6,251,611	6,355,635	
69352PAH6	PPL CAPITAL FUNDING INC CALLABLE NOTES F	2,790,000	2,504,974	2,805,178	
69352PAE3	PPL CAPITAL FUNDING INC CALLABLE NOTES F	1,230,000	1,243,641	1,257,909	
69351T106	PPL CORP COMMON STOCK USD 0.01	76,654	1,956,656	2,610,069	
69351UAT0	PPL ELECTRIC UTILITIES CORP CALLABLE BON	325,000	326,290	330,294	
69351UAR4	PPL ELECTRIC UTILITIES CORP CALLABLE BON	1,050,000	1,043,343	1,170,761	
69351UAN3	PPL ELECTRIC UTILITIES CORP CALLABLE BON	1,465,000	1,788,194	1,696,924	
69351UAH6	PPL ELECTRIC UTILITIES CORP CALLABLE NOT	789,000	1,004,195	1,035,783	
BN320L4	PRAIRIESKY ROYALTY LTD COMMON STOCK CAD	64,449	1,330,996	1,534,992	
74005P104	PRAXAIR INC COMMON STOCK USD 0.01	34,172	1,927,998	4,004,617	
740189AP0	PRECISION CASTPARTS CORP CALLABLE BOND F	635,000	632,892	667,868	
74051N102	PREMIER INC COMMON STOCK USD 0.01	23,200	749,245	704,352	
6699781	PREMIER INVESTMENTS LTD COMMON STOCK AUD	8,811	70,131	92,128	
740816AM5	PRESIDENT & FELLOWS OF HARVARD COLLEGE C	2,035,000	2,031,541	1,820,715	
740816AL7	PRESIDENT & FELLOWS OF HARVARD COLLEGE C	1,205,000	1,205,000	1,196,107	
740816AH6	PRESIDENT & FELLOWS OF HARVARD COLLEGE C	500,000	610,695	589,755	
6704986	PRESIDENT CHAIN STORE CORP COMMON STOCK	94,000	709,328	673,741	
B0B7W69	PRESS METAL BHD COMMON STOCK MYR 0.25000	679,840	242,570	240,960	
74113MAE0	PRESTIGE AUTO RECEIVABLES TRUST 2016-2 2	803,000	802,862	792,350	
741503403	PRICELINE GROUP INC/THE COMMON STOCK USD	4,187	1,016,710	6,138,393	
74153WCG2	PRICOA GLOBAL FUNDING I MEDIUM TERM NOTE	1,440,000	1,440,000	1,440,288	
74153WCF4	PRICOA GLOBAL FUNDING I MEDIUM TERM NOTE	3,971,000	3,969,688	3,982,278	
74153WCD9	PRICOA GLOBAL FUNDING I MEDIUM TERM NOTE	3,655,000	3,655,000	3,666,404	
74153WBZ1	PRICOA GLOBAL FUNDING I MEDIUM TERM NOTE	780,000	763,097	779,477	
74153QAJ1	PRIDE INTERNATIONAL INC CALLABLE NOTES F	630,000	726,995	563,850	
74153QAH5	PRIDE INTERNATIONAL INC CALLABLE NOTES F	530,000	486,275	565,775	
74153QAG7	PRIDE INTERNATIONAL INC CALLABLE NOTES F	860,000	845,821	958,900	
74159UAC1	PRIME MORTGAGE TRUST 2006-DR1 2006-DR1 2	393,311	377,640	366,320	
74251VAN2	PRINCIPAL FINANCIAL GROUP INC CALLABLE N	390,000	389,540	382,110	
74251VAJ1	PRINCIPAL FINANCIAL GROUP INC CALLABLE N	250,000	224,238	247,190	
74251V102	PRINCIPAL FINANCIAL GROUP INC COMMON STO	33,463	1,268,146	1,936,169	
74267C106	PROASSURANCE CORP COMMON STOCK USD 0.01	23,905	1,142,422	1,343,461	
742718DF3	PROCTER & GAMBLE CO/THE CALLABLE NOTES F	424,000	516,965	548,457	
742718109	PROCTER & GAMBLE CO/THE COMMON STOCK USD	275,976	12,402,904	23,204,062	
743263AQ8	PROGRESS ENERGY INC CALLABLE NOTES FIXED	775,000	874,614	832,257	
743263AP0	PROGRESS ENERGY INC CALLABLE NOTES FIXED	5,635,000	6,361,416	6,771,241	
743263AG0	PROGRESS ENERGY INC CALLABLE NOTES FIXED	7,111,000	8,664,138	9,219,340	
743263AE5	PROGRESS ENERGY INC CALLABLE NOTES FIXED	31,056,000	40,471,388	42,732,124	

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	74332TAG5	PROGRESS RESIDENTIAL 2016-SFR2 TRUST 201	2,000,000	2,000,000	2,003,983
	743312100	PROGRESS SOFTWARE CORP COMMON STOCK USD	21,440	551,900	684,579
	743315103	PROGRESSIVE CORP/THE COMMON STOCK USD 1	54,387	597,609	1,930,739
	74340W103	PROLOGIS INC REIT USD 0.01	276,593	10,424,872	14,601,344
	74340XAV3	PROLOGIS LP CALLABLE NOTES FIXED 2.75% 1	1,475,000	1,504,264	1,496,343
	74340XAW1	PROLOGIS LP CALLABLE NOTES FIXED 4.25% 1	1,550,000	1,582,302	1,645,418
	BN56JP1	PROLOGIS PROPERTY MEXICO SA DE CV REIT M	81,596	113,165	117,632
	2393388	PROMOTORA Y OPERADORA DE INFRAESTRUCTURA	9,800	132,259	82,285
	BCZM1B2	PROSIEBENSAT.1 MEDIA SE COMMON STOCK EUR	9,637	357,036	372,127
	74348T102	PROSPECT CAPITAL CORP COMMON STOCK USD 0	31,996	256,985	267,167
	B011QL4	PROSPECT JAPAN FUND LTD/THE CLOSED-END F	535,920	559,914	480,988
	743674AY9	PROTECTIVE LIFE CORP CALLABLE NOTES FIXE	596,000	727,930	789,545
	743674608	PROTECTIVE LIFE CORP CALLABLE PREFERRED	132,000	3,405,740	3,354,120
	74368CAE4	PROTECTIVE LIFE GLOBAL FUNDING NOTES FIX	600,000	600,000	580,170
	743756AC2	PROVIDENCE ST JOSEPH HEALTH OBLIGATED GR	1,170,000	1,174,207	1,079,582
	743756AB4	PROVIDENCE ST JOSEPH HEALTH OBLIGATED GR	680,000	682,533	643,722
	743862AD6	PROVIDENT COS INC NOTES FIXED 7% 15/JUL/	160,000	187,080	171,901
	B1Z4ST8	PROVIDENT FINANCIAL PLC COMMON STOCK GBP	64,008	1,047,925	2,253,316
	68323ADK7	PROVINCE OF ONTARIO CANADA BOND FIXED 1.	785,000	782,606	784,819
	BZ3SZT9	PROVINCIA DE BUENOS AIRES/ARGENTINA BOND	15,530,000	16,456,986	16,880,722
	74408DAC8	PROVINCIA DE CORDOBA CALLABLE BOND FIXED	2,140,000	2,140,000	2,198,850
	B00D9P6	PROXIMUS SADP COMMON STOCK EUR 0	6,700	187,107	193,348
*	74432QCA1	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	6,470,000	6,536,043	6,733,458
*	74432QBY0	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	700,000	759,374	757,449
*	74432QBW4	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	1,470,000	1,496,387	1,482,304
*	74432QBU8	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	6,070,000	6,905,233	7,132,371
*	74432QBQ7	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	1,905,000	2,237,146	2,327,967
*	74432QBN4	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	285,000	336,397	362,016
*	74432QBM6	PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM	3,035,000	3,470,492	3,324,387
*	744320AN2	PRUDENTIAL FINANCIAL INC CALLABLE NOTES	3,770,000	3,628,549	3,725,401
*	744320102	PRUDENTIAL FINANCIAL INC COMMON STOCK US	75,316	4,570,039	7,837,383
*	74432QBG9	PRUDENTIAL FINANCIAL INC MEDIUM TERM NOT	3,350,000	3,980,420	3,771,129
*	74432QBD6	PRUDENTIAL FINANCIAL INC MEDIUM TERM NOT	2,625,000	3,229,615	3,337,031
*	74432QAQ8	PRUDENTIAL FINANCIAL INC MEDIUM TERM NOT	4,775,000	5,174,635	5,518,086
*	74432QAK1	PRUDENTIAL FINANCIAL INC MEDIUM TERM NOT	2,465,000	2,734,620	2,915,109
*	74432QAH8	PRUDENTIAL FINANCIAL INC MEDIUM TERM NOT	370,000	402,238	415,469
*	74432QAC9	PRUDENTIAL FINANCIAL INC MEDIUM TERM NOT	765,000	902,666	873,485
*	743917AH9	PRUDENTIAL INSURANCE CO OF AMERICA/THE N	1,020,000	1,125,667	1,336,149
	709954	PRUDENTIAL PLC COMMON STOCK GBP 5	174,474	3,131,505	3,508,708
	B1W4V69	PRYSMIAN SPA COMMON STOCK EUR 0.1	67,568	1,646,314	1,738,923
	69362BAZ5	PSEG POWER LLC CALLABLE NOTES FIXED 2.45	1,430,000	1,451,908	1,440,053
	69362BBB7	PSEG POWER LLC CALLABLE NOTES FIXED 3% 1	3,750,000	3,743,213	3,761,513
	69362BAJ1	PSEG POWER LLC CALLABLE NOTES FIXED 8.62	6,725,000	8,895,882	8,209,813
	69370C100	PTC INC COMMON STOCK USD 0.01	9,095	349,305	420,826
	69366J200	PTC THERAPEUTICS INC COMMON STOCK USD 0.	8,500	44,143	92,735
	B73BGD3	PTT GLOBAL CHEMICAL PCL NVDR THB 10	115,400	216,093	203,019
	6420408	PTT PCL NVDR THB 10	216,700	2,182,075	2,251,083
	B012W42	PUBLIC BANK BHD COMMON STOCK MYR 1	571,000	2,640,431	2,510,058
	744448CM1	PUBLIC SERVICE CO OF COLORADO CALLABLE B	3,525,000	3,488,340	3,256,325
	744448CK5	PUBLIC SERVICE CO OF COLORADO CALLABLE B	775,000	772,140	809,984
	744448CE9	PUBLIC SERVICE CO OF COLORADO CALLABLE B	1,700,000	2,013,038	1,876,273
	744448CA7	PUBLIC SERVICE CO OF COLORADO CALLABLE B	1,559,000	1,953,193	2,058,457
	744448BZ3	PUBLIC SERVICE CO OF COLORADO CALLABLE B	4,565,000	6,025,013	5,839,457
	744448CG4	PUBLIC SERVICE CO OF COLORADO CALLABLE N	4,300,000	3,974,834	4,044,322
	744533BJ8	PUBLIC SERVICE CO OF OKLAHOMA CALLABLE N	1,000,000	992,530	1,273,470
	74456QBR6	PUBLIC SERVICE ELECTRIC & GAS CO CALLABL	2,875,000	2,865,541	2,667,885
	74456QBQ8	PUBLIC SERVICE ELECTRIC & GAS CO CALLABL	1,420,000	1,416,059	1,378,082
	74456QBN5	PUBLIC SERVICE ELECTRIC & GAS CO CALLABL	450,000	495,716	465,035
	74456QBA3	PUBLIC SERVICE ELECTRIC & GAS CO CALLABL	2,440,000	2,334,036	2,336,056
	74456QAV8	PUBLIC SERVICE ELECTRIC & GAS CO CALLABL	860,000	1,087,883	1,027,915
	74456QAR7	PUBLIC SERVICE ELECTRIC & GAS CO CALLABL	825,000	1,043,598	1,022,208
	744573AK2	PUBLIC SERVICE ENTERPRISE GROUP INC CALL	4,560,000	4,551,336	4,415,357
	744573106	PUBLIC SERVICE ENTERPRISE GROUP INC COMM	51,774	1,196,078	2,271,855
	74460D109	PUBLIC STORAGE REIT USD 0.1	101,156	15,550,647	22,608,366
	4380429	PUBLICIS GROUPE SA COMMON STOCK EUR 0.4	21,611	1,289,509	1,494,160
	745310AD4	PUGET ENERGY INC CALLABLE BOND FIXED 6%	150,000	162,056	167,991
	745310AF9	PUGET ENERGY INC CALLABLE NOTES FIXED 5.	2,300,000	2,526,078	2,546,859
	745332CG9	PUGET SOUND ENERGY INC CALLABLE BOND FIX	875,000	871,063	909,545
	745332CE4	PUGET SOUND ENERGY INC CALLABLE BOND FIX	850,000	889,786	890,443
	745332CB0	PUGET SOUND ENERGY INC CALLABLE BOND FIX	505,000	656,207	616,140
	745332CA2	PUGET SOUND ENERGY INC CALLABLE BOND FIX	2,000,000	2,293,920	2,425,780
	745332CD6	PUGET SOUND ENERGY INC CALLABLE NOTES FI	700,000	728,789	846,615
	745332CC8	PUGET SOUND ENERGY INC CALLABLE NOTES FI	1,235,000	1,516,043	1,512,492
	745332BX3	PUGET SOUND ENERGY INC CALLABLE NOTES FI	1,895,000	2,438,682	2,374,928
	745332BW5	PUGET SOUND ENERGY INC CALLABLE NOTES FI	700,000	863,446	915,712
	745332BY1	PUGET SOUND ENERGY INC CALLABLE NOTES VA	4,530,000	4,729,188	3,850,500
	745867101	PULTEGROUP INC COMMON STOCK USD 0.01	27,384	453,446	503,318
	746909100	PUTNAM MASTER INTERMEDIATE INCOME TRUST	186,408	942,329	859,341
	746853100	PUTNAM PREMIER INCOME TRUST CLOSED-END F	192,136	1,038,254	954,916
	693656100	PVH CORP COMMON STOCK USD 1	6,438	432,811	580,965
	6710347	QANTAS AIRWAYS LTD COMMON STOCK AUD 0	131,872	317,633	317,977
	6148197	QATAR NATIONAL BANK QPSC COMMON STOCK QA	13,438	534,135	601,156
	6715740	QBE INSURANCE GROUP LTD COMMON STOCK AUD	430,960	3,242,272	3,875,762
	74733V100	QEP RESOURCES INC COMMON STOCK USD 0.01	19,129	188,317	352,165
	N72482107	QIAGEN NV COMMON STOCK USD 0.01	18,455	348,769	517,109
	5732825	QIAGEN NV COMMON STOCK USD 0.01	9,739	272,611	274,063
	6718158	QINGLING MOTORS CO LTD COMMON STOCK HKD	284,000	69,962	86,081
	6054465	QISDA CORP COMMON STOCK TWD 10	446,000	215,934	208,269
	74736K101	QORVO INC COMMON STOCK USD 0.0001	17,288	1,149,362	911,596

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74736A103	QTS REALTY TRUST INC REIT USD	18,000	876,829	893,700	
747301109	QUAD/GRAPHICS INC COMMON STOCK USD 0.025	2,054	47,560	55,212	
747525AJ2	QUALCOMM INC CALLABLE NOTES FIXED 4.65%	3,165,000	3,151,137	3,345,785	
747525AK9	QUALCOMM INC CALLABLE NOTES FIXED 4.8% 2	9,393,000	9,153,274	10,037,642	
747525103	QUALCOMM INC COMMON STOCK USD 0.0001	328,030	15,683,783	21,387,556	
B4LHBQ0	QUALICORP SA COMMON STOCK BRL 0	85,900	586,801	508,058	
747545101	QUALITY CARE PROPERTIES INC REIT USD 0.0	10,332	141,730	160,146	
74759BAB9	QUALITYTECH LP/QTS FINANCE CORP CALLABLE	200,000	198,422	203,500	
6141011	QUANTA COMPUTER INC COMMON STOCK TWD 10	49,000	102,308	91,678	
7.48E+106	QUANTA SERVICES INC COMMON STOCK USD 0.0	11,787	267,744	410,777	
748ESCAD2	QUEBECOR WORLD CAPITAL ULC BOND FIXED 6.	665,000	67	67	
74834LAZ3	QUEST DIAGNOSTICS INC CALLABLE NOTES FIX	1,260,000	1,256,510	1,242,788	
74834LAY6	QUEST DIAGNOSTICS INC CALLABLE NOTES FIX	2,990,000	3,197,226	2,979,714	
74834LAX8	QUEST DIAGNOSTICS INC CALLABLE NOTES FIX	2,410,000	2,355,124	2,381,321	
74834LAU4	QUEST DIAGNOSTICS INC CALLABLE NOTES FIX	1,550,000	1,548,977	1,565,206	
74834LAS9	QUEST DIAGNOSTICS INC CALLABLE NOTES FIX	750,000	792,795	804,990	
74834LAQ3	QUEST DIAGNOSTICS INC CALLABLE NOTES FIX	224,000	217,869	241,797	
74834L100	QUEST DIAGNOSTICS INC COMMON STOCK USD 0	11,260	401,200	1,034,794	
74840LAA0	QUICKEN LOANS INC CALLABLE NOTES FIXED 5	5,630,000	5,435,264	5,475,175	
74876Y101	QUINTILES IMS HOLDINGS INC COMMON STOCK	30,573	2,061,003	2,325,077	
747262AK9	QVC INC CALLABLE NOTES FIXED 4.375% 15/M	9,890,000	9,902,377	9,815,825	
747262AU7	QVC INC CALLABLE NOTES FIXED 4.45% 15/FE	3,500,000	3,495,100	3,364,305	
747262AH6	QVC INC CALLABLE NOTES FIXED 5.125% 02/J	1,200,000	1,253,520	1,242,216	
747262AW3	QVC INC CALLABLE NOTES FIXED 5.45% 15/AU	2,170,000	2,163,996	1,975,286	
747262AM5	QVC INC CALLABLE NOTES FIXED 5.95% 15/MA	7,195,000	6,757,944	6,474,637	
912920AC9	QWEST CORP CALLABLE BOND FIXED 6.875% 15	1,759,000	1,519,844	1,679,511	
750236AT8	RADIAN GROUP INC CALLABLE NOTES FIXED 7%	500,000	500,000	556,250	
750236101	RADIAN GROUP INC COMMON STOCK USD 0.001	3,240	50,849	58,255	
B7FQV64	RAIA DROGASIL SA COMMON STOCK BRL 0	74,900	1,141,389	1,408,158	
B0704T9	RAIFFEISEN BANK INTERNATIONAL AG COMMON	17,448	239,510	319,849	
6718277	RAIMON LAND PCL NVDR THB 1	859,100	55,092	33,586	
74890DAA7	RAIT 2016-FL6 TRUST 2016-FL6 A FLOATING	1,127,000	1,127,000	1,126,999	
6229597	RAKUTEN INC COMMON STOCK JPY	178,503	1,828,225	1,753,120	
748940AA1	RALI SERIES 2006-QS7 TRUST 2006-QS7 A1 6	2,885,303	2,871,162	2,417,557	
75116COP9	RALI SERIES 2007-QS6 TRUST 2007-QS6 A62	470,857	249,425	385,922	
751212101	RALPH LAUREN CORP COMMON STOCK USD 0.01	14,290	1,159,629	1,290,673	
B03CPL8	RAMAYANA LESTARI SENTOSA TBK PT COMMON S	1,322,300	97,815	117,287	
760985X22	RAMP SERIES 2004-SL1 TRUST 2004-SL1 A9 6	714,352	714,169	707,432	
7609856C0	RAMP SERIES 2004-SL2 TRUST 2004-SL2 A3 7	614,426	636,699	638,415	
6041995	RAMSAY HEALTH CARE LTD COMMON STOCK AUD	6,231	345,434	308,161	
B01C3S3	RANDGOLD RESOURCES LTD COMMON STOCK GBP	8,758	847,570	694,220	
5228658	RANDSTAD HOLDING NV COMMON STOCK EUR 0.1	12,316	604,004	669,390	
75281AAS8	RANGE RESOURCES CORP CALLABLE NOTES FIXE	3,410,000	3,410,000	3,303,438	
75281A109	RANGE RESOURCES CORP COMMON STOCK USD 0.	16,457	517,223	565,463	
B1FKZP1	RAS LAFFAN LIQUEFIED NATURAL GAS CO LTD	3,000,000	2,974,506	3,450,000	
BSHYZ49	RASSINI SAB DE CV COMMON STOCK MXN 0	21,637	98,221	81,847	
B1TQ2V0	RAUBEX GROUP LTD COMMON STOCK ZAR 1	29,706	51,469	53,438	
B2BXZG5	RAYDIUM SEMICONDUCTOR CORP COMMON STOCK	57,333	117,190	95,706	
754730AF6	RAYMOND JAMES FINANCIAL INC CALLABLE NOT	500,000	499,685	476,000	
754730AE9	RAYMOND JAMES FINANCIAL INC CALLABLE NOT	3,185,000	3,179,936	3,106,076	
754730109	RAYMOND JAMES FINANCIAL INC COMMON STOCK	10,151	191,144	703,160	
754907103	RAYONIER INC REIT USD 0	10,051	125,388	267,357	
755111AU5	RAYTHEON CO CALLABLE BOND FIXED 6.4% 15/	2,375,000	2,596,949	2,595,329	
755111BT7	RAYTHEON CO CALLABLE NOTES FIXED 3.125%	250,000	237,060	258,098	
755111BU4	RAYTHEON CO CALLABLE NOTES FIXED 4.875%	790,000	784,952	888,371	
755111507	RAYTHEON CO COMMON STOCK USD 0.01	40,750	3,367,924	5,786,500	
6198578	REA GROUP LTD COMMON STOCK AUD 0	2,321	93,726	92,822	
B4W9262	REAL GOLD MINING LTD COMMON STOCK HKD 1	547,000	98,671	0	
75605Y106	REALOGY HOLDINGS CORP COMMON STOCK USD 0	208,821	7,344,509	5,372,964	
75606N109	REALPAGE INC COMMON STOCK USD 0.001	8,050	166,967	241,500	
6051422	REALTEK SEMICONDUCTOR CORP COMMON STOCK	144,000	545,503	455,739	
756109AS3	REALTY INCOME CORP CALLABLE NOTES FIXED	1,492,000	1,472,171	1,404,718	
756109AR5	REALTY INCOME CORP CALLABLE NOTES FIXED	2,690,000	2,676,523	2,769,328	
756109AK0	REALTY INCOME CORP CALLABLE NOTES FIXED	1,825,000	2,086,158	2,039,584	
756109104	REALTY INCOME CORP REIT USD 1	20,595	695,991	1,183,801	
B24CGK7	RECKITT BENCKISER GROUP PLC COMMON STOCK	133,080	8,648,744	11,323,359	
B07DRZ5	RECORDATI SPA COMMON STOCK EUR 0.125	15,479	381,150	439,509	
BQRZR00	RECRUIT HOLDINGS CO LTD COMMON STOCK JPY	16,000	622,668	643,375	
BD6FXN3	RED ELECTRICA CORP SA COMMON STOCK EUR 0	41,079	810,527	776,656	
756577102	RED HAT INC COMMON STOCK USD 0.0001	14,450	196,273	1,007,165	
89799S395	REDWOOD GROVE INTERNATIONAL CO-INVEST	100	23,905,193	30,374,207	
757992581	REDWOOD GROVE INTL/1133 WEST LLC	100	79,025,602	33,136,185	
758202AG0	REED ELSEVIER CAPITAL INC CALLABLE NOTES	1,374,000	1,368,669	1,544,087	
758750103	REGAL BELOIT CORP COMMON STOCK USD 0.01	3,674	218,850	254,425	
758766109	REGAL ENTERTAINMENT GROUP COMMON STOCK U	6,699	127,411	137,999	
6730204	REGAL HOTELS INTERNATIONAL HOLDINGS LTD	100	8	55	
758849103	REGENCY CENTERS CORP REIT USD 0.01	97,155	6,299,178	6,698,837	
75886AAQ1	REGENCY ENERGY PARTNERS LP / REGENCY ENE	50,000	46,645	52,985	
75886AAL2	REGENCY ENERGY PARTNERS LP / REGENCY ENE	115,000	125,653	126,507	
75886AAJ7	REGENCY ENERGY PARTNERS LP / REGENCY ENE	861,000	801,162	873,683	
75886F107	REGENERON PHARMACEUTICALS INC COMMON STO	6,694	418,750	2,457,300	
759187BL0	REGIONS BANK/BIRMINGHAM AL CALLABLE NOTE	1,275,000	1,273,483	1,279,182	
7591EP100	REGIONS FINANCIAL CORP COMMON STOCK USD	100,914	1,222,232	1,449,125	
7591EPAE0	REGIONS FINANCIAL CORP NOTES FIXED 7.375	2,220,000	2,660,813	2,726,493	
75933*9N6	REILLY MTG ASSOC L P POOLED FHA INSD PRO	190,015	190,124	185,207	
75933*1K0	REILLY MTG GROUP INC FHA PJ LN CTF SER 1	32,993	33,543	32,158	
759351604	REINSURANCE GROUP OF AMERICA INC COMMON	5,258	158,626	661,614	
6099626	RELIAANCE INDUSTRIES LTD COMMON STOCK INR	39,957	626,126	637,240	
75951AAC2	RELIAANCE STANDARD LIFE GLOBAL FUNDING II	3,800,000	3,788,448	3,757,174	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	75951AAA6	RELIANCE STANDARD LIFE GLOBAL FUNDING II	1,735,000	1,750,215	1,746,225
	759509AE2	RELIANCE STEEL & ALUMINUM CO CALLABLE NO	500,000	497,925	503,040
	759509102	RELIANCE STEEL & ALUMINUM CO COMMON STOC	8,007	421,705	636,877
	758202AK1	RELX CAPITAL INC CALLABLE BOND FIXED 3.1	6,204,000	4,906,887	6,148,102
	4148810	RELX NV COMMON STOCK EUR 0.07	126,597	2,121,654	2,135,116
	B2B0DG9	RELX PLC COMMON STOCK GBP 14.4397	242,380	3,193,262	4,339,709
	4741714	REMY COINTREAU SA COMMON STOCK EUR 1.6	1,074	82,045	91,780
	759950FF0	RENAISSANCE HOME EQUITY LOAN TRUST 2005-	2,500,000	1,693,387	2,501,213
	759996606	RENAISSANCE INSTITUTIONAL DIVERSIFIED AL	100	120,495,000	180,461,329
	G7496G103	RENAISSANCERE HOLDINGS LTD COMMON STOCK	5,291	420,335	720,740
	4712798	RENAULT SA COMMON STOCK EUR 3.81	42,122	3,611,149	3,754,625
	6732200	RENGO CO LTD COMMON STOCK JPY	89,000	549,652	485,309
	76009XAA6	RENSSELAER POLYTECHNIC INSTITUTE CALLABL	2,903,000	3,313,049	3,172,950
	76009N100	RENT-A-CENTER INC/TX COMMON STOCK USD 0.	77,400	1,031,870	870,750
	12669GN64	REPERFORMING LOAN REMIC TRUST 2005-R2 20	414,241	414,451	366,558
	99G*50016	REPO BANK OF NEW YORK (PBCOLLATERAL)	59,700,000	59,700,000	59,700,000
	99G*50002	REPO BANK OF NY/TORONTO DOMINION SEC INC	59,700,000	59,700,000	59,700,000
	99G*50018	REPO CITIGROUP GLOBAL MARKETS INC/SALOMO	400,000	400,000	400,000
	99G*50017	REPO CITIGROUP GLOBAL MARKETS INC/SALOMO	700,000	700,000	700,000
	99G*50008	REPO JP MORGAN SECS INC., - FIXED INCOME	59,700,000	59,700,000	59,700,000
	99G*50005	REPO MERRILL LYNCH PIERCE FENNER & SMITH	35,700,000	35,700,000	35,700,000
	BYXSFN6	REPSOL SA COMMON STOCK EUR	1,305	0	18,472
	5669354	REPSOL SA COMMON STOCK EUR 1	263,819	3,608,843	3,734,291
	BYXSFG9	REPSOL SA RIGHT EUR	124,389	0	46,182
	195325CU7	REPUBLIC OF COLOMBIA CALLABLE BOND FIXED	11,490,000	11,396,680	10,901,138
	195325BR5	REPUBLIC OF COLOMBIA CALLABLE BOND FIXED	845,000	842,271	870,350
	P8054QAN3	REPUBLIC OF ECUADOR CALLABLE BOND FIXED	3,520,000	3,520,509	3,819,200
	BYYPQ17	REPUBLIC OF ECUADOR CALLABLE BOND FIXED	170,000	170,076	184,450
	8C2707B	REPUBLIC OF ECUADOR CALLABLE BOND FIXED	4,560,000	4,560,000	4,662,600
	5C9238B	REPUBLIC OF ECUADOR CALLABLE BOND FIXED	3,230,000	3,230,000	3,504,550
	455780BZ8	REPUBLIC OF INDONESIA BOND FIXED 3.7% 08	235,000	234,452	235,529
	455780BX3	REPUBLIC OF INDONESIA BOND FIXED 4.35% 0	400,000	398,368	400,848
	5B3577B	REPUBLIC OF ITALY BOND FIXED 1.5% 01/JUN	900,000	1,040,059	944,734
	B3PVDZ4	REPUBLIC OF ITALY BOND FIXED 2.1% 15/SEP	2,875,000	3,776,985	3,666,067
	BYZTNT9	REPUBLIC OF POLAND BOND FIXED 2.5% 25/JU	5,200,000	1,306,495	1,131,735
	BN89SK5	REPUBLIC OF POLAND BOND FIXED 3.25% 25/J	800,000	215,025	188,073
	BJTXRV2	REPUBLIC OF SLOVENIA BOND FIXED 4.125% 1	200,000	198,662	207,532
	BJTXRW3	REPUBLIC OF SLOVENIA BOND FIXED 5.25% 18	700,000	687,729	766,850
	831594AG1	REPUBLIC OF SLOVENIA BOND FIXED 5.25% 18	1,120,000	1,158,362	1,226,960
	831594AB2	REPUBLIC OF SLOVENIA BOND FIXED 5.5% 26/	510,000	516,743	563,540
	831594AD8	REPUBLIC OF SLOVENIA BOND FIXED 5.85% 10	471,000	532,113	530,549
	6148788	REPUBLIC OF SOUTH AFRICA BOND FIXED 10.5	9,500,000	730,903	765,961
	836205AU8	REPUBLIC OF SOUTH AFRICA BOND FIXED 4.3%	385,000	385,000	357,088
	900123CB4	REPUBLIC OF TURKEY BOND FIXED 4.875% 16/	2,065,000	1,636,513	1,663,358
	760761AB2	REPUBLIC SERVICES INC CALLABLE NOTES FIX	310,000	367,468	337,358
	760759AP5	REPUBLIC SERVICES INC CALLABLE NOTES FIX	2,555,000	2,620,999	2,654,134
	760759AL4	REPUBLIC SERVICES INC CALLABLE NOTES FIX	1,280,000	1,372,672	1,315,597
	760759AH3	REPUBLIC SERVICES INC CALLABLE NOTES FIX	1,520,000	1,662,865	1,640,810
	760759100	REPUBLIC SERVICES INC COMMON STOCK USD 0	19,365	435,630	1,104,773
	76114HAK1	RESIDENTIAL ASSET SECURITIZATION TRUST 2	100,964	87,341	88,696
	761128AJ6	RESIDENTIAL ASSET SECURITIZATION TRUST 2	681,781	537,642	583,771
	761152107	RESMED INC COMMON STOCK USD 0.004	11,133	141,008	690,803
	6421553	RESONA HOLDINGS INC COMMON STOCK JPY	792,118	3,903,457	4,071,460
	BTf8CF0	RESTAURANT BRANDS INTERNATIONAL INC COMM	25,232	1,100,401	1,203,226
	76131D103	RESTAURANT BRANDS INTERNATIONAL INC COMM	12,907	574,403	615,148
	76131N101	RETAIL OPPORTUNITY INVESTMENTS CORP REIT	303,115	5,689,056	6,404,820
	76131V202	RETAIL PROPERTIES OF AMERICA INC REIT US	152,600	2,251,674	2,339,358
	76132B106	RETAILMENOT INC COMMON STOCK USD 0.001	8,800	77,106	81,840
	B1VP0K0	REXEL SA COMMON STOCK EUR 5	13,296	200,192	219,265
	76169B102	REXNORD CORP COMMON STOCK USD 0.01	25,203	628,296	493,727
	761713AT3	REYNOLDS AMERICAN INC CALLABLE BOND FIXE	3,748,000	4,905,955	4,910,705
	761713BW5	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	3,573,000	4,237,026	4,278,239
	761713BV7	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	7,871,000	10,016,761	10,509,753
	761713BT2	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	6,436,000	7,570,939	7,308,657
	761713BS4	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	3,338,000	4,080,748	3,808,124
	761713BG0	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	6,040,000	6,263,209	6,377,092
	761713BE5	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	3,809,000	3,838,081	3,902,930
	761713BC9	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	14,560,000	14,792,500	14,652,310
	761713BB1	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	12,274,000	14,167,941	14,534,012
	761713BA3	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	10,107,000	10,864,675	11,609,304
	761713AZ9	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	5,580,000	6,809,649	6,732,940
	761713AY2	REYNOLDS AMERICAN INC CALLABLE NOTES FIX	1,330,000	1,386,299	1,444,477
	761713106	REYNOLDS AMERICAN INC COMMON STOCK USD 0	66,200	480,181	3,709,848
	761735AR0	REYNOLDS GROUP ISSUER INC / REYNOLDS GRO	700,000	693,000	715,750
	74958DAG3	RFMSI SERIES 2006-S10 TRUST 2006-S10 1A7	2,624,484	2,000,760	2,479,331
	74958TAB9	RFMSI SERIES 2007-SA3 TRUST 2007-SA3 2A1	870,811	733,412	750,724
	762992147	RHO VENTURES V - BULLSHEAD D	100	17,495,138	5,840,718
	74999O782	RHO VENTURES VI LP	100	24,208,613	20,617,479
	762760106	RICE ENERGY INC COMMON STOCK USD 0.01	11,403	272,191	243,454
	762990976	RICE MEZZANINE II - IBM LTD PART	7,559,077	4,567,631	0
	BC9ZH86	RICHTER GEDEON NYRT COMMON STOCK HUF 100	59,611	1,109,246	1,264,150
	6738220	RICOH CO LTD COMMON STOCK JPY	218,667	1,955,622	1,852,300
	766559603	RIGEL PHARMACEUTICALS INC COMMON STOCK U	29,428	143,228	70,039
	B2987V8	RIGHTMOVE PLC COMMON STOCK GBP 1	72,045	1,027,382	3,474,544
	6740582	RINNAI CORP COMMON STOCK JPY	1,700	149,937	137,446
	76716XAA0	RIO OIL FINANCE TRUST SERIES 2014-1 CALL	11,253,239	11,655,455	10,578,045
	76716XAB8	RIO OIL FINANCE TRUST SERIES 2014-3 CALL	1,783,390	1,708,488	1,640,719
	013716AQ8	RIO TINTO ALCAN INC CALLABLE BOND FIXED	2,820,000	3,592,420	3,358,902
	013716AW5	RIO TINTO ALCAN INC CALLABLE NOTES FIXED	770,000	831,130	822,522

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
767201AS5	RIO TINTO FINANCE USA LTD CALLABLE NOTES	2,575,000	2,677,802	2,651,761	
767201AQ9	RIO TINTO FINANCE USA LTD CALLABLE NOTES	550,000	548,592	577,599	
767201AL0	RIO TINTO FINANCE USA LTD CALLABLE NOTES	4,190,000	4,435,586	4,809,166	
767201AD8	RIO TINTO FINANCE USA LTD CALLABLE NOTES	1,970,000	2,506,361	2,546,008	
76720AAG1	RIO TINTO FINANCE USA PLC CALLABLE NOTES	972,000	914,274	954,698	
76720AAD8	RIO TINTO FINANCE USA PLC CALLABLE NOTES	2,700,000	2,819,416	2,895,993	
6220103	RIO TINTO LTD COMMON STOCK AUD 0	74,336	3,053,129	3,224,219	
767204100	RIO TINTO PLC ADR USD	27,654	895,442	1,063,573	
718875	RIO TINTO PLC COMMON STOCK GBP 10	138,344	4,795,458	5,399,290	
2229610	RIOCAN REAL ESTATE INVESTMENT TRUST REIT	17,964	340,835	356,721	
2345390	RITCHIE BROS AUCTIONEERS INC COMMON STOC	21,956	738,748	745,756	
767754104	RITE AID CORP COMMON STOCK USD 1	153,541	1,150,802	1,265,178	
770323103	ROBERT HALF INTERNATIONAL INC COMMON STO	10,145	211,781	494,873	
BFTCYP4	ROBINSONS RETAIL HOLDINGS INC COMMON STO	228,120	403,128	340,717	
7110388	ROCHE HOLDING AG COMMON STOCK CHF 0	68,492	16,031,512	15,674,954	
771196BH4	ROCHE HOLDINGS INC CALLABLE NOTES FIXED	2,250,000	2,214,810	2,242,643	
77340RAK3	ROCKIES EXPRESS PIPELINE LLC CALLABLE NO	1,400,000	1,473,500	1,473,500	
77340RAC1	ROCKIES EXPRESS PIPELINE LLC CALLABLE NO	1,285,000	1,357,979	1,357,281	
771993003	ROCKPOINT RE II/BULLSHEAD LLC	100	10,211,965	5,720,987	
773990411	ROCKPOINT RE III	100	0	11,029,484	
773998570	ROCKPOINT REAL ESTATE FUND IV, L.P.	100	16,584,047	44,533,899	
7719931R3	ROCKPOINT REAL ESTATE I - BULLSHEAD LLC	100	0	184,308	
772739AL2	ROCK-TENN CO CALLABLE NOTES FIXED 4.9% 0	5,000,000	5,226,850	5,427,700	
773903109	ROCKWELL AUTOMATION INC COMMON STOCK USD	10,362	261,825	1,392,653	
774341AF8	ROCKWELL COLLINS INC CALLABLE NOTES FIXE	920,000	916,228	966,451	
774341101	ROCKWELL COLLINS INC COMMON STOCK USD 0.	11,366	332,345	1,054,310	
4713490	ROCKWOOL INTERNATIONAL A/S COMMON STOCK	1,016	160,070	179,577	
775109AL5	ROGERS COMMUNICATIONS INC CALLABLE BOND	180,000	215,286	236,731	
775109AK7	ROGERS COMMUNICATIONS INC CALLABLE BOND	760,000	876,789	819,470	
775109BF7	ROGERS COMMUNICATIONS INC CALLABLE NOTES	5,000,000	4,917,700	4,710,250	
775109BB6	ROGERS COMMUNICATIONS INC CALLABLE NOTES	4,955,000	5,292,288	5,300,364	
775109AX9	ROGERS COMMUNICATIONS INC CALLABLE NOTES	3,385,000	3,255,148	3,294,654	
775109AW1	ROGERS COMMUNICATIONS INC CALLABLE NOTES	380,000	359,388	377,534	
2169051	ROGERS COMMUNICATIONS INC COMMON STOCK C	97,192	2,791,047	3,753,457	
775371AV9	ROHM & HAAS CO CALLABLE NOTES FIXED 6% 1	71,000	82,021	73,215	
775371AU1	ROHM & HAAS CO CALLABLE NOTES FIXED 7.85	4,910,000	6,700,224	6,637,927	
6747204	ROHM CO LTD COMMON STOCK JPY	19,749	1,016,808	1,139,544	
775711104	ROLLINS INC COMMON STOCK USD 1	8,168	116,445	275,915	
BZCOLD2	ROLLS-ROYCE HLDGS PLC C SHS ENTITLEMENT	16,538,380	4,621	20,436	
B63H849	ROLLS-ROYCE HOLDINGS PLC COMMON STOCK GB	380,119	4,030,517	3,137,556	
776743AD8	ROPER TECHNOLOGIES INC CALLABLE NOTES FI	1,740,000	1,739,722	1,750,401	
776743AC0	ROPER TECHNOLOGIES INC CALLABLE NOTES FI	3,590,000	3,584,364	3,588,277	
776696106	ROPER TECHNOLOGIES INC COMMON STOCK USD	7,978	292,291	1,460,612	
749655205	ROS AGRO PLC GDR USD	24,447	340,873	325,145	
B17FSC2	ROSNEFT OIL CO PJSC GDR USD	70,000	301,063	455,000	
778296103	ROSS STORES INC COMMON STOCK USD 0.01	32,628	173,630	2,140,397	
BVFNZH2	ROTORK PLC COMMON STOCK GBP 0.5	63,546	163,504	189,392	
G7665A101	ROWAN COS PLC COMMON STOCK USD 0.125	11,085	260,808	209,396	
2754383	ROYAL BANK OF CANADA COMMON STOCK CAD 0	170,884	10,890,657	11,579,157	
78012K RK5	ROYAL BANK OF CANADA MEDIUM TERM NOTE FI	18,680,000	18,658,705	18,443,698	
78012KKU0	ROYAL BANK OF CANADA MEDIUM TERM NOTE FI	3,080,000	3,076,550	3,087,546	
78008SVD5	ROYAL BANK OF CANADA MEDIUM TERM NOTE FI	2,750,000	2,724,398	2,746,150	
780099CH8	ROYAL BANK OF SCOTLAND GROUP PLC BOND FI	5,620,000	5,595,786	5,603,590	
780099CE5	ROYAL BANK OF SCOTLAND GROUP PLC BOND FI	8,320,000	8,281,837	8,846,906	
780097AY7	ROYAL BANK OF SCOTLAND GROUP PLC BOND FI	1,315,000	1,321,361	1,376,424	
780097BB6	ROYAL BANK OF SCOTLAND GROUP PLC CALLABL	6,860,000	6,901,095	6,997,200	
B7T7721	ROYAL BANK OF SCOTLAND GROUP PLC COMMON	138,708	350,987	384,952	
780097BD2	ROYAL BANK OF SCOTLAND GROUP PLC NOTES F	11,400,000	11,396,580	10,946,964	
780097BA8	ROYAL BANK OF SCOTLAND GROUP PLC NOTES F	1,000,000	1,044,250	1,001,130	
780097AZ4	ROYAL BANK OF SCOTLAND GROUP PLC NOTES F	8,551,000	8,739,137	8,881,924	
780097AM3	ROYAL BANK OF SCOTLAND GROUP PLC NOTES F	4,951,000	5,215,473	5,041,653	
00080QAB1	ROYAL BANK OF SCOTLAND NV NOTES FIXED 4.	6,000,000	6,267,840	6,099,660	
B7J8070	ROYAL BANK OF SCOTLAND PLC/THE CALLABLE	1,200,000	1,400,700	1,218,552	
V7780T103	ROYAL CARIBBEAN CRUISES LTD	13,474	542,300	1,105,407	
780259206	ROYAL DUTCH SHELL PLC ADR USD	15,879	798,213	863,500	
B09CBL4	ROYAL DUTCH SHELL PLC COMMON STOCK	338,992	8,790,179	9,290,984	
B03MLX2	ROYAL DUTCH SHELL PLC COMMON STOCK	147,735	4,447,615	4,093,656	
B03MM40	ROYAL DUTCH SHELL PLC COMMON STOCK GBP 0	291,526	8,277,927	8,479,675	
780287108	ROYAL GOLD INC COMMON STOCK USD 0.01	5,203	252,527	329,610	
BDVZYZ7	ROYAL MAIL PLC COMMON STOCK GBP	281,251	1,958,347	1,605,926	
BX8ZX20	ROYAL UNIBREW A/S COMMON STOCK DKK 2	4,105	195,003	158,737	
749660106	RPC INC COMMON STOCK USD 0.1	4,796	72,015	95,009	
749685103	RPM INTERNATIONAL INC COMMON STOCK USD 0	18,074	540,993	972,923	
74972G103	RPX CORP COMMON STOCK USD 0.0001	66,492	984,974	718,114	
257867200	RR DONNELLEY & SONS CO COMMON STOCK USD	5,607	240,806	91,506	
BKKMKR2	RSA INSURANCE GROUP PLC COMMON STOCK GBP	44,795	301,408	324,357	
749991113	RSTW PARTNERS III L P- IBM	100	3,959,858	0	
6296159	RSWM LTD COMMON STOCK INR 10	21,994	107,196	144,272	
B1BK209	RTL GROUP SA COMMON STOCK EUR 0	3,878	374,585	285,218	
781270103	RUDOLPH TECHNOLOGIES INC COMMON STOCK US	680	11,230	15,878	
6758422	RUENTEX INDUSTRIES LTD COMMON STOCK TWD	93,822	132,991	156,326	
B2Q7WL3	RURAL ELECTRIFICATION CORP LTD COMMON ST	373,368	650,380	686,828	
783332109	RUTH'S HOSPITALITY GROUP INC COMMON STOC	236	3,656	4,319	
4768962	RWE AG COMMON STOCK EUR 0	182,845	2,356,983	2,278,591	
78349AAB9	RWJ BARNABAS HEALTH INC CALLABLE BOND FI	990,000	990,000	911,830	
783513203	RYANAIR HOLDINGS PLC ADR USD	2,942	219,063	244,952	
BYTBXV3	RYANAIR HOLDINGS PLC COMMON STOCK EUR 0.	7,555	114,656	115,585	
78355HJZ3	RYDER SYSTEM INC CALLABLE MEDIUM TERM NO	190,000	189,478	189,132	
78355HJX8	RYDER SYSTEM INC CALLABLE MEDIUM TERM NO	3,475,000	3,485,085	3,494,252	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	783549108	RYDER SYSTEM INC COMMON STOCK USD 0.5	4,217	132,712	313,913
	783754104	RYERSON HOLDING CORP COMMON STOCK USD 0.	622	9,221	8,304
	6161525	RYMAN HEALTHCARE LTD COMMON STOCK NZD 0	55,090	333,538	311,540
	78377T107	RYMAN HOSPITALITY PROPERTIES INC REIT US	100	5,549	6,301
	6758455	RYOHIN KEIKAKU CO LTD COMMON STOCK JPY	2,300	480,528	451,777
	78409VAL8	S&P GLOBAL INC CALLABLE NOTES FIXED 2.95	1,325,000	1,313,830	1,238,888
	78409VAD6	S&P GLOBAL INC CALLABLE NOTES FIXED 4% 1	2,300,000	2,282,842	2,362,974
	78409VAK0	S&P GLOBAL INC CALLABLE NOTES FIXED 4.4%	750,000	747,383	793,395
	78409V104	S&P GLOBAL INC COMMON STOCK USD 1	35,756	2,098,734	3,845,200
*	FAH7IDX	S&P MID 400 EMINI EQUITY INDEX 17/MAR/20	10	0	-26,538
	PTH7IDX	S&P/TSX 60 IX FUT EQUITY INDEX 16/MAR/20	7	0	-7,013
*	ESH7IDX	S&P500 EMINI FUT EQUITY INDEX 17/MAR/201	50	0	-79,738
	6180230	S-1 CORP COMMON STOCK KRW 500	1,216	73,541	88,295
	785592AR7	SABINE PASS LIQUEFACTION LLC CALLABLE NO	5,291,000	5,301,906	5,337,296
	785592AP1	SABINE PASS LIQUEFACTION LLC CALLABLE NO	2,430,000	2,432,005	2,618,325
	785592AM8	SABINE PASS LIQUEFACTION LLC CALLABLE NO	1,000,000	985,000	1,070,000
	785592AJ5	SABINE PASS LIQUEFACTION LLC CALLABLE NO	2,000,000	2,100,000	2,145,000
	78573M104	SABRE CORP COMMON STOCK USD 0.01	29,335	751,261	731,908
	2771672	SACI FALABELLA COMMON STOCK CLP 0	102,832	860,939	813,632
	785778EC1	SACO I INC 2005-2 A FLOATING 25/APR/2035	118,036	48,137	100,631
	786CVR209	SAFEWAY CASA LEY CVR	63,661	0	64,610
	786CVR308	SAFEWAY PDC, LLC CVR +	63,661	0	3,107
	B058TZ6	SAFRAN SA COMMON STOCK EUR 0.2	13,776	956,315	994,159
	B8C3BL0	SAGE GROUP PLC/THE COMMON STOCK GBP 1.05	235,662	2,214,640	1,907,332
	4768768	SAIPEM SPA COMMON STOCK EUR 0	5,236,705	2,428,656	2,955,027
	79466L302	SALESFORCE.COM INC COMMON STOCK USD 0.00	51,195	1,008,938	3,504,810
	7.95E+108	SALLY BEAUTY HOLDINGS INC COMMON STOCK U	22,091	593,973	583,644
	B1W5NW2	SALMAR ASA COMMON STOCK NOK 0.25	6,070	148,777	182,008
	5226038	SAMPO OYJ COMMON STOCK EUR 0	105,518	2,150,192	4,740,059
	BYNJCV6	SAMSUNG BIOLOGICS CO LTD COMMON STOCK KR	4,447	574,066	555,967
	6771720	SAMSUNG ELECTRONICS CO LTD COMMON STOCK	14,402	14,830,852	21,487,336
	6773812	SAMSUNG ELECTRONICS CO LTD PREFERENCE KR	754	762,407	894,587
	6155250	SAMSUNG FIRE & MARINE INSURANCE CO LTD C	2,893	717,901	643,128
	797440BU7	SAN DIEGO GAS & ELECTRIC CO CALLABLE BON	1,010,000	1,006,718	968,014
	797440BP8	SAN DIEGO GAS & ELECTRIC CO CALLABLE BON	1,640,000	1,583,724	1,633,178
	797440BM5	SAN DIEGO GAS & ELECTRIC CO CALLABLE BON	4,910,000	4,803,334	5,263,225
	797440BK9	SAN DIEGO GAS & ELECTRIC CO CALLABLE BON	500,000	687,299	638,155
	797440BJ2	SAN DIEGO GAS & ELECTRIC CO CALLABLE NOT	250,000	294,233	320,843
	B5B23W2	SANDS CHINA LTD COMMON STOCK HKD 0.01	371,200	1,693,591	1,613,466
	B1VQ252	SANDVIK AB COMMON STOCK SEK 1.2	289,831	3,020,672	3,595,530
	6712525	SANGAM INDIA LTD COMMON STOCK INR 10	5,069	15,930	18,418
	6775432	SANKYO CO LTD COMMON STOCK JPY	16,978	623,646	549,509
	801056102	SANMINA CORP COMMON STOCK USD 0.01	8,830	233,424	323,620
	5671735	SANOFI COMMON STOCK EUR 2	110,796	9,824,848	8,986,694
	80105N113	SANOFI RIGHT USD	69,395	94,377	26,370
	6363354	SANSIRI PCL NVDR THB 1.07	2,054,200	87,117	95,223
	80280JDB4	SANTANDER BANK NA CALLABLE NOTES FIXED 2	765,000	762,277	764,679
	80283M101	SANTANDER CONSUMER USA HOLDINGS INC COMM	8,814	194,814	118,989
	80285CAD3	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	599,161	599,119	599,413
	80284RAF6	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	2,808,000	2,807,462	2,793,642
	80284QAC5	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	25,606	25,606	25,617
	80284MAB6	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	25,017	25,017	25,018
	80284BAE4	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	1,327,000	1,326,969	1,329,294
	80283YAE5	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	23,336	23,336	23,357
	80282KAH9	SANTANDER HOLDINGS USA INC CALLABLE NOTE	775,000	774,845	774,411
	80282KAE6	SANTANDER HOLDINGS USA INC CALLABLE NOTE	7,305,000	7,294,746	7,259,344
	80282KAD8	SANTANDER HOLDINGS USA INC CALLABLE NOTE	5,040,000	5,019,890	4,995,295
	80282KAC0	SANTANDER HOLDINGS USA INC CALLABLE NOTE	4,210,000	4,282,862	4,273,739
	80281TAE8	SANTANDER ISSUANCES SAU BOND FIXED 5.179	1,600,000	1,600,000	1,615,040
	BYZG5X8	SANTANDER UK GROUP HOLDINGS PLC CALLABLE	500,000	657,073	617,857
	80281LAA3	SANTANDER UK GROUP HOLDINGS PLC MEDIUM T	2,930,000	2,941,191	2,868,470
	80281LAE5	SANTANDER UK GROUP HOLDINGS PLC NOTES FI	4,510,000	4,504,182	4,410,149
	80281LAC9	SANTANDER UK GROUP HOLDINGS PLC NOTES FI	5,510,000	5,516,016	5,460,355
	80281LAB1	SANTANDER UK GROUP HOLDINGS PLC NOTES FI	5,025,000	5,031,956	4,925,807
	80283LAD5	SANTANDER UK PLC NOTES FIXED 1.65% 29/SE	155,000	154,847	155,164
	80283LAH6	SANTANDER UK PLC NOTES FIXED 2.35% 10/SE	1,350,000	1,344,560	1,350,851
	80283LAK9	SANTANDER UK PLC NOTES FIXED 2.5% 14/MAR	5,085,000	5,076,101	5,114,696
	80283LAA1	SANTANDER UK PLC NOTES FIXED 5% 07/NOV/2	8,050,000	8,360,278	8,189,426
	6776606	SANTEN PHARMACEUTICAL CO LTD COMMON STOC	16,500	230,456	202,298
	6776703	SANTOS LTD COMMON STOCK AUD 0	519,989	1,591,729	1,513,627
	B1P3R43	SAO MARTINHO SA COMMON STOCK BRL 0	76,500	329,421	458,337
	4846288	SAP SE COMMON STOCK EUR 0	91,030	7,371,691	7,950,910
	6777007	SAPPI LTD COMMON STOCK ZAR 100	234,005	1,051,345	1,539,214
	2112226	SAPUTO INC COMMON STOCK CAD 0	29,448	974,833	1,043,268
	B09G569	SASKEN TECHNOLOGIES LTD COMMON STOCK INR	510	2,524	3,026
	6777450	SASOL LTD COMMON STOCK ZAR 0	18,140	732,177	529,144
	6243586	SATS LTD COMMON STOCK SGD 0	29,524	98,933	99,115
	80413MAB0	SAUDI ELECTRICITY GLOBAL SUKUK CO 3 BOND	6,100,000	6,100,000	6,079,321
	6784955	SAWAI PHARMACEUTICAL CO LTD COMMON STOCK	5,600	365,204	301,522
	805564MK4	SAXON ASSET SECURITIES TRUST 2002-3 2002	77,816	62,350	73,291
	78388J106	SBA COMMUNICATIONS CORP COMMON STOCK USD	55,820	5,481,230	5,763,973
	78403DAK6	SBA TOWER TRUST CALLABLE OTHER SECURED L	1,600,000	1,612,800	1,586,368
	B3P7N29	SBERBANK OF RUSSIA PJSC ADR USD	188,378	1,362,251	2,180,475
	80585Y308	SBERBANK OF RUSSIA PJSC ADR USD	149,664	1,261,038	1,732,361
	6309466	SBI HOLDINGS INC/JAPAN COMMON STOCK JPY	57,770	730,373	736,520
	78408LAC1	SC JOHNSON & SON INC CALLABLE NOTES FIXE	955,000	950,722	959,154
	78408LAA5	SC JOHNSON & SON INC CALLABLE NOTES FIXE	1,000,000	949,670	957,130
	80589M102	SCANA CORP COMMON STOCK USD 0	10,484	319,542	768,268
	78409B207	SCE TRUST III CALLABLE PREFERRED STOCK V	37,200	931,352	947,484

IBM

Personal Pension Plan

Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
BLZH0Z7	SCENTRE GROUP REIT AUD 0	234,503	740,596	787,889	
806213AD6	SCENTRE GROUP TRUST 1 / SCENTRE GROUP TR	2,200,000	2,193,400	2,125,442	
BZ1DNL4	SCHAEFFLER AG PREFERENCE EUR	106,978	1,562,205	1,585,897	
BWNH4Z4	SCHAEFFLER FINANCE BV CALLABLE NOTES FIX	600,000	646,373	672,416	
BWVFKQ3	SCHIBSTED ASA COMMON STOCK NOK 0.5	21,733	443,079	462,044	
4790534	SCHIBSTED ASA COMMON STOCK NOK 0.5	21,138	462,438	486,476	
B11WWH2	SCHINDLER HOLDING AG COMMON STOCK CHF 0.	3,970	620,747	694,901	
B11TCY0	SCHINDLER HOLDING AG COMMON STOCK CHF 0.	10,289	1,677,240	1,818,177	
806851AG6	SCHLUMBERGER HOLDINGS CORP CALLABLE NOTE	9,505,000	9,643,728	9,961,145	
806851AE1	SCHLUMBERGER HOLDINGS CORP CALLABLE NOTE	1,015,000	1,013,630	1,052,037	
806851AC5	SCHLUMBERGER HOLDINGS CORP CALLABLE NOTE	1,015,000	1,012,706	1,036,467	
806857108	SCHLUMBERGER LTD COMMON STOCK USD 0.01	152,605	10,848,139	12,811,190	
4834108	SCHNEIDER ELECTRIC SE COMMON STOCK EUR 4	72,837	4,649,516	5,078,889	
791887	SCHRODER ASIAPACIFIC FUND PLC CLOSED-END	428,670	1,714,151	1,758,558	
802284	SCHRODER JAPAN GROWTH FUND PLC CLOSED-EN	959,621	1,386,035	2,258,865	
791348	SCHRODER UK GROWTH FUND PLC CLOSED-END F	258,849	652,790	532,545	
240549	SCHRODERS PLC COMMON STOCK GBP 100	5,476	198,448	202,857	
808541106	SCHWEITZER-MAUDUIT INTERNATIONAL INC COM	3,500	105,689	159,355	
B1LB9P6	SCOR SE COMMON STOCK EUR 7.876972	57,185	1,877,723	1,980,170	
Y7542C106	SCORPIO TANKERS INC COMMON STOCK USD 0.0	35,000	358,173	158,550	
782609	SCOTTISH INVESTMENT TRUST PLC/FUND CLOSE	320,962	2,455,339	3,049,828	
810186106	SCOTTS MIRACLE-GRO CO/THE COMMON STOCK U	3,615	99,627	345,413	
811065AG6	SCRIPPS NETWORKS INTERACTIVE INC CALLABL	2,728,000	2,817,942	2,759,918	
811065AF8	SCRIPPS NETWORKS INTERACTIVE INC CALLABL	1,100,000	1,113,992	1,111,627	
811065AE1	SCRIPPS NETWORKS INTERACTIVE INC CALLABL	3,425,000	3,441,121	3,432,569	
811065AB7	SCRIPPS NETWORKS INTERACTIVE INC CALLABL	750,000	747,589	760,635	
811065101	SCRIPPS NETWORKS INTERACTIVE INC COMMON	6,648	228,798	474,468	
6858474	SCSK CORP COMMON STOCK JPY	7,200	267,481	252,480	
B1L3CH5	SCUD GROUP LTD COMMON STOCK HKD 0.1	260,000	38,936	34,876	
2629971D1	SDL SOF VII CO-INV/BULLSHEAD HLDGS	100	0	15,396,729	
811707801	SEACOAST BANKING CORP OF FLORIDA COMMON	113	2,308	2,493	
81180WAP6	SEAGATE HDD CAYMAN CALLABLE BOND FIXED 3	1,250,000	1,250,000	1,280,788	
81180WAR2	SEAGATE HDD CAYMAN CALLABLE BOND FIXED 4	600,000	525,000	540,744	
81180WAH4	SEAGATE HDD CAYMAN CALLABLE BOND FIXED 4	7,808,000	6,918,031	7,739,680	
81180WAN1	SEAGATE HDD CAYMAN CALLABLE BOND FIXED 5	600,000	501,000	511,500	
81211K100	SEALED AIR CORP COMMON STOCK USD 0.1	204,379	8,507,565	9,266,544	
812578102	SEATTLE GENETICS INC COMMON STOCK USD 0.	7,740	253,161	408,440	
4792132	SEB SA COMMON STOCK EUR 1	988	133,758	134,169	
6791591	SECOM CO LTD COMMON STOCK JPY	26,858	1,446,313	1,968,382	
5554041	SECURITAS AB COMMON STOCK SEK 1	51,095	744,136	806,532	
81377JAB9	SECURITIZED ASSET BACKED RECEIVABLES LLC	273,439	273,439	90,461	
6792334	SECURITY BANK CORP COMMON STOCK PHP 10	78,860	369,579	301,401	
81413PAG0	SECURITY CAPITAL GROUP INC CALLABLE NOTE	3,140,000	4,141,660	4,141,597	
B0767Y3	SEEK LTD COMMON STOCK AUD 0	14,412	157,284	155,284	
B02RK08	SEGA SAMMY HOLDINGS INC COMMON STOCK JPY	42,564	485,877	634,619	
B5Z1N18	SEGRO PLC REIT GBP 10	134,280	732,421	760,094	
784117103	SEI INVESTMENTS CO COMMON STOCK USD 0.01	16,829	435,662	830,679	
BKY6H35	SEIBU HOLDINGS INC COMMON STOCK JPY	7,600	136,774	136,577	
6616508	SEIKO EPSON CORP COMMON STOCK JPY	124,802	2,360,500	2,648,304	
6793821	SEKISUI CHEMICAL CO LTD COMMON STOCK JPY	56,329	782,391	900,221	
6793906	SEKISUI HOUSE LTD COMMON STOCK JPY	45,348	734,600	756,416	
B13C2G9	SELCUK ECZA DEPOSU TICARET VE SANAYI A.S	39,793	35,224	34,730	
81618TAB6	SELECT INCOME REIT CALLABLE NOTES FIXED	1,890,000	1,875,069	1,893,610	
81618TAA8	SELECT INCOME REIT CALLABLE NOTES FIXED	3,200,000	3,215,523	3,213,664	
816994107	SELECT INDS TRUST L P - IBM RESTRICTED	15	1,591,585	0	
B08X163	SEMBCORP INDUSTRIES LTD COMMON STOCK SGD	43,374	81,576	85,565	
816851AZ2	SEMPRA ENERGY CALLABLE NOTES FIXED 1.625	370,000	369,623	365,231	
816851AV1	SEMPRA ENERGY CALLABLE NOTES FIXED 3.55%	2,000,000	1,994,160	2,024,020	
816851AP4	SEMPRA ENERGY CALLABLE NOTES FIXED 6% 15	11,530,000	13,459,579	13,738,572	
816851AK5	SEMPRA ENERGY CALLABLE NOTES FIXED 9.8%	17,987,000	23,943,721	20,833,982	
816851109	SEMPRA ENERGY COMMON STOCK USD 0	20,616	713,252	2,074,794	
81721M109	SENIOR HOUSING PROPERTIES TRUST REIT USD	18,907	346,767	357,910	
817998107	SENIOR LENDING ASSOC I L P - IBM	16,085,267	274,025	0	
6795203	SENKO CO LTD COMMON STOCK JPY	7,700	54,061	52,088	
N7902X106	SENSATA TECHNOLOGIES HOLDING NV COMMON S	113	4,283	4,401	
81743PBW5	SEQUOIA MORTGAGE TRUST 2003-4 2003-4 2A1	134,789	106,610	125,812	
81744FJG3	SEQUOIA MORTGAGE TRUST 2005-4 2005-4 2A1	489,838	493,482	505,513	
81746NAK4	SEQUOIA MORTGAGE TRUST 2016-3 2016-3 A10	1,956,592	2,018,959	1,993,126	
81746NAL2	SEQUOIA MORTGAGE TRUST 2016-3 2016-3 A11	10,908,003	11,153,433	10,941,239	
797379	SERCO GROUP PLC COMMON STOCK GBP 2	768,891	2,127,722	1,361,465	
81750R102	SERES THERAPEUTICS INC COMMON STOCK USD	3,860	44,612	38,214	
817565104	SERVICE CORP INTERNATIONAL/US COMMON STO	26,610	424,016	755,724	
81761R109	SERVICEMASTER GLOBAL HOLDINGS INC COMMON	23,940	866,283	901,820	
81762P102	SERVICENOW INC COMMON STOCK USD 0.001	12,596	665,504	936,387	
78413KAB8	SES GLOBAL AMERICAS HOLDINGS GP CALLABLE	1,900,000	1,820,522	1,627,179	
78413KAA0	SES GLOBAL AMERICAS HOLDINGS GP CALLABLE	3,000,000	3,001,560	2,982,840	
78413HAA7	SES SA CALLABLE NOTES FIXED 3.6% 04/APR/	4,361,000	4,247,569	4,253,719	
B00ZQQ2	SES SA RECEIPT EUR 0	14,377	318,367	317,310	
B0FS5D6	SEVEN & I HOLDINGS CO LTD COMMON STOCK J	137,891	4,662,416	5,264,531	
B2NT8S1	SEVEN BANK LTD COMMON STOCK JPY	86,200	248,187	247,584	
BRK0MM4	SEVEN GENERATIONS ENERGY LTD COMMON STOCK	57,419	1,208,955	1,340,583	
B1FH8J7	SEVERN TRENT PLC COMMON STOCK GBP 97.89	14,135	392,290	388,093	
6768614	SEWON PRECISION INDUSTRY CO LTD COMMON S	2,154	66,919	31,477	
BG3FC18	SFR GROUP SA	4,826	121,595	136,571	
67054KAA7	SFR GROUP SA CALLABLE NOTES FIXED 7.375%	3,335,000	3,345,000	3,418,375	
4824778	SGS SA	676	1,415,140	1,378,139	
BP3RX92	SHANGRI-LA ASIA LTD COMMON STOCK HKD 1	68,000	75,304	71,744	
6771032	SHANGRI-LA ASIA LTD COMMON STOCK HKD 1	138,937	154,924	146,586	
6800602	SHARP CORP/JAPAN COMMON STOCK JPY	65,000	107,101	150,469	

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	2801836	SHAW COMMUNICATIONS INC COMMON STOCK CAD	47,575	910,886	955,722
	822582BY7	SHELL INTERNATIONAL FINANCE BV CALLABLE	3,321,000	3,286,426	3,055,818
	822582BX9	SHELL INTERNATIONAL FINANCE BV CALLABLE	3,560,000	3,523,866	3,340,206
	822582BT8	SHELL INTERNATIONAL FINANCE BV CALLABLE	7,397,000	7,390,831	7,151,346
	822582BS0	SHELL INTERNATIONAL FINANCE BV CALLABLE	10,280,000	10,265,071	10,050,962
	822582BQ4	SHELL INTERNATIONAL FINANCE BV CALLABLE	35,351,000	34,688,249	33,804,747
	822582BP6	SHELL INTERNATIONAL FINANCE BV CALLABLE	2,260,000	2,247,593	2,256,859
	822582BM3	SHELL INTERNATIONAL FINANCE BV CALLABLE	3,875,000	3,870,112	3,879,379
	822582BG6	SHELL INTERNATIONAL FINANCE BV CALLABLE	715,000	713,484	714,149
	822582BF8	SHELL INTERNATIONAL FINANCE BV CALLABLE	20,747,000	20,829,763	21,016,296
	822582BE1	SHELL INTERNATIONAL FINANCE BV CALLABLE	5,535,000	5,512,856	5,651,567
	822582BD3	SHELL INTERNATIONAL FINANCE BV CALLABLE	6,685,000	6,613,905	6,679,518
	822582BA9	SHELL INTERNATIONAL FINANCE BV CALLABLE	660,000	664,435	664,415
	822582AY8	SHELL INTERNATIONAL FINANCE BV CALLABLE	11,480,000	11,505,480	11,971,688
	822582AT9	SHELL INTERNATIONAL FINANCE BV CALLABLE	1,505,000	1,376,350	1,360,625
	822582AN2	SHELL INTERNATIONAL FINANCE BV CALLABLE	4,800,000	5,144,534	5,581,872
	822582AD4	SHELL INTERNATIONAL FINANCE BV CALLABLE	5,740,000	7,185,057	7,402,189
	B0MP1B0	SHENZHOU INTERNATIONAL GROUP HOLDINGS LT	22,062	88,860	139,574
	824348AS5	SHERWIN-WILLIAMS CO/THE CALLABLE NOTES F	1,150,000	1,149,646	1,141,398
	824348AQ9	SHERWIN-WILLIAMS CO/THE CALLABLE NOTES F	2,230,000	2,128,108	2,027,739
	824348106	SHERWIN-WILLIAMS CO/THE COMMON STOCK USD	8,340	690,737	2,241,292
	6804369	SHIMADZU CORP COMMON STOCK JPY	11,418	173,739	182,281
	6804035	SHIMAMURA CO LTD COMMON STOCK JPY	2,602	317,558	325,487
	6804820	SHIMANO INC COMMON STOCK JPY	3,175	548,427	499,246
	6804400	SHIMIZU CORP COMMON STOCK JPY	143,014	983,603	1,310,773
	6820309	SHINDAEYANG PAPER CO LTD COMMON STOCK KR	781	24,869	15,713
	6804585	SHIN-ETSU CHEMICAL CO LTD COMMON STOCK J	33,596	2,543,122	2,611,694
	6397502	SHINHAN FINANCIAL GROUP CO LTD COMMON ST	57,950	2,226,516	2,171,086
	6730936	SHINSEI BANK LTD COMMON STOCK JPY	78,748	132,399	132,333
	6804682	SHIONOGI & CO LTD COMMON STOCK JPY	13,212	673,723	634,235
	B01G7F0	SHIP FINANCE INTERNATIONAL LTD COMMON ST	1,275	13,682	17,775
	B05MTR0	SHIP HEALTHCARE HOLDINGS INC COMMON STOC	8,400	246,699	216,059
	82481LAD1	SHIRE ACQUISITIONS INVESTMENTS IRELAND D	21,705,000	21,508,386	20,279,850
	82481LAC3	SHIRE ACQUISITIONS INVESTMENTS IRELAND D	12,405,000	12,313,036	11,790,332
	82481LAB5	SHIRE ACQUISITIONS INVESTMENTS IRELAND D	17,075,000	17,069,319	16,494,279
	82481LAA7	SHIRE ACQUISITIONS INVESTMENTS IRELAND D	4,820,000	4,816,096	4,758,882
	82481R106	SHIRE PLC ADR USD	9,901	1,820,679	1,686,932
	B2QKY05	SHIRE PLC COMMON STOCK GBP 5	77,032	3,657,433	4,458,446
	6805265	SHISEIDO CO LTD COMMON STOCK JPY	50,487	982,201	1,280,626
	6805328	SHIZUOKA BANK LTD/THE COMMON STOCK JPY	23,968	197,210	201,797
	B29T1W0	SHO-BOND HOLDINGS CO LTD COMMON STOCK JP	1,300	60,232	54,280
	825211105	SHORETEL INC COMMON STOCK USD 0.001	11,090	108,326	79,294
	6805544	SHOWA SHELL SEKIYU KK COMMON STOCK JPY	14,646	128,849	136,496
	6100357	SHREE CEMENT LTD COMMON STOCK INR 10	2,113	540,062	458,696
	B39Q1Y0	SIAMGAS & PETROCHEMICALS PCL NVDR THB 1	77,400	47,196	26,369
	B98XZV9	SIBANYE GOLD LTD COMMON STOCK ZAR	88,979	307,255	165,205
	5727973	SIEMENS AG COMMON STOCK EUR 0	84,612	9,620,246	10,423,758
	82620KAL7	SIEMENS FINANCIERINGSMAATSCHAPPIJ NV CAL	1,240,000	1,214,729	1,147,756
	82620KAK9	SIEMENS FINANCIERINGSMAATSCHAPPIJ NV CAL	1,350,000	1,342,386	1,273,779
	82620KAF0	SIEMENS FINANCIERINGSMAATSCHAPPIJ NV CAL	7,760,000	7,701,469	8,176,014
	82620KAC7	SIEMENS FINANCIERINGSMAATSCHAPPIJ NV CAL	1,025,000	1,023,647	1,018,778
	826418BM6	SIERRA PACIFIC POWER CO CALLABLE NOTES F	3,015,000	3,007,710	2,884,662
	826418BE4	SIERRA PACIFIC POWER CO CALLABLE NOTES F	500,000	703,993	662,805
	BYN4ZX4	SIGMA ALIMENTOS SA DE CV CALLABLE NOTES	1,520,000	1,516,914	1,444,000
	82669G104	SIGNATURE BANK/NEW YORK NY COMMON STOCK	4,217	281,137	633,393
	G81276100	SIGNET JEWELERS LTD COMMON STOCK USD 0.1	12,258	651,096	1,155,439
	4808084	SIKA AG COMMON STOCK CHF 0.6	960	3,785,015	4,620,770
	827048109	SILGAN HOLDINGS INC COMMON STOCK USD 0.0	3,019	164,228	154,512
	826919102	SILICON LABORATORIES INC COMMON STOCK US	10,047	413,808	653,055
	SIK7COS	SILVER FUTURE PRECIOUS METAL 26/MAY/2017	-1	0	4,138
*	SI27COM	SILVER FUTURE PRECIOUS METAL 27/DEC/2017	94	0	-568,331
*	SIH7COS	SILVER FUTURE PRECIOUS METAL 29/MAR/2017	-49	0	255,253
	SIH7COM	SILVER FUTURE PRECIOUS METAL 29/MAR/2017	9	0	-1,757
	B058ZX6	SILVER WHEATON CORP COMMON STOCK CAD 0	83,268	1,854,251	1,610,657
	828806109	SIMON PROPERTY GROUP INC REIT USD 0.0001	305,223	44,006,852	54,228,970
	828807CE5	SIMON PROPERTY GROUP LP CALLABLE BOND FI	950,000	1,251,768	1,267,718
	828807CZ8	SIMON PROPERTY GROUP LP CALLABLE NOTES F	3,138,000	3,118,482	3,084,434
	828807CY1	SIMON PROPERTY GROUP LP CALLABLE NOTES F	785,000	782,935	770,360
	828807CV7	SIMON PROPERTY GROUP LP CALLABLE NOTES F	1,615,000	1,604,567	1,633,346
	828807CT2	SIMON PROPERTY GROUP LP CALLABLE NOTES F	115,000	108,961	113,474
	828807CS4	SIMON PROPERTY GROUP LP CALLABLE NOTES F	1,010,000	1,030,079	1,019,413
	828807CQ8	SIMON PROPERTY GROUP LP CALLABLE NOTES F	940,000	953,435	947,642
	828807CL9	SIMON PROPERTY GROUP LP CALLABLE NOTES F	3,115,000	3,448,258	3,306,853
	828807CK1	SIMON PROPERTY GROUP LP CALLABLE NOTES F	350,000	343,371	361,851
	828807CF2	SIMON PROPERTY GROUP LP CALLABLE NOTES F	1,220,000	1,342,403	1,304,156
	6811734	SINGAPORE AIRLINES LTD COMMON STOCK SGD	140,207	1,126,641	938,466
	6303866	SINGAPORE EXCHANGE LTD COMMON STOCK SGD	35,412	179,950	175,504
	B012899	SINGAPORE PRESS HOLDINGS LTD COMMON STOC	70,534	187,223	172,344
	6043214	SINGAPORE TECHNOLOGIES ENGINEERING LTD C	68,839	151,944	153,907
	B02PY22	SINGAPORE TELECOMMUNICATIONS LTD COMMON	351,123	956,929	887,104
	6810429	SINO LAND CO LTD COMMON STOCK HKD 0	629,402	1,017,592	943,314
	B92NYC9	SINOPEC ENGINEERING GROUP CO LTD COMMON	450,000	387,543	375,525
	82937WAE5	SINOPEC GROUP OVERSEAS DEVELOPMENT 2014	660,000	658,462	685,846
	82938BAE0	SINOPEC GROUP OVERSEAS DEVELOPMENT 2015	880,000	880,000	817,590
	6797458	SINOPEC SHANGHAI PETROCHEMICAL CO LTD CO	1,442,000	646,167	781,153
	B3ZVDV0	SINOPHARM GROUP CO LTD COMMON STOCK HKD	284,400	1,417,097	1,171,986
	B296ZH4	SINOTRUK HONG KONG LTD COMMON STOCK HKD	588,500	325,207	419,753
	82968B103	SIRIUS XM HOLDINGS INC COMMON STOCK USD	156,804	209,740	697,778
	82967NAU2	SIRIUS XM RADIO INC CALLABLE NOTES FIXED	2,600,000	2,537,575	2,587,000

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B05N809	SISTEMA PJSC FC GDR USD	10,478	240,736	94,302
48122U204	SISTEMA PJSC FC GDR USD	56,619	471,040	509,571
83001A102	SIX FLAGS ENTERTAINMENT CORP COMMON STOC	15,081	593,075	904,257
BP3RQT3	SJM HOLDINGS LTD COMMON STOCK HKD 0	374,000	301,754	293,290
B2NR3Y6	SJM HOLDINGS LTD COMMON STOCK HKD 0	88,000	61,717	69,009
6450267	SK HYNIX INC COMMON STOCK KRW 5000	140,173	5,330,976	5,187,724
B232R05	SK INNOVATION CO LTD COMMON STOCK KRW 50	20,172	2,185,670	2,446,761
4813345	SKANDINAVISKA ENSKILDA BANKEN AB COMMON	122,073	1,371,112	1,283,939
83051GAE8	SKANDINAVISKA ENSKILDA BANKEN AB MEDIUM	1,260,000	1,253,624	1,260,907
83051GAC2	SKANDINAVISKA ENSKILDA BANKEN AB MEDIUM	3,200,000	3,197,312	3,208,224
830505AT0	SKANDINAVISKA ENSKILDA BANKEN AB NOTES F	720,000	716,926	696,290
830505AP8	SKANDINAVISKA ENSKILDA BANKEN AB NOTES F	6,350,000	6,323,190	6,338,824
7142091	SKANSKA AB COMMON STOCK SEK 0	79,504	1,661,432	1,882,451
830566105	SKECHERS U.S.A. INC COMMON STOCK USD 0.0	10,430	367,210	256,369
B1Q3J35	SKF AB COMMON STOCK SEK 2.5	42,996	737,668	793,225
B1TK234	SKY PERFECT JSAT HOLDINGS INC COMMON STO	34,700	164,602	160,060
141192	SKY PLC COMMON STOCK GBP 50	154,565	1,816,988	1,892,693
83088M102	SKYWORKS SOLUTIONS INC COMMON STOCK USD	21,278	752,598	1,588,615
6228828	SKYWORTH DIGITAL HOLDINGS LTD COMMON STO	978,000	668,334	557,549
78440X101	SL GREEN REALTY CORP REIT USD 0.01	7,740	450,770	832,437
784420AP6	SLC STUDENT LOAN TRUST 2005-3 2005-3 A3	384,000	376,500	376,587
784424AD5	SLC STUDENT LOAN TRUST 2007-1 2007-1 A4	836,220	814,661	814,280
784422AB3	SLC STUDENT LOAN TRUST 2007-2 2007-2 A2	150,728	151,158	149,781
SLHOPNTA4	SLH OPEN POSITION NET ASSET	6,406	0	2,633
78442FEH7	SLM CORP CALLABLE MEDIUM TERM NOTE FIXED	2,898,000	3,092,930	3,122,595
78442P106	SLM CORP COMMON STOCK USD 0.2	51,779	397,309	570,605
78446XAB1	SLM PRIVATE EDUCATION LOAN TRUST 2012-B	279,998	290,279	283,711
78447RAC1	SLM PRIVATE EDUCATION LOAN TRUST 2013-A	472,000	468,889	475,469
78447RAB3	SLM PRIVATE EDUCATION LOAN TRUST 2013-A	7,918,000	7,911,272	7,892,462
78447RAA5	SLM PRIVATE EDUCATION LOAN TRUST 2013-A	97,912	98,048	97,971
78447VAC2	SLM PRIVATE EDUCATION LOAN TRUST 2013-B	119,000	119,214	119,653
78447VAB4	SLM PRIVATE EDUCATION LOAN TRUST 2013-B	691,000	679,530	687,359
78447VAA6	SLM PRIVATE EDUCATION LOAN TRUST 2013-B	113,511	113,506	113,559
78447XAB0	SLM PRIVATE EDUCATION LOAN TRUST 2013-C	346,000	348,507	350,038
78448DAC1	SLM PRIVATE EDUCATION LOAN TRUST 2014-A	214,000	214,535	215,832
78448DAB3	SLM PRIVATE EDUCATION LOAN TRUST 2014-A	406,000	406,000	407,021
78442GNJ1	SLM STUDENT LOAN TRUST 2004-10 2004-10 A	492,000	471,551	484,476
78442GNG7	SLM STUDENT LOAN TRUST 2004-10 2004-10 A	868,000	864,067	864,365
78442GLH7	SLM STUDENT LOAN TRUST 2004-3 2004-3 A5	631,752	627,902	629,351
78442GPL4	SLM STUDENT LOAN TRUST 2005-4 2005-4 B F	258,572	223,534	221,568
78442GPP5	SLM STUDENT LOAN TRUST 2005-5 2005-5 A3	44,614	44,377	44,421
78442GPQ3	SLM STUDENT LOAN TRUST 2005-5 2005-5 A4	1,048,000	1,019,149	1,020,364
78442GPY6	SLM STUDENT LOAN TRUST 2005-6 2005-6 A6	1,248,000	1,187,884	1,217,008
78442GQJ8	SLM STUDENT LOAN TRUST 2005-7 2005-7 A4	566,000	551,143	551,105
78442GSD9	SLM STUDENT LOAN TRUST 2006-3 2006-3 A5	860,000	827,373	832,402
78443XAC2	SLM STUDENT LOAN TRUST 2007-2 2007-2 A3	306,781	303,809	303,980
78443XAD0	SLM STUDENT LOAN TRUST 2007-2 2007-2 A4	1,108,000	1,037,278	1,047,915
78443XAE8	SLM STUDENT LOAN TRUST 2007-2 2007-2 B F	336,000	294,840	273,877
78443YAC0	SLM STUDENT LOAN TRUST 2007-3 2007-3 A3	1,033,910	1,023,454	1,022,954
78443FAE7	SLM STUDENT LOAN TRUST 2007-5 2007-5 A5	480,252	476,656	478,697
78445JAA5	SLM STUDENT LOAN TRUST 2008-9 2008-9 A F	9,497,964	9,459,426	9,510,245
78446WAC1	SLM STUDENT LOAN TRUST 2012-1 2012-1 A3	154,000	152,027	152,253
78446YAA1	SLM STUDENT LOAN TRUST 2012-2 2012-2 A F	669,547	655,005	656,761
78447GAC5	SLM STUDENT LOAN TRUST 2012-6 2012-6 A3	623,000	630,106	603,428
78447GAD3	SLM STUDENT LOAN TRUST 2012-6 2012-6 B F	203,000	182,533	180,280
78447MAD0	SLM STUDENT LOAN TRUST 2013-1 2013-1 B F	214,000	206,429	206,935
78447YAD4	SLM STUDENT LOAN TRUST 2013-3 2013-3 B F	255,000	236,490	238,348
78448CAG4	SLM STUDENT LOAN TRUST 2013-6 2013-6 A3	867,000	833,370	859,801
78448GAC4	SLM STUDENT LOAN TRUST 2014-2 2014-2 A3	563,000	545,916	558,470
78454L100	SM ENERGY CO COMMON STOCK USD 0.01	6,794	265,762	234,257
B068DB9	SM INVESTMENTS CORP COMMON STOCK PHP 10	49,200	700,690	648,247
B3B20H2	SMA SOLAR TECHNOLOGY AG COMMON STOCK EUR	3,545	123,001	93,907
83162CLA9	SMALL BUSINESS ADMINISTRATION PARTICIPAT	79,588	79,588	82,959
83162CKZ5	SMALL BUSINESS ADMINISTRATION PARTICIPAT	70,145	70,145	72,949
BZ22BK5	SMART REAL ESTATE INVESTMENT TRUST REIT	7,391	162,287	177,962
78448PAC4	SMB PRIVATE EDUCATION LOAN TRUST 2015-A	673,000	673,433	675,854
78448PAB6	SMB PRIVATE EDUCATION LOAN TRUST 2015-A	835,000	832,937	825,663
78448QAC2	SMB PRIVATE EDUCATION LOAN TRUST 2015-B	644,000	640,585	653,540
78448QAB4	SMB PRIVATE EDUCATION LOAN TRUST 2015-B	385,000	382,660	389,319
78448RAC0	SMB PRIVATE EDUCATION LOAN TRUST 2015-C	339,000	337,368	344,886
78448RAB2	SMB PRIVATE EDUCATION LOAN TRUST 2015-C	414,000	411,609	414,464
78449FAC5	SMB PRIVATE EDUCATION LOAN TRUST 2016-A	899,000	899,000	922,416
78449FAB7	SMB PRIVATE EDUCATION LOAN TRUST 2016-A	1,177,000	1,176,499	1,168,535
78449GAC3	SMB PRIVATE EDUCATION LOAN TRUST 2016-B	859,000	859,000	879,546
78449GAB5	SMB PRIVATE EDUCATION LOAN TRUST 2016-B	1,340,000	1,339,520	1,311,120
78449KAC4	SMB PRIVATE EDUCATION LOAN TRUST 2016-C	988,000	988,000	993,279
78449KAB6	SMB PRIVATE EDUCATION LOAN TRUST 2016-C	1,402,000	1,401,307	1,378,666
6763965	SMC CORP/JAPAN COMMON STOCK JPY	5,567	1,449,729	1,331,908
B97PY2	SMILES SA COMMON STOCK BRL	34,100	524,615	468,643
83175M205	SMITH & NEPHEW PLC ADR USD	11,281	376,805	339,332
922320	SMITH & NEPHEW PLC COMMON STOCK GBP 0.2	59,995	727,396	905,162
B1WY233	SMITHS GROUP PLC COMMON STOCK GBP 37.5	56,575	1,014,453	989,882
7251470	SNAM SPA COMMON STOCK EUR 0	422,398	1,741,733	1,743,782
833034101	SNAP-ON INC COMMON STOCK USD 1	4,596	133,932	787,157
B036VZ3	SNC FORMER PCL NVDR THB 1	37,800	17,785	15,833
2763884	SNC-LAVALIN GROUP INC COMMON STOCK CAD 0	17,160	713,169	739,478
5298781	SOCIETE BIC SA COMMON STOCK EUR 3.82	2,118	282,919	288,516
83368JG4	SOCIETE GENERALE SA CALLABLE NOTES VARIA	200,000	200,000	199,664
5966516	SOCIETE GENERALE SA COMMON STOCK EUR 1.2	114,906	4,457,641	5,665,359

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	83368RAF9	SOCIETE GENERALE SA MEDIUM TERM NOTE FIX	1,510,000	1,512,612	1,510,770
	83367TBT5	SOCIETE GENERALE SA NOTES FIXED 5.625% 2	1,005,000	995,362	1,039,894
	7062713	SODEXO SA COMMON STOCK EUR 4	9,673	1,041,426	1,114,124
	78469PAB0	SOFI PROFESSIONAL LOAN PROGRAM 2016-A LL	508,411	519,717	510,778
	83404LAC5	SOFI PROFESSIONAL LOAN PROGRAM 2016-D LL	415,000	414,948	406,516
	83404LAB7	SOFI PROFESSIONAL LOAN PROGRAM 2016-D LL	387,851	387,831	387,359
	83404LAA9	SOFI PROFESSIONAL LOAN PROGRAM 2016-D LL	194,742	195,381	194,730
	78470RAC1	SOFI PROFESSIONAL LOAN PROGRAM 2016-E LL	3,250,000	3,243,515	3,224,420
	78470RAB3	SOFI PROFESSIONAL LOAN PROGRAM 2016-E LL	367,000	366,975	366,068
	78470RAA5	SOFI PROFESSIONAL LOAN PROGRAM 2016-E LL	922,000	922,000	923,394
	6770620	SOFTBANK GROUP CORP COMMON STOCK JPY	82,561	5,110,933	5,496,516
	4755135	SOFTWARE AG COMMON STOCK EUR 0	10,401	395,360	378,316
	6546359	SOHGO SECURITY SERVICES CO LTD COMMON ST	3,500	146,621	134,887
	83408W103	SOHU.COM INC COMMON STOCK USD 0.001	895	36,296	30,332
	6594143	SOJITZ CORP COMMON STOCK JPY	224,200	395,159	545,915
	BZ45Y35	SOLVAY FINANCE AMERICA LLC CALLABLE NOTE	900,000	905,220	915,741
	834423AA3	SOLVAY FINANCE AMERICA LLC CALLABLE NOTE	1,585,000	1,584,778	1,612,722
	4821100	SOLVAY SA COMMON STOCK EUR 15	16,868	1,964,298	1,981,086
	B62G7K6	SOMPO HOLDINGS INC COMMON STOCK JPY	69,168	2,053,986	2,348,397
	6821120	SONIC HEALTHCARE LTD COMMON STOCK AUD 0	17,289	275,625	267,906
	835495102	SONOCO PRODUCTS CO COMMON STOCK USD 0	7,994	158,666	421,284
	7156036	SONOVA HOLDING AG COMMON STOCK CHF 0.05	9,503	1,062,127	1,153,805
	835699307	SONY CORP ADR USD	31,392	900,013	879,918
	6821506	SONY CORP COMMON STOCK JPY	68,587	2,111,725	1,925,858
	B249SN5	SONY FINANCIAL HOLDINGS INC COMMON STOCK	25,400	346,555	397,219
	12099GQ04	SOROS REI/BULLSHEAD LLC	100	0	29,964
	ZAR	SOUTH AFRICAN RAND		112,464	114,201
	837004CK4	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	1,550,000	1,546,807	1,534,237
	837004CJ7	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	5,160,000	5,118,359	5,657,579
	837004CH1	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	1,740,000	1,714,122	1,715,275
	837004CG3	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	3,060,000	3,032,428	3,216,244
	837004CF5	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	5,831,000	5,794,774	5,910,943
	837004CE8	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	950,000	995,430	1,100,366
	837004CB4	SOUTH CAROLINA ELECTRIC & GAS CO CALLABL	1,500,000	2,007,000	1,854,765
	BWSV5D9	SOUTH32 LTD COMMON STOCK AUD 0	738,723	1,115,762	1,471,001
	841338106	SOUTHEAST BANKING CORP COM STK USD0.01	2,000	0	2
	842329AA2	SOUTHERN BAPTIST HOSPITAL OF FLORIDA INC	1,710,000	1,710,000	1,847,809
	842400GE7	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	2,995,000	3,032,587	2,832,971
	842400GD9	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	1,330,000	1,329,907	1,326,183
	842400FZ1	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	13,020,000	13,174,939	14,357,154
	842400FW8	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	6,280,000	6,153,656	6,176,003
	842400FV0	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	2,225,000	2,198,701	2,242,689
	842400FT5	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	1,875,000	1,920,203	1,851,563
	842400FP3	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	5,700,000	7,307,616	6,855,618
	842400FL2	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	1,360,000	1,758,615	1,742,514
	842400FH1	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	4,050,000	4,254,100	5,085,504
	842400FF5	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	800,000	895,336	955,904
	842400FC2	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	1,000,000	922,392	1,200,050
	842400FA6	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	475,000	427,828	556,814
	842400EZ2	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	1,000,000	1,216,110	1,207,230
	842400EV1	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	500,000	647,742	605,030
	842400ES8	SOUTHERN CALIFORNIA EDISON CO CALLABLE B	3,301,000	4,086,000	4,081,819
	842400FQ1	SOUTHERN CALIFORNIA EDISON CO CALLABLE N	2,255,000	2,270,197	2,403,469
	842400EB5	SOUTHERN CALIFORNIA EDISON CO CALLABLE N	1,000,000	1,284,684	1,239,700
	842434CQ3	SOUTHERN CALIFORNIA GAS CO CALLABLE BOND	540,000	538,952	518,422
	842434CL4	SOUTHERN CALIFORNIA GAS CO CALLABLE BOND	445,000	489,398	472,176
	842434CK6	SOUTHERN CALIFORNIA GAS CO CALLABLE BOND	1,960,000	1,930,218	1,914,528
	842434CJ9	SOUTHERN CALIFORNIA GAS CO CALLABLE BOND	1,850,000	2,305,877	2,126,853
	8426EPAB4	SOUTHERN CO GAS CAPITAL CORP CALLABLE NO	2,805,000	2,800,035	2,595,523
	8426EPAA6	SOUTHERN CO GAS CAPITAL CORP CALLABLE NO	480,000	479,626	460,368
	001192AM5	SOUTHERN CO GAS CAPITAL CORP CALLABLE NO	1,556,000	1,549,745	1,518,329
	001192AK9	SOUTHERN CO GAS CAPITAL CORP CALLABLE NO	6,640,000	6,441,958	6,565,765
	842587CQ8	SOUTHERN CO/THE CALLABLE NOTES FIXED 1.8	1,795,000	1,794,659	1,789,436
	842587CL9	SOUTHERN CO/THE CALLABLE NOTES FIXED 2.1	1,740,000	1,731,528	1,740,209
	842587CS4	SOUTHERN CO/THE CALLABLE NOTES FIXED 2.3	6,460,000	6,451,214	6,350,245
	842587CU9	SOUTHERN CO/THE CALLABLE NOTES FIXED 2.9	840,000	839,286	829,156
	842587CV7	SOUTHERN CO/THE CALLABLE NOTES FIXED 3.2	2,600,000	2,590,588	2,530,398
	842587CW5	SOUTHERN CO/THE CALLABLE NOTES FIXED 4.2	4,842,000	4,884,520	4,815,272
	842587CX3	SOUTHERN CO/THE CALLABLE NOTES FIXED 4.4	24,232,000	24,278,146	23,968,356
	842587CY1	SOUTHERN CO/THE CALLABLE NOTES VARIABLE	11,575,000	11,575,000	11,702,904
	842587107	SOUTHERN CO/THE COMMON STOCK USD 5	126,175	4,206,193	6,206,548
	84265VAJ4	SOUTHERN COPPER CORP CALLABLE NOTES FIXE	20,495,000	19,353,886	20,120,556
	84265VAG0	SOUTHERN COPPER CORP CALLABLE NOTES FIXE	11,667,000	10,416,385	10,689,072
	84265VAE5	SOUTHERN COPPER CORP CALLABLE NOTES FIXE	7,175,000	7,436,029	7,741,179
	84265VAA3	SOUTHERN COPPER CORP CALLABLE NOTES FIXE	2,140,000	2,661,871	2,471,486
	84265V105	SOUTHERN COPPER CORP COMMON STOCK USD 0.	6,778	174,078	216,489
	843452AZ6	SOUTHERN NATURAL GAS CO LLC CALLABLE NOT	3,900,000	4,337,730	4,882,956
	843646AN0	SOUTHERN POWER CO CALLABLE NOTES FIXED 1	3,640,000	3,637,889	3,649,610
	843646AU4	SOUTHERN POWER CO CALLABLE NOTES FIXED 4	2,095,000	2,064,848	2,041,452
	843646AJ9	SOUTHERN POWER CO CALLABLE NOTES FIXED 5	6,255,000	6,337,634	6,296,783
	843646AH3	SOUTHERN POWER CO CALLABLE NOTES FIXED 5	4,410,000	4,434,967	4,441,311
	844741BB3	SOUTHWEST AIRLINES CO CALLABLE NOTES FIX	5,980,000	5,991,589	5,995,129
	844741108	SOUTHWEST AIRLINES CO COMMON STOCK USD 1	73,251	1,521,082	3,650,830
	844895AX0	SOUTHWEST GAS CORP CALLABLE NOTES FIXED	1,660,000	1,654,987	1,489,800
	845437BN1	SOUTHWESTERN ELECTRIC POWER CO CALLABLE	2,440,000	2,432,535	2,272,738
	845467AH2	SOUTHWESTERN ENERGY CO CALLABLE NOTES FI	345,000	348,122	325,956
	845467109	SOUTHWESTERN ENERGY CO COMMON STOCK USD	200,211	2,476,390	2,166,283
	845743BQ5	SOUTHWESTERN PUBLIC SERVICE CO CALLABLE	6,060,000	5,774,147	5,439,638
	845743BN2	SOUTHWESTERN PUBLIC SERVICE CO CALLABLE	1,155,000	1,203,244	1,221,205

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	845743BL6	SOUTHWESTERN PUBLIC SERVICE CO CALLABLE	1,490,000	1,552,059	1,786,257
	S0K7COM	SOYBEAN FUTURE SOY 12/MAY/2017 S K7 COMD	5	0	-7,739
	S0H7COS	SOYBEAN FUTURE SOY 14/MAR/2017 S H7 COMD	-10	0	4,960
*	S0H7COM	SOYBEAN FUTURE SOY 14/MAR/2017 S H7 COMD	149	0	-297,120
	S0X7COS	SOYBEAN FUTURE SOY 14/NOV/2017 S X7 COMD	-266	0	-227,428
	SMK7COS	SOYBEAN MEAL FUTR SOY 12/MAY/2017 SMK7 C	-161	0	-186,928
	SMZ7COS	SOYBEAN MEAL FUTR SOY 14/DEC/2017 SMZ7 C	-55	0	9,620
	SMN7COM	SOYBEAN MEAL FUTR SOY 14/JUL/2017 SMN7 C	55	0	-10,060
*	SMH7COS	SOYBEAN MEAL FUTR SOY 14/MAR/2017 SMH7 C	-101	0	41,509
	SMH7COM	SOYBEAN MEAL FUTR SOY 14/MAR/2017 SMH7 C	153	0	150,944
*	BON7COM	SOYBEAN OIL FUTR SOY 14/JUL/2017 BON7 CO	216	0	-102,035
*	BOH7COS	SOYBEAN OIL FUTR SOY 14/MAR/2017 BOH7 CO	-497	0	889,685
	BOH7COM	SOYBEAN OIL FUTR SOY 14/MAR/2017 BOH7 CO	20	0	-8,497
	6881436	SPARK NEW ZEALAND LTD COMMON STOCK NZD 0	575,253	1,388,700	1,367,832
	78462F103	SPDR S&P500 ETF TRUST ETP USD	7,392	1,640,974	1,652,334
	26439RAH9	SPECTRA ENERGY CAPITAL LLC CALLABLE NOTE	323,000	405,549	367,380
	847560109	SPECTRA ENERGY CORP COMMON STOCK EUR 0.0	63,339	966,732	2,602,600
	84756NAH2	SPECTRA ENERGY PARTNERS LP CALLABLE NOTE	4,385,000	4,379,080	4,194,121
	84756NAG4	SPECTRA ENERGY PARTNERS LP CALLABLE NOTE	730,000	730,553	694,121
	84756NAE9	SPECTRA ENERGY PARTNERS LP CALLABLE NOTE	1,685,000	1,747,575	1,907,032
	84756NAD1	SPECTRA ENERGY PARTNERS LP CALLABLE NOTE	3,350,000	3,605,102	3,556,528
	330860	SPECTRIS PLC COMMON STOCK GBP 5	54,235	1,498,798	1,550,068
	84763R101	SPECTRUM BRANDS HOLDINGS INC COMMON STOC	2,001	176,636	244,782
	XPH7IDX	SPI 200 FUTURES EQUITY INDEX 16/MAR/2017	4	0	8,588
	505597AC8	SPIRE INC CALLABLE NOTES VARIABLE 15/AUG	2,000,000	2,000,000	2,000,600
	848574109	SPIRIT AEROSYSTEMS HOLDINGS INC COMMON S	147,618	6,697,920	8,613,510
	848577102	SPIRIT AIRLINES INC COMMON STOCK USD 0.0	5,687	358,186	329,050
	84858EAA4	SPIRIT AIRLINES PASS THROUGH TRUST 2015-	1,174,536	1,174,536	1,195,090
	84860W102	SPIRIT REALTY CAPITAL INC REIT USD 0.01	68,496	810,976	743,867
	84861TAA6	SPIRIT REALTY LP CALLABLE NOTES FIXED 4.	535,000	531,672	504,157
	848637104	SPLUNK INC COMMON STOCK USD 0.001	10,430	476,241	533,495
	BMJJMM7	SPOTLESS GROUP HOLDINGS LTD COMMON STOCK	245,146	205,746	175,735
	85172FAJ8	SPRINGLEAF FINANCE CORP CALLABLE NOTES F	500,000	500,000	543,750
	85172FAD1	SPRINGLEAF FINANCE CORP CALLABLE NOTES F	500,000	505,625	527,500
	85171RAA2	SPRINGLEAF FINANCE CORP MEDIUM TERM NOTE	300,000	318,000	312,840
	852060AT9	SPRINT CAPITAL CORP CALLABLE NOTES FIXED	7,435,000	7,901,226	8,178,500
	852060AG7	SPRINT CAPITAL CORP CALLABLE NOTES FIXED	800,000	814,000	847,000
	852060AD4	SPRINT CAPITAL CORP CALLABLE NOTES FIXED	100,000	76,500	98,750
	852061AP5	SPRINT COMMUNICATIONS INC CALLABLE NOTES	500,000	588,750	505,625
	85207UAH8	SPRINT CORP CALLABLE NOTES FIXED 7.125%	1,000,000	1,000,000	1,027,500
	85207UAF2	SPRINT CORP CALLABLE NOTES FIXED 7.875%	2,000,000	2,210,000	2,135,000
	85207U105	SPRINT CORP COMMON STOCK USD 0.01	60,711	762,698	511,187
	852061AS9	SPRINT NEXTEL CORP CALLABLE NOTES FIXED	1,100,000	797,500	1,108,250
	85208NAA8	SPRINT SPECTRUM CO LLC / SPRINT SPECTRUM	16,296,000	16,325,622	16,326,474
	85208M102	SPROUTS FARMERS MARKET INC COMMON STOCK	14,341	396,655	271,332
	784635104	SPX CORP COMMON STOCK USD 0.01	100	2,479	2,372
	78469XAD9	SPX FLOW INC CALLABLE NOTES FIXED 5.625%	554,000	554,000	558,155
	852234103	SQUARE INC COMMON STOCK USD 0.000001	4,157	45,630	56,660
	B03CQB5	SRIKALAHASTHI PIPES LTD COMMON STOCK INR	27,644	125,629	108,629
	78467J100	SS&C TECHNOLOGIES HOLDINGS INC COMMON ST	13,549	452,176	387,501
	790873	SSE PLC COMMON STOCK GBP 50	119,945	2,501,670	2,301,702
	BNGWY42	SSP GROUP PLC COMMON STOCK GBP 1	298,897	1,307,561	1,430,054
	766937	ST JAMES'S PLACE PLC COMMON STOCK GBP 15	84,276	1,054,920	1,055,935
	790849103	ST JUDE MEDICAL INC COMMON STOCK EUR 0.1	26,349	475,594	2,112,926
	790849AM5	ST JUDE MEDICAL LLC CALLABLE NOTES FIXED	515,000	514,763	517,889
	790849AK9	ST JUDE MEDICAL LLC CALLABLE NOTES FIXED	5,275,000	5,256,864	5,163,170
	BMM1PP4	STABILUS SA COMMON STOCK EUR 0.01	14,123	650,631	760,304
	85235XAC9	STADSHYPOTEK AB BOND FIXED 1.875% 02/OCT	555,000	561,915	552,147
	B6YTL9	STAGECOACH GROUP PLC COMMON STOCK GBP 0.	232,521	803,157	621,174
	B030GJ7	STANDARD BANK GROUP LTD COMMON STOCK ZAR	194,850	1,982,983	2,162,229
	853254BA7	STANDARD CHARTERED PLC CALLABLE BOND VAR	520,000	524,550	518,700
	853254AA8	STANDARD CHARTERED PLC CALLABLE BOND VAR	300,000	301,650	229,500
	408284	STANDARD CHARTERED PLC COMMON STOCK GBP	289,351	2,812,364	2,372,613
	853254BF6	STANDARD CHARTERED PLC MEDIUM TERM NOTE	247,000	245,558	234,213
	853254AN0	STANDARD CHARTERED PLC NOTES FIXED 5.7%	1,980,000	1,981,342	1,977,505
	853496AA5	STANDARD INDUSTRIES INC/NJ CALLABLE NOTE	1,000,000	1,000,000	1,042,500
	BVFD7Q5	STANDARD LIFE PLC COMMON STOCK GBP 12.22	100,247	489,093	460,797
	854502101	STANLEY BLACK & DECKER INC COMMON STOCK	20,977	1,110,319	2,405,852
	6841106	STANLEY ELECTRIC CO LTD COMMON STOCK JPY	6,330	175,693	173,399
	855030102	STAPLES INC COMMON STOCK USD 0.0006	202,509	2,033,180	1,832,706
	BD4DCB0	STAR PETROLEUM REFINING PCL NVDR THB 6.9	738,500	236,756	255,718
	855244AH2	STARBUCKS CORP CALLABLE NOTES FIXED 4.3%	1,010,000	1,077,422	1,060,641
	855244109	STARBUCKS CORP COMMON STOCK USD 0.001	123,396	1,023,727	6,850,946
	B1CNDB5	STARHUB LTD COMMON STOCK SGD 0	26,700	59,312	51,933
	6205854	STARK TECHNOLOGY INC COMMON STOCK TWD 10	37,000	32,120	31,571
	855541AA6	STARM MORTGAGE LOAN TRUST 2007-S1 2007-S	4,104,423	3,033,662	3,804,699
	B292RC1	START TODAY CO LTD COMMON STOCK JPY	7,800	131,435	135,021
	855992798	STARWOOD DEBT II MANAGEMENT LP	100	0	149,188
	855999629	STARWOOD DISTRESSED OPPORTUNITY FUND IX-	100	49,119,729	83,391,258
	852995810	STARWOOD GBL VI-BHEAD LLC COM SHARES	100	6,812,922	5,680,391
	85599S908	STARWOOD GL OP FUND VII-A/1133 WEST	100	52,791,033	31,394,685
	852991363	STARWOOD GOLF-BULLSHEAD LLC	100	9,182,341	84,245
	85299F958	STARWOOD INTERNATIONAL OPPORTUNITY FUND	100	5,258,354	7,259,292
	855999637	STARWOOD INTERNATIONAL OPPORTUNITY FUND	100	0	26,954,517
	852997X67	STARWOOD INTL. VI-F/BHEAD HOLDINGS	100	28,891,301	5,052,339
	855995205	STARWOOD MEZZANINE INVTs L P-IBM	31,436,387	10,306,904	0
	855995981	STARWOOD OPPORTUNITY FD IV L P IBM LP SHA	4,640,614	0	67,493
	856990922	STARWOOD OPPORTUNITY FUND X US LP	100	18,770,912	24,269,583
	85571B105	STARWOOD PROPERTY TRUST INC REIT USD 0.0	105,901	2,163,206	2,324,527

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	852996750	STARWOOD US OPP VIII-1/C JEWELL	100	0	26,651,534
	4651387N9	STATE OF ISRAEL BOND FIXED 4.5% 30/JAN/2	410,000	430,976	408,770
	74727PAU5	STATE OF QATAR BOND FIXED 3.25% 02/JUN/2	395,000	390,904	381,017
	74727PAV3	STATE OF QATAR BOND FIXED 4.625% 02/JUN/	11,939,000	12,004,886	11,923,957
	74727PAT8	STATE OF QATAR CALLABLE BOND FIXED 2.375	8,555,000	8,464,210	8,368,244
	857477103	STATE STREET CORP COMMON STOCK USD 1	36,321	1,774,964	2,822,868
	857477AV5	STATE STREET CORP NOTES FIXED 1.95% 19/M	2,665,000	2,663,614	2,611,487
	857477AS2	STATE STREET CORP NOTES FIXED 2.55% 18/A	339,000	338,227	342,421
	857477AL7	STATE STREET CORP NOTES FIXED 3.1% 15/MA	2,020,000	1,893,669	2,016,041
	857477AM5	STATE STREET CORP NOTES FIXED 3.7% 20/NO	315,000	328,328	327,937
	85771P102	STATOIL ASA ADR USD	22,882	385,852	417,368
	24820RAG3	STATOIL ASA CALLABLE BOND FIXED 6.5% 01/	1,915,000	2,518,943	2,435,171
	85771PAW2	STATOIL ASA CALLABLE NOTES FIXED 2.25% 0	600,000	599,748	604,980
	85771PAK8	STATOIL ASA CALLABLE NOTES FIXED 2.65% 1	505,000	469,448	495,698
	85771PAV4	STATOIL ASA CALLABLE NOTES FIXED 2.75% 1	985,000	978,568	994,820
	85771PAL6	STATOIL ASA CALLABLE NOTES FIXED 3.95% 1	1,710,000	1,727,523	1,631,066
	85771PAE2	STATOIL ASA CALLABLE NOTES FIXED 4.25% 2	280,000	260,590	279,462
	85771PAQ5	STATOIL ASA CALLABLE NOTES FIXED 4.8% 08	9,700,000	9,651,112	10,544,967
	85771PAC6	STATOIL ASA CALLABLE NOTES FIXED 5.1% 17	725,000	779,133	807,889
	7133608	STATOIL ASA COMMON STOCK NOK 2.5	103,147	2,173,947	1,898,124
	858119100	STEEL DYNAMICS INC COMMON STOCK USD 0.00	25,195	523,968	896,438
	858155AD6	STEELCASE INC CALLABLE NOTES FIXED 6.375	3,050,000	3,402,069	3,409,046
	858155203	STEELCASE INC COMMON STOCK USD 0	2,300	30,227	41,170
	BZ56LK4	STEINHOFF INTERNATIONAL HOLDINGS NV COMM	259,841	1,588,985	1,354,403
	B1Z6560	STELLA INTERNATIONAL HOLDINGS LTD COMMON	26,237	65,608	42,301
	858912108	STERICYCLE INC COMMON STOCK USD 0.01	9,048	418,251	697,058
	G84720104	STERIS PLC COMMON STOCK USD	100	6,596	6,739
	AAJ9980B8	STERIS PLS	5,000,000	5,000,000	4,992,100
	AAJ9976B4	STERIS PLS	3,000,000	3,000,000	3,004,470
	860630AD4	STIFEL FINANCIAL CORP CALLABLE BOND FIXE	1,000,000	991,960	993,130
	5962343	STMICROELECTRONICS NV COMMON STOCK EUR 1	155,560	1,192,965	1,772,031
	5962332	STMICROELECTRONICS NV COMMON STOCK EUR 1	28,074	253,832	319,059
	861012102	STMICROELECTRONICS NV NY REG SHRS USD	130,850	797,173	1,485,148
	6850856	STOCKLAND REIT AUD 0	412,800	1,322,593	1,369,001
	5072673	STORA ENSO OYJ COMMON STOCK EUR 0	193,603	1,739,630	2,084,910
	862121100	STORE CAPITAL CORP REIT USD 0.01	12,107	336,400	299,164
	863990998	STRATEGIC PARTNERS FUND VI LP	100	22,465,771	33,863,333
	AAE9926H7	STRATEGIC PARTNERS FUND VII, L.P.	100	2,320,711	3,387,713
	86364DAA8	STRUCTURED ADJUSTABLE RATE MORTGAGE LOAN	1,662,833	1,010,512	1,352,275
	86363LAB9	STRUCTURED ADJUSTABLE RATE MORTGAGE LOAN	1,518,528	1,518,112	1,276,175
	863579VM7	STRUCTURED ADJUSTABLE RATE MORTGAGE LOAN	57,046	56,261	52,226
	863579FW3	STRUCTURED ADJUSTABLE RATE MORTGAGE LOAN	1,419,113	1,383,083	1,394,464
	86360KAE8	STRUCTURED ASSET MORTGAGE INVESTMENTS II	2,394,769	2,394,769	1,838,500
	86359LPF0	STRUCTURED ASSET MORTGAGE INVESTMENTS II	140,085	137,458	135,338
	86359LPE3	STRUCTURED ASSET MORTGAGE INVESTMENTS II	184,495	181,035	178,894
	86359LPD5	STRUCTURED ASSET MORTGAGE INVESTMENTS II	304,049	298,380	271,390
	86359LJA8	STRUCTURED ASSET MORTGAGE INVESTMENTS II	789,058	789,058	690,183
	86359LDX4	STRUCTURED ASSET MORTGAGE INVESTMENTS II	240,252	240,364	228,857
	86359ABW2	STRUCTURED ASSET SEC MORTGAGE PASS-THROU	150,707	116,447	148,832
	86359BXL0	STRUCTURED ASSET SECURITIES CORP MORTGAG	88,339	64,947	91,384
	86359AVX8	STRUCTURED ASSET SECURITIES CORP MORTGAG	24,003	22,930	23,746
	863667AM3	STRYKER CORP CALLABLE NOTES FIXED 2.625%	612,000	611,767	614,362
	863667AN1	STRYKER CORP CALLABLE NOTES FIXED 3.5% 1	1,115,000	1,107,730	1,125,526
	863667AG6	STRYKER CORP CALLABLE NOTES FIXED 4.375%	610,000	607,261	591,663
	863667AJ0	STRYKER CORP CALLABLE NOTES FIXED 4.625%	4,130,000	4,084,322	4,211,278
	863667101	STRYKER CORP COMMON STOCK USD 0.1	36,606	1,613,322	4,385,765
	5784462	SUEDZUCKER AG COMMON STOCK EUR 0	16,402	279,365	392,537
	B3B8D04	SUEZ COMMON STOCK EUR 4	15,031	209,717	222,193
	SBK7COS	SUGAR #11 (WORLD) FOODSTUFF 28/APR/2017	-597	0	1,327,465
	SBH7COS	SUGAR #11 (WORLD) FOODSTUFF 28/FEB/2017	-109	0	62,649
*	SBH7COM	SUGAR #11 (WORLD) FOODSTUFF 28/FEB/2017	268	0	405,423
*	SBN7COM	SUGAR #11 (WORLD) FOODSTUFF 30/JUN/2017	668	0	-1,208,287
	B27WYK0	SUL AMERICA SA UNIT BRL 0	41,500	198,155	229,514
	6858560	SUMITOMO CHEMICAL CO LTD COMMON STOCK JP	351,836	1,497,833	1,677,205
	6858946	SUMITOMO CORP COMMON STOCK JPY	145,991	1,656,404	1,721,701
	6250865	SUMITOMO DAINIPPON PHARMA CO LTD COMMON	135,031	1,756,342	2,327,023
	6858708	SUMITOMO ELECTRIC INDUSTRIES LTD COMMON	136,986	1,690,224	1,980,768
	6858731	SUMITOMO HEAVY INDUSTRIES LTD COMMON STO	303,736	1,408,659	1,960,931
	6858849	SUMITOMO METAL MINING CO LTD COMMON STOC	137,605	1,862,255	1,777,946
	865622CA0	SUMITOMO MITSUI BANKING CORP BOND FIXED	1,315,000	1,329,399	1,311,200
	865622BE3	SUMITOMO MITSUI BANKING CORP BOND FIXED	250,000	249,673	260,775
	865622BL7	SUMITOMO MITSUI BANKING CORP MEDIUM TERM	8,160,000	8,149,718	8,151,840
	86562M209	SUMITOMO MITSUI FINANCIAL GROUP INC ADR	49,500	337,052	378,180
	6563024	SUMITOMO MITSUI FINANCIAL GROUP INC COMM	196,859	7,338,685	7,527,682
	86562MAK6	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	11,360,000	11,360,000	10,871,066
	86562MAE0	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	300,000	299,079	290,157
	86562MAD2	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	3,000,000	3,000,000	3,086,340
	86562MAB6	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	1,700,000	1,700,000	1,708,908
	6431897	SUMITOMO MITSUI TRUST HOLDINGS INC COMMO	68,771	2,344,397	2,466,405
	6858548	SUMITOMO OSAKA CEMENT CO LTD COMMON STOCK	153,000	536,715	578,497
	6858902	SUMITOMO REALTY & DEVELOPMENT CO LTD COM	24,452	641,397	651,159
	6858991	SUMITOMO RUBBER INDUSTRIES LTD COMMON ST	88,693	1,383,480	1,411,362
	B3MPN59	SUN ART RETAIL GROUP LTD COMMON STOCK HK	443,500	315,749	388,977
	866674104	SUN COMMUNITIES INC REIT USD 0.01	5,418	395,667	415,073
	6859927	SUN HUNG KAI PROPERTIES LTD COMMON STOCK	62,857	858,163	794,514
	2566124	SUN LIFE FINANCIAL INC COMMON STOCK CAD	70,593	2,689,465	2,713,597
	6582483	SUN PHARMACEUTICAL INDUSTRIES LTD COMMON	10,847	124,626	100,687
	86722A103	SUNCOKE ENERGY INC COMMON STOCK USD 0.01	11,600	112,631	131,544
	867224AA5	SUNCOR ENERGY INC CALLABLE NOTES FIXED 3	1,370,000	1,424,814	1,403,880

IBM
Personal Pension Plan
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
867229AD8	SUNCOR ENERGY INC CALLABLE NOTES FIXED 5	2,544,000	2,809,904	3,003,701	
86722TAB8	SUNCOR ENERGY INC CALLABLE NOTES FIXED 6	3,620,000	3,881,244	4,798,925	
86722TAA0	SUNCOR ENERGY INC CALLABLE NOTES FIXED 6	6,111,000	6,498,481	6,469,960	
867229AE6	SUNCOR ENERGY INC CALLABLE NOTES FIXED 6	7,566,000	9,356,399	9,667,381	
867229AC0	SUNCOR ENERGY INC CALLABLE NOTES FIXED 7	1,135,000	1,429,359	1,443,913	
B3NB1P2	SUNCOR ENERGY INC COMMON STOCK CAD 0	191,488	5,647,776	6,268,464	
6585084	SUNCORP GROUP LTD COMMON STOCK AUD 0	56,667	513,284	554,760	
6817895	SUNDRUG CO LTD COMMON STOCK JPY	9,700	748,239	672,808	
86732Y109	SUNEDISON INC COMMON STOCK USD 0.01	2,719	62,561	192	
6222217	SUNEVISION HOLDINGS LTD COMMON STOCK HKD	848	89	363	
8A2924B	SUNGARD AS 3/14 COV-LITE TL; LX136139; 8	1,095,388	1,090,693	1,063,436	
B1YBT08	SUNNY OPTICAL TECHNOLOGY GROUP CO LTD CO	137,000	670,249	599,905	
86765BAT6	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	9,675,000	9,720,168	9,364,820	
86765BAR0	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	550,000	572,088	579,205	
86765BAQ2	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	3,350,000	3,113,637	3,234,961	
86765BAP4	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	10,613,000	9,839,743	10,246,745	
86765BAN9	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	4,396,000	4,247,696	4,429,981	
86765BAM1	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	4,070,000	4,036,607	3,724,091	
86765BAJ8	SUNOCO LOGISTICS PARTNERS OPERATIONS LP	210,000	217,879	222,115	
867652406	SUNPOWER CORP COMMON STOCK USD 0.001	4,668	177,944	30,855	
B04PZ72	SUNTEC REAL ESTATE INVESTMENT TRUST REIT	105,400	124,924	120,378	
BB07Q84	SUNTORY BEVERAGE & FOOD LTD COMMON STOCK	13,900	612,271	578,596	
86787GAJ1	SUNTRUST BANK/ATLANTA GA CALLABLE NOTES	2,330,000	2,318,210	2,248,916	
86787EAM9	SUNTRUST BANK/ATLANTA GA NOTES FIXED 7.2	1,290,000	1,521,091	1,368,380	
867914BK8	SUNTRUST BANKS INC CALLABLE NOTES FIXED	2,900,000	3,011,447	2,940,977	
867914BF9	SUNTRUST BANKS INC CALLABLE NOTES FIXED	4,700,000	4,734,488	4,741,642	
867914103	SUNTRUST BANKS INC COMMON STOCK USD 1	40,111	1,394,724	2,200,088	
B6VGS93	SUNWAY BHD COMMON STOCK MYR 1	207,298	155,186	140,016	
BX909K4	SUNWAY CONSTRUCTION GROUP BHD COMMON STO	2,640	926	1,000	
B4WQM08	SUPER GROUP LTD/SOUTH AFRICA COMMON STOC	79,606	149,731	224,876	
868157108	SUPERIOR ENERGY SERVICES INC COMMON STOC	11,958	310,074	201,851	
2810144	SURGUTNEFTGAS OJSC ADR USD	61,785	435,415	311,705	
6864329	SURUGA BANK LTD COMMON STOCK JPY	8,053	186,452	180,137	
05674XAA9	SUZANO AUSTRIA GMBH CALLABLE NOTES FIXED	1,000,000	1,017,500	963,750	
6865560	SUZUKEN CO LTD/AICHI JAPAN COMMON STOCK	30,407	1,038,441	995,882	
6865504	SUZUKI MOTOR CORP COMMON STOCK JPY	39,046	1,369,315	1,377,247	
78486Q101	SVB FINANCIAL GROUP COMMON STOCK USD 0.0	4,131	265,856	709,127	
B1VVZ55	SVENSKA CELLULOZA AB SCA COMMON STOCK SE	48,740	1,343,274	1,380,446	
BXD29Q1	SVENSKA HANDELSBANKEN AB COMMON STOCK SE	265,180	2,106,856	3,695,461	
86960BAQ5	SVENSKA HANDELSBANKEN AB MEDIUM TERM NOT	725,000	722,180	700,147	
86960BAL6	SVENSKA HANDELSBANKEN AB MEDIUM TERM NOT	4,800,000	4,914,864	4,767,552	
86960BAJ1	SVENSKA HANDELSBANKEN AB MEDIUM TERM NOT	6,584,000	6,609,957	6,570,042	
86960BAE2	SVENSKA HANDELSBANKEN AB MEDIUM TERM NOT	1,580,000	1,578,689	1,596,701	
209118IB	SWAPTION - SOP .70	-23,090,000	-65,067	-4,889	
209070IB	SWAPTION - SOP .80	-23,090,000	-87,228	-7,363	
209117IB	SWAPTION - SOP 1.70	-23,090,000	-65,502	-230,424	
209069IB	SWAPTION - SOP 1.70	-23,090,000	-64,120	-232,745	
7184736	SWATCH GROUP AG/THE COMMON STOCK CHF 0.4	5,264	303,971	322,413	
7184725	SWATCH GROUP AG/THE COMMON STOCK CHF 2.2	1,359	406,682	423,472	
4846523	SWEDBANK AB COMMON STOCK SEK 22	87,952	1,825,619	2,132,821	
87020PAC1	SWEDBANK AB MEDIUM TERM NOTE FIXED 1.75%	7,310,000	7,272,710	7,307,588	
87020PAD9	SWEDBANK AB MEDIUM TERM NOTE FIXED 2.375	1,100,000	1,100,539	1,104,840	
SEK COLL	SWEDISH KRONA	386,611	41,981	42,557	
SEK	SWEDISH KRONA		180,776	182,377	
5048566	SWEDISH MATCH AB COMMON STOCK SEK 1.9823	78,043	2,437,064	2,489,583	
87074U101	SWIFT TRANSPORTATION CO COMMON STOCK USD	22,600	442,231	550,536	
6867748	SWIRE PACIFIC LTD COMMON STOCK HKD 0.6	95,165	1,052,037	908,917	
B67C2G0	SWIRE PROPERTIES LTD COMMON STOCK HKD 0	249,815	696,535	689,531	
CHF	SWISS FRANC		600,359	597,531	
870875101	SWISS HELVETIA FUND INC/THE CLOSED-END F	364,300	4,179,340	3,719,503	
7437805	SWISS LIFE HOLDING AG COMMON STOCK CHF 5	5,481	1,212,266	1,554,213	
B083BH4	SWISS PRIME SITE AG COMMON STOCK CHF 15.	24,138	1,772,531	1,979,537	
B545MG5	SWISS RE AG COMMON STOCK CHF 0.1	55,124	4,342,677	5,233,892	
87089HAB9	SWISS RE TREASURY US CORP CALLABLE NOTES	3,525,000	3,319,124	3,442,374	
5533976	SWISSCOM AG COMMON STOCK CHF 1	1,300	588,623	583,392	
87124VAF6	SYDNEY AIRPORT FINANCE CO PTY LTD CALLAB	4,103,000	4,100,949	4,034,398	
B70DWB2	SYDNEY AIRPORT STAPLED SECURITY AUD 0	78,220	340,083	339,268	
871503108	SYMANTEC CORP COMMON STOCK USD 0.01	148,908	2,982,107	3,557,412	
B1JB4K8	SYMRISE AG COMMON STOCK EUR 0	17,217	972,949	1,050,171	
87157D109	SYNAPTICS INC COMMON STOCK USD 0.001	7,400	415,397	396,492	
87165LBJ9	SYNCHRONY CREDIT CARD MASTER NOTE TRUST	624,000	623,931	616,163	
87165LBB6	SYNCHRONY CREDIT CARD MASTER NOTE TRUST	495,000	494,981	492,313	
87165BAL7	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	2,255,000	2,246,408	2,167,664	
87165BAJ2	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	1,680,000	1,679,563	1,688,501	
87165BAG8	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	8,620,000	8,788,055	8,854,205	
87165BAE3	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	340,000	339,289	338,994	
87165BAD5	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	4,505,000	4,496,260	4,585,865	
87165BAC7	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	400,000	399,288	411,128	
87165BAB9	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	1,875,000	1,870,575	1,899,300	
87165BAA1	SYNCHRONY FINANCIAL CALLABLE NOTES FIXED	2,940,000	2,943,363	2,942,381	
87165B103	SYNCHRONY FINANCIAL COMMON STOCK USD 0.0	175,459	4,828,051	6,363,898	
4356646	SYNGENTA AG COMMON STOCK CHF 0.1	4,094	1,581,980	1,621,326	
871607107	SYNOPSYS INC COMMON STOCK USD 0.01	13,634	343,354	802,497	
87161C501	SYNOVUS FINANCIAL CORP COMMON STOCK USD	35,926	1,004,687	1,475,840	
6610276	SYNTEC CONSTRUCTION PCL NVDR THB 1	3,495,800	230,476	507,621	
871630208	SYNTROLEUM CORP COMMON STOCK EUR 0.01	1,609	23,482	5,390	
871829BA4	SYSCO CORP CALLABLE NOTES FIXED 2.5% 15/	870,000	869,548	860,717	
871829BC0	SYSCO CORP CALLABLE NOTES FIXED 3.3% 15/	520,000	518,040	510,292	
871829AZ0	SYSCO CORP CALLABLE NOTES FIXED 3.75% 01	720,000	720,000	728,683	

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871829BD8	SYSCO CORP CALLABLE NOTES FIXED 4.5% 01/	7,465,000	7,520,534	7,526,138	
871829AY3	SYSCO CORP CALLABLE NOTES FIXED 4.85% 01	7,635,000	7,921,578	8,098,521	
871829107	SYSCO CORP COMMON STOCK USD 1	53,728	1,275,229	2,974,919	
6883807	SYSMEX CORP COMMON STOCK JPY	7,100	440,145	412,115	
74144T108	T ROWE PRICE GROUP INC COMMON STOCK USD	19,338	368,148	1,455,378	
6744294	T&D HOLDINGS INC COMMON STOCK JPY	85,952	997,335	1,138,928	
6873262	TABCORP HOLDINGS LTD COMMON STOCK AUD 0	200,476	642,744	698,242	
87336U105	TABLEAU SOFTWARE INC COMMON STOCK USD 0.	4,378	353,334	184,533	
6869722	TADANO LTD COMMON STOCK JPY	8,000	79,039	100,965	
6870791	TAEKWANG INDUSTRIAL CO LTD COMMON STOCK	300	283,761	235,221	
873868103	TAHOE RESOURCES INC COMMON STOCK CAD	24,295	332,314	228,859	
6660204	TAIHEIYO CEMENT CORP COMMON STOCK JPY	91,008	275,742	288,704	
6870100	TAISEI CORP COMMON STOCK JPY	47,280	330,847	331,590	
B3QX5G4	TAISHO PHARMACEUTICAL HOLDINGS CO LTD CO	1,464	132,285	121,754	
874036106	TAIWAN FUND INC/THE CLOSED-END FUND USD	22,091	386,045	355,665	
874039100	TAIWAN SEMICONDUCTOR MANUFACTURING CO LT	238,036	5,381,004	6,843,535	
6889106	TAIWAN SEMICONDUCTOR MANUFACTURING CO LT	1,675,000	6,428,412	9,432,887	
6640541	TAIYO NIPPON SANSO CORP COMMON STOCK JPY	29,860	302,775	346,641	
6870401	TAKASHIMAYA CO LTD COMMON STOCK JPY	13,457	110,093	111,223	
6870445	TAKEDA PHARMACEUTICAL CO LTD COMMON STOC	35,639	1,547,550	1,477,383	
874080104	TAL EDUCATION GROUP ADR USD	9,302	491,809	652,535	
B8F0TD6	TALANX AG COMMON STOCK EUR	17,988	560,618	602,767	
B5T2163	TALBEX GROUP ORD GBP0.0005	200,000	7,028	247	
6565127	TAMBANG BATUBARA BUKIT ASAM PERSERO TBK	384,700	284,098	356,931	
875127AW2	TAMPA ELECTRIC CO CALLABLE NOTES FIXED 6	1,500,000	1,811,781	1,840,815	
875465106	TANGER FACTORY OUTLET CENTERS INC REIT U	7,488	232,749	267,921	
875484AH0	TANGER PROPERTIES LP CALLABLE NOTES FIXE	235,000	233,658	234,530	
875484AG2	TANGER PROPERTIES LP CALLABLE NOTES FIXE	275,000	270,490	278,891	
87612G101	TARGA RESOURCES CORP COMMON STOCK USD 0.	28,443	1,400,982	1,594,799	
239753DL7	TARGET CORP BOND FIXED 6.65% 01/AUG/2028	690,000	907,302	844,008	
87612EAK2	TARGET CORP CALLABLE BOND FIXED 6.35% 01	2,932,000	3,879,570	3,754,191	
87612EBF2	TARGET CORP CALLABLE NOTES FIXED 3.625%	7,865,000	7,843,154	7,308,237	
87612EBA3	TARGET CORP CALLABLE NOTES FIXED 4% 01/J	6,420,000	6,566,773	6,384,305	
87612EAR7	TARGET CORP CALLABLE NOTES FIXED 6.5% 15	2,545,000	3,208,154	3,400,884	
8.76E+110	TARGET CORP COMMON STOCK USD 0.0833	62,428	2,381,846	4,509,174	
M8737E108	TARO PHARMACEUTICAL INDUSTRIES LTD COMMO	600	65,118	63,162	
B01NPJ1	TATA CONSULTANCY SERVICES LTD COMMON STO	12,142	488,337	423,199	
876568502	TATA MOTORS LTD ADR USD 0.1	8,200	322,616	281,998	
B611LV1	TATA MOTORS LTD COMMON STOCK INR 2	316,973	2,023,541	2,204,380	
875413	TATE & LYLE PLC COMMON STOCK GBP 25	20,544	175,419	179,600	
B0CRCP7	TATTS GROUP LTD COMMON STOCK AUD 0	189,881	559,355	615,968	
876664103	TAUBMAN CENTERS INC REIT USD 0.01	4,693	193,431	346,953	
878230	TAYLOR WIMPEY PLC COMMON STOCK GBP 1	208,266	449,390	395,023	
02R020419	TBA FGLMC SINGLE FAMILY 15YR 2 1/17	-13,500,000	-13,122,723	-13,141,710	
02R022415	TBA FGLMC SINGLE FAMILY 15YR 2.5 1/17	500,000	499,531	500,900	
02R030418	TBA FGLMC SINGLE FAMILY 15YR 3 1/17	-400,000	-410,813	-410,440	
02R030616	TBA FGLMC SINGLE FAMILY 30YR 3 1/17	11,100,000	10,991,813	11,021,967	
02R032612	TBA FGLMC SINGLE FAMILY 30YR 3.5 1/17	5,200,000	5,318,578	5,324,488	
02R032620	TBA FGLMC SINGLE FAMILY 30YR 3.5 2/17	15,000,000	15,176,563	15,336,000	
02R040615	TBA FGLMC SINGLE FAMILY 30YR 4 1/17	3,300,000	3,442,313	3,466,089	
02R040623	TBA FGLMC SINGLE FAMILY 30YR 4 2/17	4,500,000	4,674,375	4,720,860	
02R042611	TBA FGLMC SINGLE FAMILY 30YR 4.5 1/17	3,000,000	3,253,008	3,220,110	
02R050614	TBA FGLMC SINGLE FAMILY 30YR 5 1/17	1,000,000	1,092,656	1,088,830	
01F030413	TBA FNMA SINGLE FAMILY 15YR 3 1/17	600,000	615,656	615,702	
01F030421	TBA FNMA SINGLE FAMILY 15YR 3 2/17	8,500,000	8,660,703	8,712,160	
01F032419	TBA FNMA SINGLE FAMILY 15YR 3.5 1/17	-12,500,000	-13,041,016	-13,022,750	
01F040412	TBA FNMA SINGLE FAMILY 15YR 4 1/17	-3,000,000	-3,087,656	-3,088,350	
01F042418	TBA FNMA SINGLE FAMILY 15YR 4.5 1/17	200,000	205,531	205,204	
01F030611	TBA FNMA SINGLE FAMILY 30YR 3 1/17	26,300,000	26,213,781	26,126,683	
01F030629	TBA FNMA SINGLE FAMILY 30YR 3 2/17	167,150,000	163,760,012	165,797,757	
01F032617	TBA FNMA SINGLE FAMILY 30YR 3.5 1/17	127,800,000	130,255,459	130,984,776	
01F032625	TBA FNMA SINGLE FAMILY 30YR 3.5 2/17	33,300,000	34,086,172	34,078,554	
01F032625	TBA FNMA SINGLE FAMILY 30YR 3.5 2/17	-39,500,000	-39,958,443	-40,423,510	
01F040610	TBA FNMA SINGLE FAMILY 30YR 4 1/17	5,400,000	5,647,074	5,677,074	
01F040610	TBA FNMA SINGLE FAMILY 30YR 4 1/17	-2,000,000	-2,104,502	-2,102,620	
01F040628	TBA FNMA SINGLE FAMILY 30YR 4 2/17	-22,500,000	-23,547,656	-23,622,750	
01F040636	TBA FNMA SINGLE FAMILY 30YR 4 3/17	1,900,000	1,969,098	1,990,725	
01F042624	TBA FNMA SINGLE FAMILY 30YR 4.5 2/17	-6,000,000	-6,453,750	-6,446,160	
01F050627	TBA FNMA SINGLE FAMILY 30YR 5 2/17	1,000,000	1,090,625	1,088,550	
01N030612	TBA GNMA SINGLE FAMILY 30YR 3 1/17	-1,000,000	-1,010,781	-1,010,590	
01N032618	TBA GNMA SINGLE FAMILY 30YR 3.5 1/17	500,000	519,219	519,900	
01N040611	TBA GNMA SINGLE FAMILY 30YR 4 1/17	1,000,000	1,057,969	1,061,720	
01N042617	TBA GNMA SINGLE FAMILY 30YR 4.5 1/17	6,000,000	6,506,250	6,488,220	
01N050610	TBA GNMA SINGLE FAMILY 30YR 5 1/17	-8,000,000	-8,783,750	-8,737,520	
21H022614	TBA GNMA2 SINGLE FAMILY 30YR 2.5 1/17	1,000,000	967,344	970,380	
21H030617	TBA GNMA2 SINGLE FAMILY 30YR 3 1/17	18,000,000	18,122,276	18,225,360	
21H032613	TBA GNMA2 SINGLE FAMILY 30YR 3.5 1/17	13,300,000	13,830,047	13,825,483	
21H040616	TBA GNMA2 SINGLE FAMILY 30YR 4 1/17	12,100,000	12,752,969	12,849,837	
21H042612	TBA GNMA2 SINGLE FAMILY 30YR 4.5 1/17	7,500,000	8,015,625	8,004,825	
878048AL1	TBW MORTGAGE-BACKED TRUST SERIES 2006-2	989,775	462,833	385,961	
87233QAB4	TC PIPELINES LP CALLABLE NOTES FIXED 4.3	830,000	826,481	836,706	
872295AD2	TCF AUTO RECEIVABLES OWNER TRUST 2016-1	162,000	161,978	160,650	
872295AC4	TCF AUTO RECEIVABLES OWNER TRUST 2016-1	217,000	216,964	215,798	
872295AB6	TCF AUTO RECEIVABLES OWNER TRUST 2016-1	542,000	541,963	541,688	
87226VAA4	TCF AUTO RECEIVABLES OWNER TRUST 2016-PT	1,032,000	1,031,864	1,030,884	
872275102	TCF FINANCIAL CORP COMMON STOCK USD 0.01	65,244	929,867	1,278,130	
6193788	TCL MULTIMEDIA TECHNOLOGY HOLDINGS LTD C	2,000	1,404	993	
872333208	TCR HLDG CORP PFD JR CL B	1,767	106	106	
872333307	TCR HLDG CORP PFD JR CL C	972	58	10	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
872333505	TCR HLDG CORP PFD JR CL D	2,562	128	136	
872333406	TCR HLDG CORP PFD JR CL E	5,301	318	5	
87236YAE8	TD AMERITRADE HOLDING CORP CALLABLE NOTE	1,250,000	1,247,063	1,265,563	
87236Y108	TD AMERITRADE HOLDING CORP COMMON STOCK	19,922	319,216	868,599	
5698790	TDC A/S COMMON STOCK DKK 1	129,179	1,013,507	664,444	
6869302	TDK CORP COMMON STOCK JPY	21,577	1,234,748	1,487,367	
H84989104	TE CONNECTIVITY LTD COMMON STOCK USD 0.5	100	6,782	6,928	
878091BE6	TEACHERS INSURANCE & ANNUITY ASSOCIATION	6,600,000	6,587,856	6,476,250	
878091BD8	TEACHERS INSURANCE & ANNUITY ASSOCIATION	8,575,000	8,871,851	9,276,092	
878091BC0	TEACHERS INSURANCE & ANNUITY ASSOCIATION	8,270,000	9,975,086	10,732,144	
4874160	TECHNIP SA COMMON STOCK EUR 0.7625	33,533	1,987,604	2,398,367	
BD9Y5C0	TECHNOGYM SPA COMMON STOCK EUR	13,485	50,196	63,038	
BSM8SQ9	TECHNOPRO HOLDINGS INC COMMON STOCK JPY	6,000	206,984	192,910	
B0190C7	TECHTRONIC INDUSTRIES CO LTD COMMON STOC	61,000	224,127	218,724	
878742BA2	TECK RESOURCES LTD CALLABLE NOTES FIXED	6,170,000	6,290,525	6,787,000	
878742AW5	TECK RESOURCES LTD CALLABLE NOTES FIXED	320,000	344,660	308,378	
878742AS4	TECK RESOURCES LTD CALLABLE NOTES FIXED	710,000	746,167	674,500	
878742204	TECK RESOURCES LTD COMMON STOCK CAD 0	57,658	571,329	1,154,890	
2879327	TECK RESOURCES LTD COMMON STOCK CAD 0	113,036	1,905,274	2,264,850	
6879851	TECO ELECTRIC AND MACHINERY CO LTD COMMO	473,255	407,758	409,687	
87901J105	TEGNA INC COMMON STOCK USD 1	17,503	568,384	374,389	
6880507	TEIJIN LTD COMMON STOCK JPY	12,217	223,526	248,142	
B29D241	TEKFEN HOLDING AS COMMON STOCK TRY 1	89,564	221,177	164,482	
B97C733	TELE2 AB COMMON STOCK SEK 1.25	14,057	108,451	113,033	
B0S6009	TELECOM EGYPT CO COMMON STOCK EGP 10	73,348	76,116	47,537	
87927VAV0	TELECOM ITALIA CAPITAL SA CALLABLE NOTES	8,625,000	8,874,585	8,966,981	
872456AA6	TELECOM ITALIA CAPITAL SA CALLABLE NOTES	5,700,000	6,255,519	6,312,750	
87927YAA0	TELECOM ITALIA SPA/MILANO CALLABLE NOTES	6,000,000	5,880,000	5,865,000	
7634394	TELECOM ITALIA SPA/MILANO COMMON STOCK E	459,918	366,002	406,027	
7634402	TELECOM ITALIA SPA/MILANO SAVINGS SHARE	265,487	175,027	192,375	
879369106	TELEFLEX INC COMMON STOCK USD 1	3,481	187,489	560,963	
294821608	TELEFONAKTIEBOLAGET LM ERICSSON ADR USD	24,100	139,518	140,503	
294829AA4	TELEFONAKTIEBOLAGET LM ERICSSON CALLABLE	3,191,000	3,345,738	3,202,328	
5959378	TELEFONAKTIEBOLAGET LM ERICSSON COMMON S	572,237	4,255,712	3,369,953	
B7VG6L8	TELEFONICA DEUTSCHLAND HOLDING AG COMMON	32,753	122,574	140,603	
87938WAC7	TELEFONICA EMISIONES SAU CALLABLE BOND F	9,170,000	10,231,071	10,643,711	
87938WAQ6	TELEFONICA EMISIONES SAU CALLABLE NOTES	2,572,000	2,665,832	2,608,985	
87938WAH6	TELEFONICA EMISIONES SAU CALLABLE NOTES	4,750,000	5,332,493	5,148,240	
87938WAG8	TELEFONICA EMISIONES SAU CALLABLE NOTES	40,000	38,500	40,898	
879385AD4	TELEFONICA EUROPE BV CALLABLE NOTES FIXE	520,000	601,040	682,776	
5732524	TELEFONICA SA COMMON STOCK EUR 1	253,632	2,531,393	2,359,512	
879403AV5	TELEFONOS DE MEXICO SAB DE CV CALLABLE N	2,000,000	2,273,960	2,160,240	
BD4T6W7	TELEKOMUNIKASI INDONESIA PERSERO TBK PT	16,466,300	3,703,095	4,864,418	
715684106	TELEKOMUNIKASI INDONESIA PERSERO TBK PT	41,090	729,519	1,198,184	
879455103	TELENAV INC COMMON STOCK USD 0.001	3,680	25,959	25,944	
B0LKS4K	TELENET GROUP HOLDING NV COMMON STOCK EU	2,323	121,659	129,174	
4732495	TELENOR ASA COMMON STOCK NOK 6	64,276	1,005,450	963,278	
879433829	TELEPHONE & DATA SYSTEMS INC COMMON STOC	7,834	219,971	226,168	
B87ZDH1	TELEVISION BROADCASTS LTD COMMON STOCK H	101,700	503,803	334,490	
7520880	TELIA CO AB COMMON STOCK SEK 3.2	89,271	337,776	361,004	
5978384	TELIA CO AB COMMON STOCK SEK 3.2	126,247	756,410	510,152	
6588577	TELKOM SA SOC LTD COMMON STOCK ZAR 1000	158,812	753,261	859,269	
6087289	TELSTRA CORP LTD COMMON STOCK AUD 0	296,501	1,167,174	1,094,951	
2381093	TELUS CORP COMMON STOCK CAD 0	500	15,609	15,939	
B2R9BG6	TELUS CORPORATION COMMON STOCK CAD	22,204	680,206	707,819	
B3CY709	TEMP HOLDINGS CO LTD COMMON STOCK JPY	17,200	277,039	267,361	
882532	TEMPLE BAR INVESTMENT TRUST PLC/FUND CLO	31,084	536,250	469,741	
88018T101	TEMPLETON DRAGON FUND INC CLOSED-END FUN	98,082	2,577,854	1,606,583	
882929	TEMPLETON EMERGING MARKETS INVESTMENT TR	193,949	1,602,344	1,427,134	
88023U101	TEMPUR SEALY INTERNATIONAL INC COMMON ST	4,257	137,592	290,668	
6904612	TENAGA NASIONAL BHD COMMON STOCK MYR 1	879,100	2,130,802	2,723,917	
7538515	TENARIS SA COMMON STOCK EUR 1	47,649	679,837	852,875	
88031NAA5	TENASKA ALABAMA PARTNERS LP CALLABLE NOT	210,506	207,345	216,294	
BMMV2K8	TENCENT HOLDINGS LTD COMMON STOCK HKD 0.	616,900	9,965,348	15,093,985	
88033G407	TENET HEALTHCARE CORP COMMON STOCK USD 0	6,467	353,990	95,970	
88034QAA5	TENGIZCHEVROIL FINANCE CO INTERNATIONAL	3,710,000	3,683,474	3,480,722	
880451AU3	TENNESSEE GAS PIPELINE CO LLC BOND FIXED	4,875,000	5,554,429	5,893,631	
880451AS8	TENNESSEE GAS PIPELINE CO LLC CALL/PUT B	5,145,000	6,146,516	5,988,163	
880451AV1	TENNESSEE GAS PIPELINE CO LLC CALLABLE B	5,375,000	6,653,448	6,280,204	
880451AW9	TENNESSEE GAS PIPELINE CO LLC CALLABLE N	1,380,000	1,796,297	1,719,839	
880591ER9	TENNESSEE VALLEY AUTHORITY BOND FIXED 2.	1,345,000	1,330,743	1,375,948	
880591EH1	TENNESSEE VALLEY AUTHORITY BOND FIXED 5.	3,180,000	3,635,746	3,994,048	
880591ES7	TENNESSEE VALLEY AUTHORITY NOTES FIXED 4	8,315,000	8,218,877	8,559,627	
88076W103	TERADATA CORP COMMON STOCK USD 0.01	50,738	1,275,068	1,378,551	
880771012	TERADYNE INC COMMON STOCK USD 0.125	112,195	2,366,672	2,849,753	
880779103	TEREX CORP COMMON STOCK USD 0.01	8,437	171,419	266,019	
B01BN57	TERNA RETE ELETTRICA NAZIONALE SPA COMMO	353,212	1,750,767	1,621,339	
880890108	TERNIUM SA ADR USD 1	41,523	1,030,040	1,002,780	
6885074	TERUMO CORP COMMON STOCK JPY	14,964	562,213	553,604	
88158UAA6	TERVITA ESCROW CORP CALLABLE NOTES FIXED	372,000	372,000	379,440	
881569107	TESARO INC COMMON STOCK USD 0.0001	14,700	1,935,886	1,976,856	
884709	TESCO PLC COMMON STOCK GBP 5	935,434	2,711,898	2,390,915	
88160R101	TESLA INC COMMON STOCK USD 0.001	9,929	1,111,406	2,121,728	
881609BB6	TESORO CORP CALLABLE NOTES FIXED 4.75% 1	517,000	517,000	518,965	
881609BC4	TESORO CORP CALLABLE NOTES FIXED 5.125%	1,150,000	1,150,000	1,163,110	
881609101	TESORO CORP COMMON STOCK USD 0.167	18,275	1,005,798	1,598,149	
88165FAF9	TEVA PHARMACEUTICAL FINANCE CO BV CALLAB	442,000	452,595	447,680	
88163VAD1	TEVA PHARMACEUTICAL FINANCE CO LLC CALLA	75,000	84,984	83,729	
88167AAF8	TEVA PHARMACEUTICAL FINANCE NETHERLANDS	18,026,000	17,549,755	15,255,764	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	88167AAE1	TEVA PHARMACEUTICAL FINANCE NETHERLANDS	25,025,000	24,712,159	23,071,298
	88167AAD3	TEVA PHARMACEUTICAL FINANCE NETHERLANDS	14,333,000	14,119,393	13,567,474
	88167AAC5	TEVA PHARMACEUTICAL FINANCE NETHERLANDS	5,060,000	5,051,651	4,840,851
	88167AAB7	TEVA PHARMACEUTICAL FINANCE NETHERLANDS	2,100,000	2,099,811	2,063,313
	881624209	TEVA PHARMACEUTICAL INDUSTRIES LTD ADR U	20,953	1,305,905	759,546
	6882172	TEVA PHARMACEUTICAL INDUSTRIES LTD COMMO	40,105	1,663,900	1,441,160
	882389CC1	TEXAS EASTERN TRANSMISSION LP CALLABLE N	765,000	912,331	934,249
	882384AC4	TEXAS EASTERN TRANSMISSION LP CALLABLE N	540,000	523,967	525,614
	882440AX8	TEXAS GAS TRANSMISSION LLC CALLABLE NOTE	2,190,000	2,294,616	2,267,767
	882484AA6	TEXAS HEALTH RESOURCES CALLABLE BOND FIX	940,000	916,365	939,812
	882508104	TEXAS INSTRUMENTS INC COMMON STOCK USD 1	100,941	2,956,149	7,365,665
	883203BV2	TEXTRON INC CALLABLE NOTES FIXED 3.875%	850,000	849,176	854,675
	883203101	TEXTRON INC COMMON STOCK USD 0.125	21,577	447,928	1,047,779
	87240R107	TFS FINANCIAL CORP COMMON STOCK USD 0.01	7,556	97,617	143,866
	B15F664	THAI BEVERAGE PCL COMMON STOCK SGD 1	1,128,000	655,173	663,667
	882904105	THAI FUND INC/THE CLOSED-END FUND USD	15,478	205,697	117,633
	B0TW307	THAI NAKARIN HOSPITAL PCL NVDR THB 1	81,000	45,493	87,649
	B030K62	THAI OIL PCL NVDR THB 10	224,200	376,261	452,338
	6422727	THAI UNION GROUP PCL NVDR THB 0.25	1,334,300	815,735	782,460
	4162791	THALES SA COMMON STOCK EUR 3	31,636	2,260,673	3,074,200
	BY7QH0X	THANACHART CAPITAL PCL FOREIGN SH. THB 1	1,038,100	432,522	1,275,053
	6361994	THANACHART CAPITAL PCL NVDR THB 10	921,500	1,058,514	1,132,238
	298768102	THE EUROPEAN EQUITY FUND INC COM STK USD	109,948	806,843	848,799
	711123C#4	THE PEOPLES GAS LIGHT AND COKE COMPANY S	5,000,000	5,000,000	4,482,350
	744998576	THE PRUDENTIAL INSURANCE COMPANY OF AMER	9,299	299,466,467	300,814,732
	883556BR2	THERMO FISHER SCIENTIFIC INC CALLABLE NO	5,445,000	5,331,524	5,141,441
	883556BN1	THERMO FISHER SCIENTIFIC INC CALLABLE NO	5,390,000	5,471,213	5,297,669
	883556BL5	THERMO FISHER SCIENTIFIC INC CALLABLE NO	1,270,000	1,269,962	1,275,829
	883556BH4	THERMO FISHER SCIENTIFIC INC CALLABLE NO	600,000	589,356	609,582
	883556BG6	THERMO FISHER SCIENTIFIC INC CALLABLE NO	2,295,000	2,394,427	2,567,761
	883556BF8	THERMO FISHER SCIENTIFIC INC CALLABLE NO	1,170,000	1,197,401	1,218,356
	883556BE1	THERMO FISHER SCIENTIFIC INC CALLABLE NO	2,215,000	2,228,755	2,231,834
	883556AX0	THERMO FISHER SCIENTIFIC INC CALLABLE NO	550,000	579,409	587,967
	883556102	THERMO FISHER SCIENTIFIC INC COMMON STOC	36,001	1,123,617	5,079,741
	883994717	THIRD CIVEN CO-INVEST/BHEAD D	100	12,026,352	0
	8869131	THK CO LTD COMMON STOCK JPY	5,321	111,603	117,976
	87244ABG4	THL CREDIT WIND RIVER 2012-1 CLO LTD 201	1,000,000	997,500	999,981
	B1VYCH8	THOMAS COOK GROUP PLC COMMON STOCK GBP 0	866,022	1,457,034	933,127
	884903BQ7	THOMSON REUTERS CORP CALLABLE NOTES FIXE	4,250,000	4,295,093	4,446,180
	884903BP9	THOMSON REUTERS CORP CALLABLE NOTES FIXE	4,000,000	3,921,840	4,406,200
	884903BM6	THOMSON REUTERS CORP CALLABLE NOTES FIXE	1,200,000	1,139,244	1,125,528
	884903BB0	THOMSON REUTERS CORP CALLABLE NOTES FIXE	3,400,000	3,945,534	3,631,404
	884903AY1	THOMSON REUTERS CORP CALLABLE NOTES FIXE	940,000	1,061,636	999,709
	884903105	THOMSON REUTERS CORP COMMON STOCK CAD 0	29,134	1,105,782	1,275,487
	2889371	THOMSON REUTERS CORP COMMON STOCK CAD 0	76,630	3,140,755	3,357,652
	885160101	THOR INDUSTRIES INC COMMON STOCK USD 0.1	13,098	665,900	1,310,455
	5636927	THYSSENKRUPP AG COMMON STOCK EUR 0	81,678	1,910,551	1,950,433
	87246YAC0	TIAA ASSET MANAGEMENT FINANCE CO LLC CAL	7,135,000	7,254,023	7,206,564
	87246YAA4	TIAA ASSET MANAGEMENT FINANCE CO LLC CAL	2,460,000	2,455,572	2,502,460
	B1XDJC7	TIANNENG POWER INTERNATIONAL LTD COMMON	1,242,000	1,056,182	1,140,574
	886547108	TIFFANY & CO COMMON STOCK USD 0.01	15,364	692,006	1,189,635
	887991008	TIMCO AVIATION SERVICES INC EXP 27/FEB/2	16,712	55	0
	887228104	TIME INC COMMON STOCK USD 0.01	1,000	15,180	17,850
	88732JBD9	TIME WARNER CABLE LLC CALLABLE BOND FIXE	8,735,000	7,909,753	7,910,940
	88732JAY4	TIME WARNER CABLE LLC CALLABLE BOND FIXE	15,995,000	16,378,474	17,057,868
	88732JAL2	TIME WARNER CABLE LLC CALLABLE BOND FIXE	4,700,000	5,571,472	5,017,814
	88732JAJ7	TIME WARNER CABLE LLC CALLABLE BOND FIXE	22,220,000	25,254,497	25,154,151
	88732JBB3	TIME WARNER CABLE LLC CALLABLE NOTES FIX	15,505,000	15,005,691	15,762,538
	88732JAX6	TIME WARNER CABLE LLC CALLABLE NOTES FIX	100,000	105,559	103,384
	88732JAW8	TIME WARNER CABLE LLC CALLABLE NOTES FIX	4,075,000	4,515,916	4,324,920
	88732JAU2	TIME WARNER CABLE LLC CALLABLE NOTES FIX	5,890,000	6,227,561	6,847,596
	88732JAS7	TIME WARNER CABLE LLC CALLABLE NOTES FIX	5,920,000	6,760,946	6,652,304
	88732JAP3	TIME WARNER CABLE LLC CALLABLE NOTES FIX	11,730,000	13,820,066	13,219,006
	88732JAN8	TIME WARNER CABLE LLC CALLABLE NOTES FIX	14,150,000	16,711,837	17,406,481
	88732JAH1	TIME WARNER CABLE LLC CALLABLE NOTES FIX	4,085,000	4,511,792	4,142,966
	88731EAJ9	TIME WARNER ENTERTAINMENT CO LP BOND FIX	14,459,000	17,788,629	18,944,326
	887317AU9	TIME WARNER INC CALLABLE BOND FIXED 4.65	3,624,000	3,583,435	3,465,088
	887317AX3	TIME WARNER INC CALLABLE BOND FIXED 4.85	6,506,000	6,774,617	6,513,092
	887317AS4	TIME WARNER INC CALLABLE BOND FIXED 5.35	3,385,000	3,607,733	3,599,067
	887317AM7	TIME WARNER INC CALLABLE BOND FIXED 5.37	4,265,000	4,550,500	4,510,024
	887317AH8	TIME WARNER INC CALLABLE BOND FIXED 6.1%	9,350,000	10,709,835	10,673,306
	887317AE5	TIME WARNER INC CALLABLE BOND FIXED 6.2%	6,466,000	7,219,006	7,463,962
	887317AL9	TIME WARNER INC CALLABLE BOND FIXED 6.25	10,400,000	11,843,091	12,134,512
	887317AD7	TIME WARNER INC CALLABLE BOND FIXED 6.5%	4,260,000	5,063,624	5,152,385
	00184AAG0	TIME WARNER INC CALLABLE BOND FIXED 7.7%	8,650,000	10,792,899	11,722,913
	887317BA2	TIME WARNER INC CALLABLE NOTES FIXED 2.9	3,130,000	3,003,799	2,915,658
	887317AV7	TIME WARNER INC CALLABLE NOTES FIXED 3.5	300,000	292,668	297,561
	887317AW5	TIME WARNER INC CALLABLE NOTES FIXED 3.6	400,000	406,119	397,760
	887317BB0	TIME WARNER INC CALLABLE NOTES FIXED 3.8	29,605,000	29,461,666	29,436,844
	887317AZ8	TIME WARNER INC CALLABLE NOTES FIXED 3.8	3,300,000	3,445,091	3,303,564
	887317AR6	TIME WARNER INC CALLABLE NOTES FIXED 4.0	700,000	731,304	721,889
	887317AK1	TIME WARNER INC CALLABLE NOTES FIXED 4.7	6,279,000	6,952,218	6,726,693
	887317AG0	TIME WARNER INC CALLABLE NOTES FIXED 4.7	2,990,000	3,305,496	3,195,951
	887317AF2	TIME WARNER INC CALLABLE NOTES FIXED 4.8	660,000	731,201	704,530
	887317AP0	TIME WARNER INC CALLABLE NOTES FIXED 4.9	3,835,000	4,067,097	3,836,381
	887317303	TIME WARNER INC COMMON STOCK USD 0.01	76,802	3,372,082	7,413,697
	887389104	TIMKEN CO/THE COMMON STOCK USD 0	5,589	92,328	221,883
	6903556	TINGYI CAYMAN ISLANDS HOLDING CORP COMMO	232,657	239,560	282,976
	B2Q4CR0	TIS INC COMMON STOCK JPY	26,300	650,328	563,724

IBM
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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
B3KFW10	TISCO FINANCIAL GROUP PCL NVDR THB 10	499,200	731,300	839,888	
872540AQ2	TJX COS INC/THE CALLABLE NOTES FIXED 2.2	4,490,000	4,456,505	4,135,245	
872540109	TJX COS INC/THE COMMON STOCK USD 1	65,886	1,169,423	4,950,015	
6365145	TMB BANK PCL NVDR THB 0.95	4,316,800	331,258	253,146	
872590104	T-MOBILE US INC COMMON STOCK USD 0.0001	24,869	702,860	1,430,216	
87264AAC9	T-MOBILE USA INC CALLABLE BOND FIXED 6.4	3,850,000	3,927,000	3,917,375	
1C6068B	T-MOBILE USA INC TERM LOAN B LX148883	2,574,000	2,561,130	2,609,791	
888805AH1	TOBACCO SETTLEMENT AUTH IOWA TOB SETTLEM	1,200,000	1,124,784	1,187,448	
88880LAA1	TOBACCO SETTLEMENT FIN AUTH WEST VA ASSE	2,550,000	2,397,000	2,282,327	
6895169	TOBU RAILWAY CO LTD COMMON STOCK JPY	45,275	219,858	225,143	
B03MY33	TOFAS TURK OTOMOBIL FABRIKASI AS COMMON	69,840	451,119	489,214	
6895200	TOHO CO LTD/TOKYO COMMON STOCK JPY	5,014	145,053	142,078	
6895222	TOHO GAS CO LTD COMMON STOCK JPY	18,432	160,316	150,288	
6895556	TOHO HOLDINGS CO LTD COMMON STOCK JPY	28,100	546,595	561,831	
6895266	TOHOKU ELECTRIC POWER CO INC COMMON STOC	133,982	1,591,256	1,696,673	
6513126	TOKIO MARINE HOLDINGS INC COMMON STOCK J	53,600	2,117,388	2,204,018	
6895404	TOKYO ELECTRIC POWER CO HOLDINGS INC COM	63,717	243,581	257,851	
6895675	TOKYO ELECTRON LTD COMMON STOCK JPY	34,074	2,753,554	3,226,710	
6895448	TOKYO GAS CO LTD COMMON STOCK JPY	166,744	752,461	756,127	
6895426	TOKYO TATEMONO CO LTD COMMON STOCK JPY	15,400	196,946	206,372	
6689351	TOKYU CONSTRUCTION CO LTD COMMON STOCK J	45,000	445,346	363,442	
6896548	TOKYU CORP COMMON STOCK JPY	45,845	347,072	337,642	
BDC6LT2	TOKYU FUDOSAN HOLDINGS CORP COMMON STOCK	28,251	163,556	167,130	
889175BD6	TOLEDO EDISON CO/THE CALLABLE NOTES FIXE	1,325,000	1,150,021	1,563,831	
88947EAJ9	TOLL BROTHERS FINANCE CORP CALLABLE BOND	580,000	664,100	635,100	
88947EAR1	TOLL BROTHERS FINANCE CORP CALLABLE NOTE	1,100,000	1,100,000	1,080,750	
88947EAQ3	TOLL BROTHERS FINANCE CORP CALLABLE NOTE	160,000	162,400	166,000	
88947EAP5	TOLL BROTHERS FINANCE CORP CALLABLE NOTE	3,690,000	3,756,204	3,786,863	
889478103	TOLL BROTHERS INC COMMON STOCK USD 0.01	12,294	263,983	381,114	
6366007	TONENGENERAL SEKIYU KK COMMON STOCK JPY	13,065	122,716	138,004	
B3D0VR1	TONGYANG LIFE INSURANCE CO LTD COMMON ST	56,735	642,094	596,568	
B05L892	TOP GLOVE CORP BHD COMMON STOCK MYR 0.5	55,000	39,265	65,593	
89054XAB1	TOPAZ SOLAR FARMS LLC CALLABLE NOTES FIX	553,223	553,223	544,692	
89055F103	TOPBUILD CORP COMMON STOCK USD	3,008	102,204	107,085	
B94P973	TOPDANMARK A/S COMMON STOCK DKK 1	13,267	163,501	337,436	
TPH7IDX	TOPIX INDX FUTR EQUITY INDEX 09/MAR/2017	11	0	39,611	
6897024	TOPPAN PRINTING CO LTD COMMON STOCK JPY	23,439	216,194	224,272	
6897143	TORAY INDUSTRIES INC COMMON STOCK JPY	116,167	968,425	942,403	
891027104	TORCHMARK CORP COMMON STOCK USD 1	9,493	133,070	700,204	
891092108	TORO CO/THE COMMON STOCK USD 1	39,818	1,158,568	2,227,817	
8911453Y8	TORONTO-DOMINION BANK/THE BOND FIXED 1.9	1,535,000	1,532,375	1,529,489	
891160MJ9	TORONTO-DOMINION BANK/THE CALLABLE NOTES	12,803,000	12,798,618	12,506,354	
2897222	TORONTO-DOMINION BANK/THE COMMON STOCK C	213,988	9,880,694	10,566,560	
89114QBL1	TORONTO-DOMINION BANK/THE MEDIUM TERM NO	12,647,000	12,616,900	12,246,975	
89114QBG2	TORONTO-DOMINION BANK/THE MEDIUM TERM NO	2,620,000	2,615,546	2,579,940	
89114QBC1	TORONTO-DOMINION BANK/THE MEDIUM TERM NO	3,510,000	3,502,454	3,522,741	
8911457V0	TORONTO-DOMINION BANK/THE NOTES FIXED 2.	1,260,000	1,258,047	1,252,490	
B4VWV142	TORUNLAR GAYRIMENKUL YATIRIM ORTAKLIGI A	31,028	35,156	36,606	
891490AR5	TOSCO CORP BOND FIXED 7.8% 01/JAN/2027 U	1,900,000	2,552,821	2,429,473	
891490AT1	TOSCO CORP CALLABLE NOTES FIXED 8.125% 1	55,000	79,110	75,357	
6897217	TOSHIBA CORP COMMON STOCK JPY	177,805	637,803	431,574	
6900289	TOSOH CORP COMMON STOCK JPY	78,000	484,644	553,059	
89153VAL3	TOTAL CAPITAL INTERNATIONAL SA CALLABLE	150,000	148,964	157,052	
89153VAE9	TOTAL CAPITAL INTERNATIONAL SA CALLABLE	2,825,000	2,711,784	2,795,705	
89152UAG7	TOTAL CAPITAL SA CALLABLE NOTES FIXED 2.	2,500,000	2,539,150	2,519,150	
8.92E+113	TOTAL SA ADR USD	46,769	2,310,798	2,383,816	
B15C557	TOTAL SA COMMON STOCK EUR 2.5	167,202	8,165,419	8,592,079	
891906AD1	TOTAL SYSTEM SERVICES INC CALLABLE NOTES	541,000	539,788	558,393	
891906AC3	TOTAL SYSTEM SERVICES INC CALLABLE NOTES	1,135,000	1,131,936	1,222,985	
891906AA7	TOTAL SYSTEM SERVICES INC CALLABLE NOTES	645,000	641,762	647,670	
891906109	TOTAL SYSTEM SERVICES INC COMMON STOCK U	13,307	231,211	652,442	
6897466	TOTO LTD COMMON STOCK JPY	6,304	249,282	249,976	
B3QJ0H8	TOURMALINE OIL CORP COMMON STOCK CAD	36,695	972,356	982,601	
891707101	TOWER AUTOMOTIVE INC COM STK USD0.01	790	4	4	
M87915274	TOWER SEMICONDUCTOR LTD COMMON STOCK ILS	2,200	42,501	41,866	
6900267	TOYO SEIKAN GROUP HOLDINGS LTD COMMON ST	100,619	1,597,130	1,882,374	
6899967	TOYO SUISAN KAISHA LTD COMMON STOCK JPY	52,437	1,577,198	1,903,980	
6900557	TOYODA GOSEI CO LTD COMMON STOCK JPY	21,627	434,777	506,951	
89237WAB3	TOYOTA AUTO RECEIVABLES 2016-C 2016-C A2	451,000	450,978	450,241	
89237WAD9	TOYOTA AUTO RECEIVABLES 2016-C 2016-C A3	602,000	601,984	598,046	
89231LAD9	TOYOTA AUTO RECEIVABLES 2016-D OWNER TRU	1,386,000	1,385,826	1,375,661	
6900546	TOYOTA INDUSTRIES CORP COMMON STOCK JPY	9,286	406,426	443,461	
6900643	TOYOTA MOTOR CORP COMMON STOCK JPY	244,201	13,103,148	14,400,604	
89236TCR4	TOYOTA MOTOR CREDIT CORP BOND VARIABLE 1	6,210,000	6,210,000	6,228,195	
89236TDH5	TOYOTA MOTOR CREDIT CORP MEDIUM TERM NOT	11,293,000	11,287,354	11,156,355	
6900580	TOYOTA TSUSHO CORP COMMON STOCK JPY	110,897	2,549,834	2,895,198	
B1H0DZ5	TP ICAP PLC COMMON STOCK GBP 25	133,055	724,993	712,386	
87265K102	TPG SPECIALTY LENDING INC COMMON STOCK U	4,100	66,210	76,588	
6351876	TPG TELECOM LTD COMMON STOCK AUD 0	24,200	129,708	119,508	
89799Y178	TPG-AXON PARTNERS	74,295	100,000,000	57,750,817	
906692	TR EUROPEAN GROWTH TRUST PLC CLOSED-END	320,695	2,516,746	3,069,086	
906409	TR PROPERTY INVESTMENT TRUST PLC - ORDIN	56,220	221,339	207,502	
892356106	TRACTOR SUPPLY CO COMMON STOCK USD 0.008	10,656	180,741	807,831	
B2QKZ46	TRAKCJA PRKIL S.A.	14,968	37,233	50,774	
893045AE4	TRANS-ALLEGHENY INTERSTATE LINE CO CALLA	2,547,000	2,550,562	2,580,187	
2665184	TRANSCANADA CORP COMMON STOCK CAD 0	98,282	4,304,723	4,436,816	
89352HAD1	TRANSCANADA PIPELINES LTD CALLABLE BOND	12,909,000	15,019,590	16,005,869	
893526DK6	TRANSCANADA PIPELINES LTD CALLABLE BOND	1,070,000	1,144,547	1,116,855	
893526DJ9	TRANSCANADA PIPELINES LTD CALLABLE BOND	360,000	432,310	447,491	

IBM
Personal Pension Plan
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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
8935268Z9	TRANSCANADA PIPELINES LTD CALLABLE BOND	1,920,000	2,737,506	2,748,768	
89352HAT6	TRANSCANADA PIPELINES LTD CALLABLE NOTES	175,000	179,064	194,450	
89352HAQ2	TRANSCANADA PIPELINES LTD CALLABLE NOTES	15,604,000	15,597,602	15,592,453	
89352HAM1	TRANSCANADA PIPELINES LTD CALLABLE NOTES	5,655,000	5,698,660	5,963,141	
89352HAL3	TRANSCANADA PIPELINES LTD CALLABLE NOTES	8,725,000	8,775,584	9,691,730	
89352HAE9	TRANSCANADA PIPELINES LTD CALLABLE NOTES	1,370,000	1,832,448	1,849,473	
89352HAB5	TRANSCANADA PIPELINES LTD CALLABLE NOTES	360,000	414,702	429,120	
89356BAB4	TRANSCANADA TRUST CALLABLE NOTES VARIABL	5,965,000	5,965,000	6,203,600	
89356BAA6	TRANSCANADA TRUST CALLABLE NOTES VARIABL	4,156,000	4,156,000	4,197,560	
893574AG8	TRANSCONTINENTAL GAS PIPE LINE CO LLC CA	21,360,000	24,759,341	26,934,319	
893574AF0	TRANSCONTINENTAL GAS PIPE LINE CO LLC CA	4,200,000	4,280,861	3,835,608	
893574AB9	TRANSCONTINENTAL GAS PIPE LINE CO LLC CA	3,260,000	3,428,433	3,271,899	
893641100	TRANSDIGM GROUP INC COMMON STOCK USD 0.0	4,002	169,933	996,338	
893830BD0	TRANSOCEAN INC CALLABLE NOTES FIXED 2.5%	2,565,000	2,400,191	2,590,650	
H8817H100	TRANSOCEAN LTD COMMON STOCK USD 0.1	27,585	311,198	406,603	
893995209	TRANSPAC 1996 L P - IBM	374,416	13,200,793	0	
89400J107	TRANSUNION COMMON STOCK USD 0.01	5,215	147,298	161,300	
89400PAG8	TRANSURBAN FINANCE CO PTY LTD CALLABLE N	1,800,000	1,786,932	1,700,802	
6200882	TRANSURBAN GROUP STAPLED SECURITY AUD 0	89,354	669,279	667,717	
AAI9938C0	TRANSURBAN QUEENSLAND INVEST PTY BOND FI	5,000,000	5,000,000	4,853,100	
AAI9939C9	TRANSURBAN QUEENSLAND INVEST PTYL 12/20/	5,000,000	5,000,000	4,810,150	
89417EAD1	TRAVELERS COS INC/THE CALLABLE MEDIUM TE	3,165,000	4,110,881	4,067,088	
89417EAL3	TRAVELERS COS INC/THE CALLABLE NOTES FIX	5,620,000	5,431,182	5,303,032	
89417EAJ8	TRAVELERS COS INC/THE CALLABLE NOTES FIX	2,210,000	2,204,298	2,389,518	
89417EAH2	TRAVELERS COS INC/THE CALLABLE NOTES FIX	2,005,000	2,148,431	2,361,790	
792860AK4	TRAVELERS COS INC/THE CALLABLE NOTES FIX	790,000	1,043,029	1,055,693	
8.94E+113	TRAVELERS COS INC/THE COMMON STOCK USD 0	33,526	1,846,930	4,104,253	
893939AE8	TRAVELERS PROPERTY CASUALTY CORP BOND FI	540,000	751,010	709,220	
G9019D104	TRAVELPORT WORLDWIDE LTD COMMON STOCK US	500	6,978	7,050	
6321954	TRAVELSKY TECHNOLOGY LTD COMMON STOCK HK	711,000	1,385,439	1,494,786	
773960	TRAVIS PERKINS PLC COMMON STOCK GBP 10	10,963	193,515	196,694	
B61JC67	TREASURY WINE ESTATES LTD COMMON STOCK A	32,511	267,890	251,420	
89469A104	TREEHOUSE FOODS INC COMMON STOCK USD 0.0	4,357	423,999	314,532	
6125286	TREND MICRO INC/JAPAN COMMON STOCK JPY	12,381	460,096	441,060	
89531P105	TREX CO INC COMMON STOCK USD 0.01	460	19,691	29,624	
096995477	TRI PARTY REPO BNP		3,587,631	3,587,631	
895999118	TRIAD VENTURES L P - IBM RESTICTED	4	406,417	0	
896047503	TRIBUNE MEDIA CO COMMON STOCK USD	6,325	341,518	221,249	
896239100	TRIMBLE INC	91,107	2,013,492	2,746,876	
896288107	TRINET GROUP INC COMMON STOCK USD 0.0000	5,700	113,967	146,034	
89641UAB7	TRINITY ACQUISITION LTD 6.125% SNR NTS 1	1,055,000	1,184,265	1,127,816	
896516AA9	TRINITY HEALTH CORP CALLABLE BOND FIXED	980,000	979,030	951,364	
896522109	TRINITY INDUSTRIES INC COMMON STOCK USD	20,766	425,616	576,464	
L9340P101	TRINSEO SA COMMON STOCK USD 0.01	1,200	63,100	71,160	
896945201	TRIPADVISOR INC COMMON STOCK USD 0.001	33,021	1,669,200	1,531,184	
6474137	TROPICANA CORP BHD COMMON STOCK MYR 1	143,400	32,260	31,966	
898402102	TRUSTMARK CORP COMMON STOCK USD 0	2,130	48,861	75,935	
BXDZ972	TRYG A/S COMMON STOCK DKK 5	5,102	95,919	92,421	
B1P1JR4	TS TECH CO LTD COMMON STOCK JPY	20,500	536,005	529,044	
6905808	TSINGTAO BREWERY CO LTD COMMON STOCK HKD	54,000	90,220	204,072	
6906919	TSUMURA & CO COMMON STOCK JPY	18,100	495,690	499,696	
B0MKZN5	TSURUHA HOLDINGS INC COMMON STOCK JPY	1,600	175,682	152,270	
87305QCL3	TTX CO CALLABLE MEDIUM TERM NOTE FIXED 2	3,760,000	3,755,150	3,757,857	
899043AA1	TUFTS UNIVERSITY CALLABLE BOND FIXED 5.0	715,000	734,762	746,360	
B11LJN4	TUI AG COMMON STOCK GBP 0	119,255	1,561,052	1,713,767	
5666292	TUI AG COMMON STOCK GBP 0	42,266	452,116	593,584	
899896104	TUPPERWARE BRANDS CORP COMMON STOCK USD	19,289	1,017,403	1,014,987	
B03MYP5	TURKIYE GARANTI BANKASI AS COMMON STOCK	600,396	1,644,578	1,300,608	
90014QAA5	TURKIYE GARANTI BANKASI AS MEDIUM TERM N	525,000	522,900	521,981	
B1WTMP0	TURKIYE HALK BANKASI AS COMMON STOCK TRY	120,434	370,977	319,779	
B03MYS8	TURKIYE IS BANKASI COMMON STOCK TRY 1	1,084,512	1,912,034	1,597,047	
B03MXR0	TURKIYE SISE VE CAM FABRIKALARI AS COMMO	283,839	334,195	309,047	
B0N6YC4	TURKIYE VAKIFLAR BANKASI TAO COMMON STOC	598,675	875,120	740,345	
90015WAD5	TURKIYE VAKIFLAR BANKASI TAO MEDIUM TERM	305,000	303,502	288,988	
B7WJ1F5	TURQUOISE HILL RESOURCES LTD COMMON STOC	115,084	392,053	369,868	
900435108	TURQUOISE HILL RESOURCES LTD COMMON STOC	23,036	71,073	74,406	
6312679	TVS SRICHAKRA LTD COMMON STOCK INR 10	719	29,344	33,935	
90130A200	TWENTY-FIRST CENTURY FOX INC COMMON STOC	1,740	46,555	47,415	
90130A101	TWENTY-FIRST CENTURY FOX INC COMMON STOC	120,123	1,747,800	3,368,249	
90184L102	TWITTER INC COMMON STOCK USD 0.000005	92,526	2,730,458	1,508,174	
90187B101	TWO HARBORS INVESTMENT CORP REIT USD	28,101	287,969	245,041	
902133AN7	TYCO ELECTRONICS GROUP SA CALLABLE NOTES	1,300,000	1,293,409	1,312,545	
902133AK3	TYCO ELECTRONICS GROUP SA CALLABLE NOTES	1,188,000	1,339,751	1,283,159	
902133AG2	TYCO ELECTRONICS GROUP SA CALLABLE NOTES	750,000	895,532	976,710	
902133AF4	TYCO ELECTRONICS GROUP SA CALLABLE NOTES	2,865,000	2,988,797	2,971,721	
902252105	TYLER TECHNOLOGIES INC COMMON STOCK USD	2,647	406,408	377,912	
902494AX1	TYSON FOODS INC CALLABLE BOND FIXED 3.95	2,142,000	2,139,378	2,182,248	
902494AY9	TYSON FOODS INC CALLABLE BOND FIXED 5.15	3,485,000	3,894,164	3,613,527	
902494AW3	TYSON FOODS INC CALLABLE NOTES FIXED 2.6	217,000	217,621	219,068	
902494AT0	TYSON FOODS INC CALLABLE NOTES FIXED 4.5	1,175,000	1,238,767	1,250,353	
902494103	TYSON FOODS INC COMMON STOCK USD 0.1	23,307	395,654	1,437,576	
909317BE8	UAL 2009-2A PASS THROUGH TRUST CALLABLE	154,345	154,345	154,837	
6910705	UBE INDUSTRIES LTD COMMON STOCK JPY	262,000	466,633	550,349	
90969QAA0	UBM PLC CALLABLE NOTES FIXED 5.75% 03/NO	1,941,000	2,050,085	2,040,593	
B9B45R5	UBS AG CALLABLE MEDIUM TERM NOTE VARIABL	400,000	394,450	408,000	
90261XHH8	UBS AG/STAMFORD CT MEDIUM TERM NOTE FIXE	5,520,000	5,517,341	5,523,809	
90261XHE5	UBS AG/STAMFORD CT MEDIUM TERM NOTE FIXE	4,850,000	4,847,959	4,873,523	
90261AAB8	UBS AG/STAMFORD CT NOTES FIXED 7.625% 17	10,622,000	12,380,215	12,042,693	
90269GAC5	UBS COMMERCIAL MORTGAGE TRUST 2012-C1 20	2,143,162	2,239,085	2,232,892	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
BRJL176	UBS GROUP AG COMMON STOCK CHF 0.1	367,952	6,065,278	5,774,423	
90351DAA5	UBS GROUP FUNDING JERSEY LTD BOND FIXED	1,285,000	1,282,803	1,285,565	
90351DAH0	UBS GROUP FUNDING JERSEY LTD NOTES FIXED	3,095,000	3,039,950	3,008,031	
90351DAF4	UBS GROUP FUNDING JERSEY LTD NOTES FIXED	8,205,000	8,348,860	8,391,418	
90351DAB3	UBS GROUP FUNDING JERSEY LTD NOTES FIXED	7,450,000	7,439,995	7,593,562	
90349GAG0	UBS-BARCLAYS COMMERCIAL MORTGAGE TRUST 2	10,501,613	679,502	594,920	
90270RBB9	UBS-BARCLAYS COMMERCIAL MORTGAGE TRUST 2	318,000	319,242	318,384	
90269CAB6	UBS-BARCLAYS COMMERCIAL MORTGAGE TRUST 2	318,850	324,878	319,200	
90268TAE4	UBS-CITIGROUP COMMERCIAL MORTGAGE TRUST	16,772,653	1,432,087	1,467,917	
5596991	UCB SA COMMON STOCK EUR 0	8,841	629,142	567,988	
90266DAB7	UCI INTERNATIONAL LLC CALLABLE NOTES FIX	300,000	280,844	57,000	
04299RN08	UCL ASIA PARTNERS LP IBM	100	0	20,890,732	
90265EAL4	UDR INC CALLABLE MEDIUM TERM NOTE FIXED	2,885,000	2,885,000	2,698,542	
90265EAJ9	UDR INC CALLABLE MEDIUM TERM NOTE FIXED	2,300,000	2,291,996	2,330,107	
90265EAG5	UDR INC CALLABLE MEDIUM TERM NOTE FIXED	5,992,000	6,429,521	6,418,750	
902653104	UDR INC REIT USD 0.01	21,235	391,007	774,653	
6342289	UFLEX LTD COMMON STOCK INR 10	167,048	511,451	672,056	
902681105	UGI CORP COMMON STOCK USD 0	13,847	165,022	638,070	
6718073	UJU ELECTRONICS CO LTD COMMON STOCK KRW	2,481	35,520	34,612	
90384S303	ULTA BEAUTY INC COMMON STOCK USD 0.01	4,663	338,465	1,188,785	
90385D107	ULTIMATE SOFTWARE GROUP INC/THE COMMON S 0.01	2,201	388,050	401,352	
90385V107	ULTRA CLEAN HOLDINGS INC COMMON STOCK US	16,250	84,400	157,625	
B0FHTN1	ULTRAPAR PARTICIPACOE S SA COMMON STOCK B	42,600	927,915	895,926	
6599483	ULVAC INC COMMON STOCK JPY	18,800	228,392	577,048	
4005001	UMICORE SA COMMON STOCK EUR 0	10,515	634,086	600,561	
904214103	UMPQUA HOLDINGS CORP COMMON STOCK USD 0	22,550	377,102	423,489	
904311AA5	UNDER ARMOUR INC CALLABLE NOTES FIXED 3.	2,900,000	2,905,829	2,738,847	
904311206	UNDER ARMOUR INC COMMON STOCK USD 0.0003	15,426	179,348	388,272	
904311107	UNDER ARMOUR INC COMMON STOCK USD 0.0003	13,898	175,817	403,737	
B1YY4B3	UNIBAIL-RODAMCO SE REIT EUR 5	4,401	1,194,991	1,052,563	
7076242	UNIBAIL-RODAMCO SE REIT EUR 5	5,343	1,244,967	1,277,856	
6911485	UNICHARM CORP COMMON STOCK JPY	18,827	420,962	412,827	
B6W0XS8	UNICREDIT SPA EUR COMMON STOCK	105,188	265,830	303,551	
B5M1SM3	UNICREDIT SPA EUR COMMON STOCK	729,673	3,351,180	2,104,148	
904764AH0	UNILEVER CAPITAL CORP CALLABLE NOTES FIX	1,835,000	2,601,566	2,379,683	
6687184	UNILEVER INDONESIA TBK PT COMMON STOCK I	214,000	682,425	616,307	
B12T3J1	UNILEVER NV DUTCH CERT EUR 0.16	154,713	6,276,255	6,382,924	
B10RZP7	UNILEVER PLC COMMON STOCK GBP 3.11	167,805	6,100,308	6,826,941	
6923372	UNION BANK OF TAIWAN COMMON STOCK TWD 10	189,000	53,491	52,485	
906548CJ9	UNION ELECTRIC CO CALLABLE NOTES FIXED 3	5,515,000	5,712,609	5,433,378	
907818EM6	UNION PACIFIC CORP CALLABLE NOTES FIXED	11,328,000	10,954,600	10,574,348	
907818EK0	UNION PACIFIC CORP CALLABLE NOTES FIXED	500,000	497,135	447,905	
907818EJ3	UNION PACIFIC CORP CALLABLE NOTES FIXED	5,325,000	5,379,121	5,340,230	
907818EG9	UNION PACIFIC CORP CALLABLE NOTES FIXED	7,910,000	7,605,268	7,866,337	
907818EF1	UNION PACIFIC CORP CALLABLE NOTES FIXED	5,580,000	5,553,941	5,615,991	
907818EB0	UNION PACIFIC CORP CALLABLE NOTES FIXED	280,000	279,152	264,807	
907818DZ8	UNION PACIFIC CORP CALLABLE NOTES FIXED	315,000	354,977	317,221	
907818DU9	UNION PACIFIC CORP CALLABLE NOTES FIXED	610,000	681,737	664,266	
907818DP0	UNION PACIFIC CORP CALLABLE NOTES FIXED	2,155,000	2,227,983	2,219,499	
907818DL9	UNION PACIFIC CORP CALLABLE NOTES FIXED	795,000	751,824	823,612	
907818DK1	UNION PACIFIC CORP CALLABLE NOTES FIXED	2,000,000	2,204,420	2,155,280	
907818DG0	UNION PACIFIC CORP CALLABLE NOTES FIXED	150,000	158,147	158,958	
907818108	UNION PACIFIC CORP COMMON STOCK USD 2.5	76,362	1,786,614	7,917,212	
907833AJ6	UNION PACIFIC RAILROAD CO 2000 PASS THRO	4,453,652	4,453,652	4,735,702	
90783VAA1	UNION PACIFIC RAILROAD CO 2006 PASS THRO	1,201,534	1,396,784	1,346,980	
BZ6CZ43	UNIPER SE COMMON STOCK EUR	11,015	131,468	152,371	
5297294	UNIPETROL AS COMMON STOCK CZK 100	3,384	23,791	24,279	
B89YH96	UNIPOLSAI ASSICURAZIONI SPA COMMON STOCK	48,986	91,662	104,886	
6700393	UNI-PRESIDENT ENTERPRISES CORP COMMON ST	1,300,000	2,434,211	2,153,961	
909319AA3	UNITED AIRLINES 2013-1 CLASS A PASS THRO	3,577,049	3,521,057	3,684,361	
90931QAA5	UNITED AIRLINES 2013-1 CLASS B PASS THRO	866,506	866,506	899,000	
90932PAA6	UNITED AIRLINES 2014-1 CLASS A PASS THRO	7,175,284	7,458,360	7,318,790	
90932QAB2	UNITED AIRLINES 2014-2 CLASS B PASS THRO	1,139,326	1,139,326	1,164,961	
90931MAA4	UNITED AIRLINES 2016-1 CLASS A PASS THRO	1,800,000	1,800,000	1,750,500	
90931LAA6	UNITED AIRLINES 2016-1 CLASS AA PASS THR	1,645,000	1,645,000	1,587,425	
90932EAA1	UNITED AIRLINES 2016-2 CLASS AA PASS THR	2,200,000	2,205,500	2,073,500	
90944WAA7	UNITED AUTO CREDIT SECURITIZATION TRUST	424,613	424,609	424,972	
909907107	UNITED BANKSHARES INC/WV COMMON STOCK US	500	22,965	23,125	
90964*AG0	UNITED BOTTLING MANAGEMENT COMPANY LLC S	5,000,000	5,000,000	4,987,800	
909870107	UNITED COMPANIES FINANCIAL CORP COM STK	7,400	0	37	
910047109	UNITED CONTINENTAL HOLDINGS INC COMMON S	63,139	2,863,282	4,601,570	
6651093	UNITED DEVELOPMENT CO QSC COMMON STOCK Q	43,581	263,423	247,143	
4354134	UNITED INTERNET AG COMMON STOCK EUR 0	5,418	228,962	211,984	
BXRCVV8	UNITED KINGDOM OF GREAT BRITAIN AND NORT	800,000	1,005,397	988,125	
BXR9JJ2	UNITED KINGDOM OF GREAT BRITAIN AND NORT	1,195,350	1,457,169	1,476,960	
91087BAB6	UNITED MEXICAN STATES CALLABLE BOND FIXE	480,000	446,278	411,000	
91086QBC1	UNITED MEXICAN STATES CALLABLE BOND FIXE	1,188,000	1,236,177	1,190,851	
91086QAZ1	UNITED MEXICAN STATES CALLABLE BOND FIXE	594,000	656,993	547,965	
91086QBB3	UNITED MEXICAN STATES CALLABLE MEDIUM TE	340,000	372,691	309,825	
91086QAG3	UNITED MEXICAN STATES MEDIUM TERM NOTE F	500,000	707,500	738,750	
6916628	UNITED MICROELECTRONICS CORP COMMON STOC	6,560,000	2,714,441	2,320,395	
6916781	UNITED OVERSEAS BANK LTD COMMON STOCK SG	65,123	891,319	919,574	
911312AZ9	UNITED PARCEL SERVICE INC CALLABLE NOTES	4,080,000	4,044,218	3,761,026	
911312AN6	UNITED PARCEL SERVICE INC CALLABLE NOTES	1,500,000	1,760,190	1,715,550	
911312AJ5	UNITED PARCEL SERVICE INC CALLABLE NOTES	1,300,000	1,798,070	1,710,202	
911312106	UNITED PARCEL SERVICE INC COMMON STOCK U	84,423	6,301,507	9,678,253	
911363109	UNITED RENTALS INC COMMON STOCK USD 0.01	7,038	252,949	743,072	
911365AZ7	UNITED RENTALS NORTH AMERICA INC CALLABL	710,000	801,196	747,275	
911684108	UNITED STATES CELLULAR CORP COMMON STOCK	1,257	69,650	54,956	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
101590S	UNITED STATES DOLLAR	304,500	304,500	304,500	
912796KM0	UNITED STATES OF AMERICA BILL ZERO CPN 0	5,450,000	5,445,105	5,445,259	
912796JE0	UNITED STATES OF AMERICA BILL ZERO CPN 0	14,350,000	14,338,476	14,338,807	
912796HV4	UNITED STATES OF AMERICA BILL ZERO CPN 0	106,000,000	105,996,214	105,997,880	
912796KN8	UNITED STATES OF AMERICA BILL ZERO CPN 1	31,200,000	31,167,330	31,168,800	
912796KH1	UNITED STATES OF AMERICA BILL ZERO CPN 1	208,560,000	208,438,692	208,447,378	
912796KD0	UNITED STATES OF AMERICA BILL ZERO CPN 1	9,400,000	9,398,489	9,398,308	
912796KE8	UNITED STATES OF AMERICA BILL ZERO CPN 2	32,035,000	32,027,547	32,026,351	
912796JT7	UNITED STATES OF AMERICA BILL ZERO CPN 2	4,000,000	3,991,244	3,990,400	
912810RA8	UNITED STATES OF AMERICA BOND FIXED .625	109,580,000	105,179,938	105,475,043	
912810RL4	UNITED STATES OF AMERICA BOND FIXED .75%	194,410,000	182,413,248	187,766,794	
912810QV3	UNITED STATES OF AMERICA BOND FIXED .75%	145,870,000	147,333,248	147,723,792	
912810RR1	UNITED STATES OF AMERICA BOND FIXED 1% 1	139,520,000	146,904,394	142,927,216	
912810RF7	UNITED STATES OF AMERICA BOND FIXED 1.37	170,075,000	193,487,147	192,494,365	
912810PV4	UNITED STATES OF AMERICA BOND FIXED 1.75	6,100,000	8,093,430	7,858,067	
912810QP6	UNITED STATES OF AMERICA BOND FIXED 2.12	80,380,000	112,197,922	110,442,440	
912810QF8	UNITED STATES OF AMERICA BOND FIXED 2.12	62,380,000	87,512,847	86,397,905	
912810RT7	UNITED STATES OF AMERICA BOND FIXED 2.25	237,884,800	200,136,831	200,018,298	
912810FR4	UNITED STATES OF AMERICA BOND FIXED 2.37	1,450,000	2,170,961	2,134,900	
912810RS9	UNITED STATES OF AMERICA BOND FIXED 2.5%	23,819,000	21,562,687	21,167,231	
912810RQ3	UNITED STATES OF AMERICA BOND FIXED 2.5%	19,988,000	18,898,611	17,761,137	
912810RK6	UNITED STATES OF AMERICA BOND FIXED 2.5%	11,140,000	10,730,017	9,922,844	
912810RU4	UNITED STATES OF AMERICA BOND FIXED 2.87	4,278,000	4,084,720	4,130,281	
912810RP5	UNITED STATES OF AMERICA BOND FIXED 3% 1	5,365,400	5,896,490	5,292,055	
912810RM2	UNITED STATES OF AMERICA BOND FIXED 3% 1	395,000	397,637	389,660	
912810RJ9	UNITED STATES OF AMERICA BOND FIXED 3% 1	5,700,000	6,306,491	5,630,745	
912810QU5	UNITED STATES OF AMERICA BOND FIXED 3.12	220,000	230,991	223,241	
912810RG5	UNITED STATES OF AMERICA BOND FIXED 3.37	1,395,000	1,388,463	1,479,300	
912810FQ6	UNITED STATES OF AMERICA BOND FIXED 3.37	37,810,000	72,443,737	71,174,056	
912810RE0	UNITED STATES OF AMERICA BOND FIXED 3.62	13,480,000	14,118,104	14,941,232	
912810RC4	UNITED STATES OF AMERICA BOND FIXED 3.62	825,000	797,285	914,884	
912810QH4	UNITED STATES OF AMERICA BOND FIXED 4.37	5,500,000	5,747,522	6,795,305	
912810FT0	UNITED STATES OF AMERICA BOND FIXED 4.5%	2,510,000	2,800,734	3,175,928	
912810EW4	UNITED STATES OF AMERICA BOND FIXED 6% 1	4,000,000	5,172,047	5,172,360	
912810EL8	UNITED STATES OF AMERICA BOND FIXED 8% 1	9,000,000	12,615,031	11,527,020	
912810EG9	UNITED STATES OF AMERICA BOND FIXED 8.75	10,000,000	13,821,100	12,487,900	
912834NF1	UNITED STATES OF AMERICA BOND ZERO CPN 1	22,800,000	11,816,784	9,542,940	
912834MM7	UNITED STATES OF AMERICA BOND ZERO CPN 1	23,615,000	10,414,102	10,122,097	
912834MD7	UNITED STATES OF AMERICA BOND ZERO CPN 1	9,165,000	4,222,682	3,961,938	
912834LX4	UNITED STATES OF AMERICA BOND ZERO CPN 1	15,240,000	6,488,111	6,617,056	
912834LB2	UNITED STATES OF AMERICA BOND ZERO CPN 1	27,245,000	12,381,384	12,160,533	
912834KV9	UNITED STATES OF AMERICA BOND ZERO CPN 1	30,755,000	15,603,471	13,861,279	
912834KP2	UNITED STATES OF AMERICA BOND ZERO CPN 1	15,995,000	7,467,635	7,274,686	
912834KH0	UNITED STATES OF AMERICA BOND ZERO CPN 1	98,955,000	45,220,089	45,526,227	
912834JH2	UNITED STATES OF AMERICA BOND ZERO CPN 1	127,185,000	61,912,800	59,375,045	
912834JB5	UNITED STATES OF AMERICA BOND ZERO CPN 1	143,735,000	63,470,270	67,898,977	
912834HV3	UNITED STATES OF AMERICA BOND ZERO CPN 1	142,240,000	60,566,818	67,791,584	
912834FB9	UNITED STATES OF AMERICA BOND ZERO CPN 1	108,315,000	52,344,555	52,116,845	
912834EV6	UNITED STATES OF AMERICA BOND ZERO CPN 1	32,280,000	12,380,686	15,693,568	
912834EP9	UNITED STATES OF AMERICA BOND ZERO CPN 1	62,900,000	27,957,838	30,999,007	
912834DV7	UNITED STATES OF AMERICA BOND ZERO CPN 1	75,815,000	33,072,677	37,521,602	
912834DU9	UNITED STATES OF AMERICA BOND ZERO CPN 1	10,785,000	5,836,239	5,436,179	
912834AU2	UNITED STATES OF AMERICA BOND ZERO CPN 1	50,975,000	21,998,829	25,485,461	
912834AT5	UNITED STATES OF AMERICA BOND ZERO CPN 1	9,285,000	4,638,879	4,752,992	
912834AE8	UNITED STATES OF AMERICA BOND ZERO CPN 1	87,555,000	47,848,110	45,070,687	
912834AD0	UNITED STATES OF AMERICA BOND ZERO CPN 1	96,285,000	42,588,034	50,677,684	
912833Z60	UNITED STATES OF AMERICA BOND ZERO CPN 1	33,470,000	18,432,850	17,432,515	
912833Z52	UNITED STATES OF AMERICA BOND ZERO CPN 1	76,645,000	40,257,245	40,720,722	
912833Y46	UNITED STATES OF AMERICA BOND ZERO CPN 1	100,295,000	58,800,729	53,813,282	
912833Y38	UNITED STATES OF AMERICA BOND ZERO CPN 1	67,275,000	38,587,756	36,730,805	
912833XZ8	UNITED STATES OF AMERICA BOND ZERO CPN 1	146,195,000	99,404,978	98,064,862	
912833XY1	UNITED STATES OF AMERICA BOND ZERO CPN 1	188,405,000	139,081,656	128,516,703	
912833XX3	UNITED STATES OF AMERICA BOND ZERO CPN 1	204,950,000	151,819,441	141,946,321	
912833XU9	UNITED STATES OF AMERICA BOND ZERO CPN 1	261,880,000	189,157,242	179,982,268	
912833XT2	UNITED STATES OF AMERICA BOND ZERO CPN 1	309,560,000	225,776,290	216,329,815	
912833XS4	UNITED STATES OF AMERICA BOND ZERO CPN 1	66,460,000	48,170,358	47,153,370	
912833XP0	UNITED STATES OF AMERICA BOND ZERO CPN 1	80,140,000	60,639,724	56,392,114	
912833XN5	UNITED STATES OF AMERICA BOND ZERO CPN 1	130,950,000	95,864,657	93,555,918	
912833X88	UNITED STATES OF AMERICA BOND ZERO CPN 1	316,425,000	191,978,452	182,377,877	
912833WR7	UNITED STATES OF AMERICA BOND ZERO CPN 1	183,170,000	132,055,193	131,959,331	
912833WQ9	UNITED STATES OF AMERICA BOND ZERO CPN 1	55,000,000	43,647,550	40,286,950	
912833RZ5	UNITED STATES OF AMERICA BOND ZERO CPN 1	238,955,000	181,313,201	173,753,739	
912833RY8	UNITED STATES OF AMERICA BOND ZERO CPN 1	165,600,000	130,363,063	122,507,568	
912833QB9	UNITED STATES OF AMERICA BOND ZERO CPN 1	275,500,000	217,470,971	205,421,065	
912833PD6	UNITED STATES OF AMERICA BOND ZERO CPN 1	416,385,000	327,815,516	316,265,227	
912833PC8	UNITED STATES OF AMERICA BOND ZERO CPN 1	29,400,000	24,579,870	22,493,940	
912833PB0	UNITED STATES OF AMERICA BOND ZERO CPN 1	246,395,000	199,495,200	189,763,573	
912833PA2	UNITED STATES OF AMERICA BOND ZERO CPN 1	103,350,000	86,297,011	80,395,965	
912833LZ1	UNITED STATES OF AMERICA BOND ZERO CPN 1	220,600,000	183,434,972	172,930,546	
912833LY4	UNITED STATES OF AMERICA BOND ZERO CPN 1	165,100,000	138,495,326	130,283,712	
912833LX6	UNITED STATES OF AMERICA BOND ZERO CPN 1	65,500,000	54,882,990	52,158,960	
912833LV0	UNITED STATES OF AMERICA BOND ZERO CPN 1	109,650,000	94,045,824	88,925,054	
912833LU2	UNITED STATES OF AMERICA BOND ZERO CPN 1	138,700,000	116,874,019	113,456,600	
912833LT5	UNITED STATES OF AMERICA BOND ZERO CPN 1	82,600,000	69,834,789	68,208,602	
912833LQ1	UNITED STATES OF AMERICA BOND ZERO CPN 1	62,300,000	54,232,150	52,668,420	
912833LP3	UNITED STATES OF AMERICA BOND ZERO CPN 1	150,150,000	132,795,482	127,966,839	
912833LN8	UNITED STATES OF AMERICA BOND ZERO CPN 1	75,350,000	67,687,941	65,183,025	
912833LM0	UNITED STATES OF AMERICA BOND ZERO CPN 1	100,800,000	90,399,583	86,581,152	
912833LK4	UNITED STATES OF AMERICA BOND ZERO CPN 1	73,000,000	65,641,600	64,207,880	

IBM
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Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
912833LJ7	UNITED STATES OF AMERICA BOND ZERO CPN 1	128,100,000	116,092,660	113,441,517	
912833LH1	UNITED STATES OF AMERICA BOND ZERO CPN 1	42,850,000	38,958,792	38,229,056	
912833LG3	UNITED STATES OF AMERICA BOND ZERO CPN 1	191,800,000	177,308,190	172,416,692	
9128337W4	UNITED STATES OF AMERICA BOND ZERO CPN 1	323,368,000	197,922,610	189,742,641	
9128337V6	UNITED STATES OF AMERICA BOND ZERO CPN 1	222,860,000	135,876,053	132,942,676	
9128337U8	UNITED STATES OF AMERICA BOND ZERO CPN 1	225,155,000	141,817,550	136,919,007	
9128337T1	UNITED STATES OF AMERICA BOND ZERO CPN 1	12,311,000	5,383,745	7,613,738	
9128337S3	UNITED STATES OF AMERICA BOND ZERO CPN 1	175,799,000	109,543,398	110,742,822	
9128337R5	UNITED STATES OF AMERICA BOND ZERO CPN 1	57,974,000	37,924,894	37,128,289	
9128337Q7	UNITED STATES OF AMERICA BOND ZERO CPN 1	216,400,000	149,996,946	140,954,304	
9128337P9	UNITED STATES OF AMERICA BOND ZERO CPN 1	79,000,000	55,612,050	52,347,770	
9128337N4	UNITED STATES OF AMERICA BOND ZERO CPN 1	196,495,000	140,517,206	132,661,634	
9128337F1	UNITED STATES OF AMERICA BOND ZERO CPN 1	3,230,000	1,787,920	1,748,044	
9128335A4	UNITED STATES OF AMERICA BOND ZERO CPN 1	158,010,000	85,551,336	90,372,239	
9128334Z0	UNITED STATES OF AMERICA BOND ZERO CPN 1	109,010,000	69,554,880	63,363,153	
9128334Y3	UNITED STATES OF AMERICA BOND ZERO CPN 1	109,261,000	61,602,182	64,866,070	
9128334X5	UNITED STATES OF AMERICA BOND ZERO CPN 1	101,705,000	64,763,231	61,324,047	
9128334W7	UNITED STATES OF AMERICA BOND ZERO CPN 1	70,695,000	43,482,233	43,403,902	
9128334V9	UNITED STATES OF AMERICA BOND ZERO CPN 1	155,375,000	86,403,378	96,950,893	
9128334U1	UNITED STATES OF AMERICA BOND ZERO CPN 1	151,041,000	86,889,983	95,975,983	
9128334T4	UNITED STATES OF AMERICA BOND ZERO CPN 1	159,200,000	111,934,690	102,730,168	
9128334S6	UNITED STATES OF AMERICA BOND ZERO CPN 1	96,600,000	66,332,108	63,547,344	
912803EP4	UNITED STATES OF AMERICA BOND ZERO CPN 1	8,350,000	4,067,706	3,397,198	
912803EL3	UNITED STATES OF AMERICA BOND ZERO CPN 1	37,250,000	16,350,143	15,380,898	
912803EJ8	UNITED STATES OF AMERICA BOND ZERO CPN 1	48,600,000	22,612,518	20,393,046	
912803EH2	UNITED STATES OF AMERICA BOND ZERO CPN 1	389,220,000	175,652,815	165,153,830	
912803EF6	UNITED STATES OF AMERICA BOND ZERO CPN 1	441,650,000	180,914,651	189,401,603	
912803EE9	UNITED STATES OF AMERICA BOND ZERO CPN 1	767,705,000	349,923,953	334,120,570	
912803ED1	UNITED STATES OF AMERICA BOND ZERO CPN 1	482,600,000	247,860,632	211,509,102	
912803EC3	UNITED STATES OF AMERICA BOND ZERO CPN 1	447,520,000	204,202,133	195,539,389	
912803EA7	UNITED STATES OF AMERICA BOND ZERO CPN 1	86,625,000	41,606,657	38,192,963	
912803DZ3	UNITED STATES OF AMERICA BOND ZERO CPN 1	237,755,000	119,611,376	105,463,363	
912803DY6	UNITED STATES OF AMERICA BOND ZERO CPN 1	135,970,000	59,558,939	60,815,302	
912803DT7	UNITED STATES OF AMERICA BOND ZERO CPN 1	163,070,000	83,571,504	75,680,787	
912803DP5	UNITED STATES OF AMERICA BOND ZERO CPN 1	189,260,000	92,369,370	90,530,628	
912803DN0	UNITED STATES OF AMERICA BOND ZERO CPN 1	105,005,000	54,374,312	50,580,909	
912803DM2	UNITED STATES OF AMERICA BOND ZERO CPN 1	278,555,000	157,050,921	135,957,124	
912803DK6	UNITED STATES OF AMERICA BOND ZERO CPN 1	482,620,000	260,744,888	238,047,489	
912803DJ9	UNITED STATES OF AMERICA BOND ZERO CPN 1	330,190,000	179,408,342	164,543,583	
912803DH3	UNITED STATES OF AMERICA BOND ZERO CPN 1	231,725,000	124,398,976	116,754,641	
912803DG5	UNITED STATES OF AMERICA BOND ZERO CPN 1	95,205,000	50,867,060	48,415,551	
912803DA8	UNITED STATES OF AMERICA BOND ZERO CPN 1	129,515,000	74,423,019	73,041,279	
912803CZ4	UNITED STATES OF AMERICA BOND ZERO CPN 1	32,600,000	19,073,934	18,507,672	
912803CX9	UNITED STATES OF AMERICA BOND ZERO CPN 1	103,350,000	65,419,281	61,510,820	
912803CH4	UNITED STATES OF AMERICA BOND ZERO CPN 1	154,880,000	114,406,303	109,226,022	
912803BV4	UNITED STATES OF AMERICA BOND ZERO CPN 1	65,100,000	47,942,895	47,687,052	
912803BP7	UNITED STATES OF AMERICA BOND ZERO CPN 1	148,905,000	118,056,769	109,908,270	
912803BM4	UNITED STATES OF AMERICA BOND ZERO CPN 1	289,400,000	230,369,563	218,705,368	
912803BC6	UNITED STATES OF AMERICA BOND ZERO CPN 1	21,200,000	19,237,728	18,308,744	
912803AW3	UNITED STATES OF AMERICA BOND ZERO CPN 1	164,500,000	153,823,950	151,392,640	
912833700	UNITED STATES OF AMERICA BOND ZERO CPN 1	75,165,000	32,949,135	41,530,166	
912828UX6	UNITED STATES OF AMERICA NOTES FIXED .12	20,584,000	21,581,021	21,719,210	
912828S50	UNITED STATES OF AMERICA NOTES FIXED .12	4,637,000	4,693,528	4,521,559	
912828H45	UNITED STATES OF AMERICA NOTES FIXED .25	1,700,000	1,703,342	1,706,195	
912828XP0	UNITED STATES OF AMERICA NOTES FIXED .62	21,200,000	21,195,031	21,190,884	
912828SY7	UNITED STATES OF AMERICA NOTES FIXED .62	28,500,000	28,523,965	28,502,280	
912828UU2	UNITED STATES OF AMERICA NOTES FIXED .75	9,000,000	8,966,790	8,973,990	
912828UR9	UNITED STATES OF AMERICA NOTES FIXED .75	13,000,000	12,999,536	12,969,580	
912828T83	UNITED STATES OF AMERICA NOTES FIXED .75	9,747,000	9,710,461	9,676,919	
912828T42	UNITED STATES OF AMERICA NOTES FIXED .75	8,349,000	8,328,016	8,292,561	
912828P53	UNITED STATES OF AMERICA NOTES FIXED .75	145,000	144,037	143,556	
912828P20	UNITED STATES OF AMERICA NOTES FIXED .75	5,000,000	5,001,775	4,989,450	
912828K25	UNITED STATES OF AMERICA NOTES FIXED .75	5,000,000	5,002,165	4,984,550	
912828C32	UNITED STATES OF AMERICA NOTES FIXED .75	27,500,000	27,553,711	27,515,675	
912828B55	UNITED STATES OF AMERICA NOTES FIXED .75	12,000,000	11,924,571	11,815,320	
912828XK1	UNITED STATES OF AMERICA NOTES FIXED .87	1,654,000	1,656,574	1,648,707	
912828WT3	UNITED STATES OF AMERICA NOTES FIXED .87	590,000	589,453	590,531	
912828SC5	UNITED STATES OF AMERICA NOTES FIXED .87	11,700,000	11,705,027	11,704,680	
912828Q45	UNITED STATES OF AMERICA NOTES FIXED .87	10,000,000	9,986,328	9,987,100	
912828M72	UNITED STATES OF AMERICA NOTES FIXED .87	15,865,000	15,866,944	15,866,269	
912828F54	UNITED STATES OF AMERICA NOTES FIXED .87	14,310,000	14,322,750	14,312,290	
912828VE7	UNITED STATES OF AMERICA NOTES FIXED 1%	8,000,000	8,017,520	7,996,880	
912828U40	UNITED STATES OF AMERICA NOTES FIXED 1%	401,000	399,723	399,717	
912828U32	UNITED STATES OF AMERICA NOTES FIXED 1%	7,025,000	6,935,778	6,940,489	
912828TN0	UNITED STATES OF AMERICA NOTES FIXED 1%	10,000,000	9,893,500	9,905,900	
912828TC4	UNITED STATES OF AMERICA NOTES FIXED 1%	10,000,000	9,918,800	9,921,900	
912828P95	UNITED STATES OF AMERICA NOTES FIXED 1%	13,095,000	13,086,304	13,025,466	
912828L40	UNITED STATES OF AMERICA NOTES FIXED 1%	4,000,000	3,993,138	3,991,560	
912828J68	UNITED STATES OF AMERICA NOTES FIXED 1%	15,000,000	15,084,425	15,007,050	
912828XF2	UNITED STATES OF AMERICA NOTES FIXED 1.1	16,344,000	16,455,106	16,355,601	
912828T34	UNITED STATES OF AMERICA NOTES FIXED 1.1	55,148,000	54,320,528	53,194,106	
912828SX9	UNITED STATES OF AMERICA NOTES FIXED 1.1	4,000,000	3,991,840	3,983,760	
912828S76	UNITED STATES OF AMERICA NOTES FIXED 1.1	3,623,000	3,474,447	3,502,137	
9128282F6	UNITED STATES OF AMERICA NOTES FIXED 1.1	256,640,000	249,498,337	247,968,134	
912828WD8	UNITED STATES OF AMERICA NOTES FIXED 1.2	14,000,000	14,096,739	14,022,400	
912828U99	UNITED STATES OF AMERICA NOTES FIXED 1.2	17,629,000	17,629,847	17,646,982	
912828T67	UNITED STATES OF AMERICA NOTES FIXED 1.2	36,100,000	35,316,136	35,005,809	
912828SD3	UNITED STATES OF AMERICA NOTES FIXED 1.2	10,000,000	10,049,300	10,005,900	
912828Q37	UNITED STATES OF AMERICA NOTES FIXED 1.2	28,400,000	27,814,467	27,744,244	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
912828H52	UNITED STATES OF AMERICA NOTES FIXED 1.2	16,250,000	16,292,807	16,130,725	
912828A34	UNITED STATES OF AMERICA NOTES FIXED 1.2	10,000,000	10,062,100	10,014,500	
912828VQ0	UNITED STATES OF AMERICA NOTES FIXED 1.3	14,000,000	14,181,021	14,062,300	
912828VK3	UNITED STATES OF AMERICA NOTES FIXED 1.3	15,000,000	15,200,999	15,070,350	
912828U73	UNITED STATES OF AMERICA NOTES FIXED 1.3	32,940,000	32,763,853	32,861,603	
912828T26	UNITED STATES OF AMERICA NOTES FIXED 1.3	10,000,000	9,945,743	9,469,920	
912828SH4	UNITED STATES OF AMERICA NOTES FIXED 1.3	8,000,000	8,072,240	8,022,480	
912828RH5	UNITED STATES OF AMERICA NOTES FIXED 1.3	10,000,000	10,117,200	10,037,500	
912828Q78	UNITED STATES OF AMERICA NOTES FIXED 1.3	10,000,000	10,046,518	9,809,800	
912828N89	UNITED STATES OF AMERICA NOTES FIXED 1.3	4,878,000	4,888,870	4,800,050	
912828L99	UNITED STATES OF AMERICA NOTES FIXED 1.3	10,000,000	10,116,830	9,877,300	
912828L32	UNITED STATES OF AMERICA NOTES FIXED 1.3	7,000,000	7,078,500	6,927,270	
912828K58	UNITED STATES OF AMERICA NOTES FIXED 1.3	36,600,000	36,507,825	36,364,296	
912828JE1	UNITED STATES OF AMERICA NOTES FIXED 1.3	1,840,000	2,131,985	2,140,177	
912828J84	UNITED STATES OF AMERICA NOTES FIXED 1.3	8,000,000	8,026,902	7,958,160	
912828J50	UNITED STATES OF AMERICA NOTES FIXED 1.3	9,000,000	9,105,147	8,957,070	
912828XE5	UNITED STATES OF AMERICA NOTES FIXED 1.5	12,000,000	12,108,321	11,963,400	
912828WL0	UNITED STATES OF AMERICA NOTES FIXED 1.5	10,000,000	10,124,500	10,046,100	
912828RE2	UNITED STATES OF AMERICA NOTES FIXED 1.5	10,000,000	10,164,900	10,062,500	
912828Q29	UNITED STATES OF AMERICA NOTES FIXED 1.5	7,000,000	6,955,731	6,726,020	
912828H86	UNITED STATES OF AMERICA NOTES FIXED 1.5	14,000,000	14,073,884	13,683,880	
912828G61	UNITED STATES OF AMERICA NOTES FIXED 1.5	10,000,000	10,188,705	10,020,700	
912828F62	UNITED STATES OF AMERICA NOTES FIXED 1.5	10,000,000	10,176,205	10,024,200	
912828C24	UNITED STATES OF AMERICA NOTES FIXED 1.5	9,000,000	9,125,730	9,049,230	
912828B33	UNITED STATES OF AMERICA NOTES FIXED 1.5	15,000,000	15,216,451	15,081,450	
912828A75	UNITED STATES OF AMERICA NOTES FIXED 1.5	13,000,000	13,190,580	13,075,660	
912828Z47	UNITED STATES OF AMERICA NOTES FIXED 1.5	287,205,000	276,047,050	264,151,055	
912828XM7	UNITED STATES OF AMERICA NOTES FIXED 1.6	9,000,000	9,034,132	8,994,060	
912828XH8	UNITED STATES OF AMERICA NOTES FIXED 1.6	11,396,000	11,604,294	11,401,356	
912828WW6	UNITED STATES OF AMERICA NOTES FIXED 1.6	12,600,000	12,751,134	12,688,074	
912828WS5	UNITED STATES OF AMERICA NOTES FIXED 1.6	9,000,000	9,069,288	9,067,140	
912828TY6	UNITED STATES OF AMERICA NOTES FIXED 1.6	7,500,000	7,316,046	7,299,000	
912828T91	UNITED STATES OF AMERICA NOTES FIXED 1.6	49,350,000	48,402,901	47,478,155	
912828R36	UNITED STATES OF AMERICA NOTES FIXED 1.6	47,277,000	44,262,593	44,085,803	
912828P46	UNITED STATES OF AMERICA NOTES FIXED 1.6	15,000,000	14,761,553	14,015,700	
912828HN3	UNITED STATES OF AMERICA NOTES FIXED 1.6	5,870,000	6,950,714	6,949,559	
912828G95	UNITED STATES OF AMERICA NOTES FIXED 1.6	8,000,000	8,121,589	8,039,360	
912828C65	UNITED STATES OF AMERICA NOTES FIXED 1.6	10,000,000	10,185,000	10,079,300	
912828WZ9	UNITED STATES OF AMERICA NOTES FIXED 1.7	7,000,000	6,975,419	6,902,910	
912828WC0	UNITED STATES OF AMERICA NOTES FIXED 1.7	9,000,000	9,228,194	9,017,910	
912828VB3	UNITED STATES OF AMERICA NOTES FIXED 1.7	11,000,000	10,990,430	10,713,780	
912828U65	UNITED STATES OF AMERICA NOTES FIXED 1.7	21,383,000	21,213,872	21,223,483	
912828RP7	UNITED STATES OF AMERICA NOTES FIXED 1.7	9,000,000	9,224,190	9,095,940	
912828P38	UNITED STATES OF AMERICA NOTES FIXED 1.7	3,000,000	3,014,192	2,930,850	
912828N48	UNITED STATES OF AMERICA NOTES FIXED 1.7	23,497,600	23,974,523	23,490,316	
912828L57	UNITED STATES OF AMERICA NOTES FIXED 1.7	12,000,000	11,997,236	11,772,720	
912828J43	UNITED STATES OF AMERICA NOTES FIXED 1.7	10,000,000	10,064,000	9,880,500	
912828F39	UNITED STATES OF AMERICA NOTES FIXED 1.7	10,000,000	10,212,199	10,098,400	
912828XD7	UNITED STATES OF AMERICA NOTES FIXED 1.8	5,000,000	5,011,348	4,959,750	
912828M49	UNITED STATES OF AMERICA NOTES FIXED 1.8	7,000,000	7,161,903	6,907,040	
912828G53	UNITED STATES OF AMERICA NOTES FIXED 1.8	9,000,000	9,142,471	8,975,790	
912828XQ8	UNITED STATES OF AMERICA NOTES FIXED 2%	20,720,000	21,279,378	20,643,958	
912828WN6	UNITED STATES OF AMERICA NOTES FIXED 2%	8,000,000	8,206,241	8,049,040	
912828VZ0	UNITED STATES OF AMERICA NOTES FIXED 2%	14,000,000	14,416,640	14,158,620	
912828UN8	UNITED STATES OF AMERICA NOTES FIXED 2%	14,000,000	14,514,119	13,884,640	
912828U81	UNITED STATES OF AMERICA NOTES FIXED 2%	11,282,000	11,289,012	11,323,405	
912828U24	UNITED STATES OF AMERICA NOTES FIXED 2%	131,816,000	126,437,056	126,826,764	
912828SF8	UNITED STATES OF AMERICA NOTES FIXED 2%	495,000	512,170	495,772	
912828RR3	UNITED STATES OF AMERICA NOTES FIXED 2%	4,000,000	4,150,641	4,011,080	
912828M80	UNITED STATES OF AMERICA NOTES FIXED 2%	15,000,000	15,481,701	14,898,600	
912828K74	UNITED STATES OF AMERICA NOTES FIXED 2%	22,965,000	22,616,092	22,245,507	
912828J27	UNITED STATES OF AMERICA NOTES FIXED 2%	30,450,000	30,425,273	29,636,376	
912828F96	UNITED STATES OF AMERICA NOTES FIXED 2%	17,843,000	18,280,196	17,894,566	
912828D72	UNITED STATES OF AMERICA NOTES FIXED 2%	13,158,000	13,513,779	13,210,369	
912828B90	UNITED STATES OF AMERICA NOTES FIXED 2%	9,000,000	9,245,520	9,071,730	
912828A42	UNITED STATES OF AMERICA NOTES FIXED 2%	10,000,000	10,286,300	10,103,500	
912828XG0	UNITED STATES OF AMERICA NOTES FIXED 2.1	5,000,000	5,165,645	5,017,600	
912828XB1	UNITED STATES OF AMERICA NOTES FIXED 2.1	26,200,000	26,454,798	25,684,122	
912828WR7	UNITED STATES OF AMERICA NOTES FIXED 2.1	7,000,000	7,229,320	7,075,460	
912828VV9	UNITED STATES OF AMERICA NOTES FIXED 2.1	15,000,000	15,550,950	15,242,550	
912828U57	UNITED STATES OF AMERICA NOTES FIXED 2.1	6,342,000	6,308,867	6,299,889	
912828RC6	UNITED STATES OF AMERICA NOTES FIXED 2.1	16,843,000	17,572,880	17,002,840	
912828N30	UNITED STATES OF AMERICA NOTES FIXED 2.1	14,000,000	14,564,978	13,992,300	
912828G87	UNITED STATES OF AMERICA NOTES FIXED 2.1	6,000,000	6,251,977	6,051,360	
912828F21	UNITED STATES OF AMERICA NOTES FIXED 2.1	6,330,000	6,610,518	6,386,147	
912828B58	UNITED STATES OF AMERICA NOTES FIXED 2.1	5,000,000	5,173,050	5,066,600	
912828WY2	UNITED STATES OF AMERICA NOTES FIXED 2.2	14,420,000	15,026,213	14,645,817	
912828WG1	UNITED STATES OF AMERICA NOTES FIXED 2.2	7,000,000	7,286,720	7,122,780	
912828V23	UNITED STATES OF AMERICA NOTES FIXED 2.2	4,000,000	4,000,329	4,001,880	
912828M56	UNITED STATES OF AMERICA NOTES FIXED 2.2	16,650,000	17,544,738	16,436,714	
912828G38	UNITED STATES OF AMERICA NOTES FIXED 2.2	11,000,000	11,560,764	10,932,570	
912828C57	UNITED STATES OF AMERICA NOTES FIXED 2.2	10,000,000	10,411,400	10,180,900	
912828QQ6	UNITED STATES OF AMERICA NOTES FIXED 2.3	15,000,000	15,678,000	15,279,450	
912828D56	UNITED STATES OF AMERICA NOTES FIXED 2.3	10,000,000	10,451,100	10,046,500	
912828WJ5	UNITED STATES OF AMERICA NOTES FIXED 2.5	15,000,000	15,837,751	15,224,400	
912828VS6	UNITED STATES OF AMERICA NOTES FIXED 2.5	12,000,000	12,811,923	12,212,760	
912828PC8	UNITED STATES OF AMERICA NOTES FIXED 2.6	13,500,000	13,515,484	13,953,465	
912828WE6	UNITED STATES OF AMERICA NOTES FIXED 2.7	14,000,000	15,263,884	14,461,580	
912828PY0	UNITED STATES OF AMERICA NOTES FIXED 2.7	10,000,000	10,546,900	10,200,400	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	912828KD1	UNITED STATES OF AMERICA NOTES FIXED 2.7	10,000,000	10,609,699	10,314,100
	912828B66	UNITED STATES OF AMERICA NOTES FIXED 2.7	14,000,000	15,074,221	14,459,340
	912828QN3	UNITED STATES OF AMERICA NOTES FIXED 3.1	9,000,000	9,884,913	9,484,110
	912828KQ2	UNITED STATES OF AMERICA NOTES FIXED 3.1	10,000,000	10,775,600	10,426,200
	912828LY4	UNITED STATES OF AMERICA NOTES FIXED 3.3	10,000,000	10,863,705	10,550,400
	912828ND8	UNITED STATES OF AMERICA NOTES FIXED 3.5	12,000,000	13,179,884	12,755,160
	912828HR4	UNITED STATES OF AMERICA NOTES FIXED 3.5	14,000,000	15,059,939	14,392,700
	912828PX2	UNITED STATES OF AMERICA NOTES FIXED 3.6	6,000,000	6,679,942	6,440,640
	912828MP2	UNITED STATES OF AMERICA NOTES FIXED 3.6	10,000,000	10,989,487	10,641,000
	912828JR2	UNITED STATES OF AMERICA NOTES FIXED 3.7	8,000,000	8,606,277	8,381,600
	912828T75	UNITED STATES OF AMERICA NOTES VARIABLE	5,330,000	5,330,515	5,330,480
	912828S84	UNITED STATES OF AMERICA NOTES VARIABLE	5,800,000	5,799,533	5,805,046
	912828O86	UNITED STATES OF AMERICA NOTES VARIABLE	1,000,000	999,951	1,001,750
	912820T31	UNITED STATES OF AMERICA NOTES ZERO CPN	112,600,000	93,087,546	92,744,116
	912820P84	UNITED STATES OF AMERICA NOTES ZERO CPN	95,700,000	82,859,749	80,110,470
	912820G84	UNITED STATES OF AMERICA NOTES ZERO CPN	190,500,000	172,389,165	164,233,860
	83162CXH1	UNITED STATES SMALL BUSINESS ADMINISTRAT	1,875,055	1,875,055	1,860,317
	83162CQX4	UNITED STATES SMALL BUSINESS ADMINISTRAT	2,454,577	2,454,577	2,657,571
	83162CQD8	UNITED STATES SMALL BUSINESS ADMINISTRAT	1,157,453	1,222,186	1,250,594
	83162CMK6	UNITED STATES SMALL BUSINESS ADMINISTRAT	582,347	610,055	617,253
	83162CKX0	UNITED STATES SMALL BUSINESS ADMINISTRAT	83,236	83,236	86,834
	83162CHG1	UNITED STATES SMALL BUSINESS ADMINISTRAT	7,944	8,153	7,993
	912909108	UNITED STATES STEEL CORP COMMON STOCK US	29,553	995,172	975,545
	912796HV4	UNITED STATES ZERO 01/17		24,995,556	24,998,889
	913017CA5	UNITED TECHNOLOGIES CORP CALLABLE BOND F	4,615,000	4,608,637	4,661,104
	913017BP3	UNITED TECHNOLOGIES CORP CALLABLE BOND F	5,140,000	6,668,283	6,538,543
	913017CJ6	UNITED TECHNOLOGIES CORP CALLABLE NOTES	16,920,000	16,531,678	16,102,595
	913017BS7	UNITED TECHNOLOGIES CORP CALLABLE NOTES	6,210,000	7,489,737	7,591,042
	913017BK4	UNITED TECHNOLOGIES CORP CALLABLE NOTES	2,850,000	2,867,798	3,569,711
	913017BJ7	UNITED TECHNOLOGIES CORP CALLABLE NOTES	500,000	611,024	585,100
	913017BA6	UNITED TECHNOLOGIES CORP CALLABLE NOTES	2,500,000	3,221,575	3,477,625
	913017109	UNITED TECHNOLOGIES CORP COMMON STOCK US	80,278	3,423,866	8,800,074
	913017BT5	UNITED TECHNOLOGIES CORP NOTES FIXED 4.5	26,517,000	27,329,089	28,383,797
	913017AT6	UNITED TECHNOLOGIES CORP NOTES FIXED 6.7	2,890,000	3,665,618	3,762,491
	913017BZ1	UNITED TECHNOLOGIES CORP NOTES STEP CPN	24,263,000	24,368,576	24,268,338
	91307C102	UNITED THERAPEUTICS CORP COMMON STOCK US	9,231	925,518	1,324,002
	6230845	UNITED TRACTORS TBK PT COMMON STOCK IDR	248,200	390,918	391,483
	6723839	UNITED URBAN INVESTMENT CORP REIT JPY	122	197,441	186,083
	B39J2M4	UNITED UTILITIES GROUP PLC COMMON STOCK	74,045	935,117	824,358
	91324PCV2	UNITEDHEALTH GROUP INC CALLABLE BOND FIX	1,435,000	1,434,031	1,415,341
	91324PCT7	UNITEDHEALTH GROUP INC CALLABLE BOND FIX	335,000	334,876	333,992
	91324PBK7	UNITEDHEALTH GROUP INC CALLABLE BOND FIX	4,330,000	4,803,786	5,892,264
	91324PCX8	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	5,350,000	5,310,036	5,400,290
	91324PCW0	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	2,640,000	2,637,254	2,672,472
	91324PCR1	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	8,920,000	9,661,738	9,826,450
	91324PCQ3	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	8,470,000	8,660,668	9,232,639
	91324PCP5	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	7,155,000	7,266,845	7,407,071
	91324PCN0	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	310,000	309,619	319,396
	91324PCM2	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	2,795,000	2,793,323	2,837,065
	91324PCL4	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	1,610,000	1,629,889	1,617,148
	91324PCG5	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	495,000	494,114	498,717
	91324PCD2	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	12,455,000	12,333,703	12,710,577
	91324PCC4	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	45,000	44,817	45,154
	91324PCA8	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	8,843,000	8,360,362	8,611,844
	91324PBW1	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	4,555,000	4,547,606	4,617,358
	91324PBU5	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	4,750,000	4,938,645	5,016,713
	91324PBT8	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	100,000	99,453	103,773
	91324PBQ4	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	2,027,000	2,475,339	2,529,331
	91324PBN1	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	1,030,000	1,295,009	1,255,725
	91324PBM3	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	3,680,000	3,943,557	3,875,334
	91324PBE1	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	11,627,000	15,313,188	15,208,814
	91324PAX0	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	4,780,000	5,566,365	6,143,113
	91324PAR3	UNITEDHEALTH GROUP INC CALLABLE NOTES FI	2,975,000	3,353,836	3,620,248
	91324P102	UNITEDHEALTH GROUP INC COMMON STOCK USD	91,799	2,470,938	14,691,512
	8YY9BM9	UNIVERSAL HEALTH INTERNATIONAL GROUP HOL	471,000	194,041	21,566
	913903AR1	UNIVERSAL HEALTH SERVICES INC CALLABLE N	1,025,000	1,048,109	1,037,813
	913903100	UNIVERSAL HEALTH SERVICES INC COMMON STO	6,978	162,088	742,320
	91359PAJ9	UNIVERSAL HOSPITAL SERVICES INC CALLABLE	2,640,000	2,370,677	2,613,600
	6919519	UNIVERSAL ROBINA CORP COMMON STOCK PHP 1	92,090	325,124	302,876
	91412F7Y7	UNIVERSITY CALIF REVS SER R-BABS 27/AUG/	7,870,000	9,682,106	9,622,334
	91412GC86	UNIVERSITY CALIF REVS TAXABLE-GEN-SER AQ	7,752,000	7,448,210	7,378,431
	91412GVC6	UNIVERSITY CALIF REVS TAXABLE-SER AN 10/	715,000	715,000	752,902
	914744AD9	UNIVERSITY OF NOTRE DAME DU LAC CALLABLE	975,000	975,000	931,447
	914886AB2	UNIVERSITY OF SOUTHERN CALIFORNIA CALLAB	1,900,000	1,928,177	1,687,542
	914886AA4	UNIVERSITY OF SOUTHERN CALIFORNIA CALLAB	200,000	241,961	226,704
	91529YAJ5	UNUM GROUP CALLABLE NOTES FIXED 5.75% 15	1,295,000	1,368,452	1,394,223
	903192AA0	UNUM GROUP CALLABLE NOTES FIXED 6.75% 15	552,000	528,755	622,993
	91529Y106	UNUM GROUP COMMON STOCK USD 0.1	18,951	427,576	832,517
	90313QAQ8	UNUM GROUP MEDIUM TERM NOTE FIXED 7.19%	1,750,000	1,602,625	2,011,030
	B41LHL9	UOA DEVELOPMENT BHD COMMON STOCK MYR 0.0	197,800	120,996	103,618
	6916844	UOL GROUP LTD COMMON STOCK SGD 0	21,132	85,488	87,617
	B0L0W35	UPL LTD COMMON STOCK INR 2	56,292	486,721	536,628
	5051252	UPM-KYMMENE OYJ COMMON STOCK EUR 0	191,713	3,038,423	4,719,565
	91704F104	URBAN EDGE PROPERTIES REIT USD 0.01	3,477	71,950	95,652
	917047102	URBAN OUTFITTERS INC COMMON STOCK USD 0.	13,741	350,570	391,344
*	TYH7COS	US 10YR NOTE (CBT) BOND 22/MAR/2017 TYH7	-4,703	0	1,061,863
*	TYH7COM	US 10YR NOTE (CBT) BOND 22/MAR/2017 TYH7	1,359	0	-617,366
*	UXYH7CS	US 10YR ULTRA FUT BOND 22/MAR/2017 UXYH7	-843	0	583,012
*	UXYH7CO	US 10YR ULTRA FUT BOND 22/MAR/2017 UXYH7	26	0	-5,818

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
*	TUH7COS	US 2YR NOTE (CBT) BOND 31/MAR/2017 TUH7	-196	0	27,503
*	TUH7COM	US 2YR NOTE (CBT) BOND 31/MAR/2017 TUH7	702	0	-123,928
	FVH7COS	US 5YR NOTE (CBT) BOND 31/MAR/2017 FVH7	-477	0	151,385
*	FVH7COM	US 5YR NOTE (CBT) BOND 31/MAR/2017 FVH7	2,779	0	-512,509
	90345WAD6	US AIRWAYS 2012-2 CLASS A PASS THROUGH T	7,091,417	7,100,998	7,516,902
	91159JAA4	US BANCORP CALLABLE MEDIUM TERM NOTE FIX	3,620,000	3,665,793	3,641,467
	91159HHN3	US BANCORP CALLABLE MEDIUM TERM NOTE FIX	1,660,000	1,647,849	1,536,778
	91159HHK9	US BANCORP CALLABLE MEDIUM TERM NOTE FIX	2,255,000	2,250,310	2,298,003
	902973304	US BANCORP COMMON STOCK USD 0.01	143,562	2,737,159	7,374,780
	90331HMU4	US BANK NA/CINCINNATI OH CALLABLE MEDIUM	2,520,000	2,517,833	2,518,337
	90331HMY6	US BANK NA/CINCINNATI OH CALLABLE NOTES	2,995,000	2,986,674	2,962,444
	90331HMS9	US BANK NA/CINCINNATI OH CALLABLE NOTES	3,500,000	3,488,205	3,415,510
	USD	US DOLLAR		-1,855,508	-1,855,510
	912008109	US FOODS HOLDING CORP COMMON STOCK USD 0	58,174	1,381,624	1,598,622
*	USH7COS	US LONG BOND(CBT) BOND 22/MAR/2017 USH7	-177	0	148,903
*	USH7COM	US LONG BOND(CBT) BOND 22/MAR/2017 USH7	1,576	0	-1,492,173
*	WNH7COS	US ULTRA BOND CBT BOND 22/MAR/2017 WNH7	-833	0	-76,167
	WNH7COM	US ULTRA BOND CBT BOND 22/MAR/2017 WNH7	970	0	-1,210,681
	688990209	US VENTURE PARTNERS L P - IBM	1,595,183	1,278,272	0
	CCPMUSFOB	USD CENTRALLY CLEARED SWAPS INITIAL-VARI	184,000	184,000	184,000
	903293AS7	USG CORP CALLABLE NOTES FIXED 9.75% 15/J	1,500,000	1,805,163	1,588,125
	903293A05	USG CORP COMMON STOCK USD 0.1	7,019	209,561	202,709
	6171494	USS CO LTD COMMON STOCK JPY	9,690	157,912	154,694
	917488108	UTAH MEDICAL PRODUCTS INC COMMON STOCK U	100	2,878	7,275
	91879Q109	VAIL RESORTS INC COMMON STOCK USD 0.01	3,127	423,422	504,416
	91911TAN3	VALE OVERSEAS LTD CALLABLE NOTES FIXED 5	1,810,000	1,810,000	1,895,975
	91911TAP8	VALE OVERSEAS LTD CALLABLE NOTES FIXED 6	200,000	208,000	208,000
	91911TAK9	VALE OVERSEAS LTD CALLABLE NOTES FIXED 6	4,605,000	4,428,598	4,478,363
	91911TAH6	VALE OVERSEAS LTD CALLABLE NOTES FIXED 6	24,090,000	23,465,607	23,698,538
	9.19E+208	VALE SA ADR USD 0	34,500	162,658	237,705
	9.19E+109	VALE SA ADR USD 0	27,382	153,321	208,651
	91912EAA3	VALE SA NOTES FIXED 5.625% 11/SEP/2042 U	8,105,000	7,074,194	7,172,925
	91829KAA1	VALEANT PHARMACEUTICALS INTERNATIONAL CA	2,100,000	1,926,625	1,804,026
	B3XSX46	VALEANT PHARMACEUTICALS INTERNATIONAL IN	37,960	653,388	551,121
	92912EAC7	VALEANT PHARMACEUTICALS INTERNATIONAL IN	3,740,000	3,630,085	3,543,650
	91831AAC5	VALEANT PHARMACEUTICALS INTERNATIONAL IN	290,000	243,143	217,863
	91831AAA9	VALEANT PHARMACEUTICALS INTERNATIONAL IN	2,500,000	2,357,333	2,112,500
	BDC5ST8	VALEO SA COMMON STOCK EUR 1	47,495	2,038,197	2,735,707
	91913YAU4	VALERO ENERGY CORP CALLABLE NOTES FIXED	4,520,000	4,473,640	4,330,205
	91913YAT7	VALERO ENERGY CORP CALLABLE NOTES FIXED	4,960,000	4,669,854	4,942,838
	91913YAR1	VALERO ENERGY CORP CALLABLE NOTES FIXED	500,000	579,515	551,885
	91913YAN0	VALERO ENERGY CORP CALLABLE NOTES FIXED	1,295,000	1,541,439	1,491,322
	91913YAL4	VALERO ENERGY CORP CALLABLE NOTES FIXED	6,330,000	7,360,895	7,408,379
	91913YAE0	VALERO ENERGY CORP CALLABLE NOTES FIXED	2,560,000	3,126,394	3,143,757
	91913Y100	VALERO ENERGY CORP COMMON STOCK USD 0.01	75,999	2,826,391	5,192,252
	91914JAA0	VALERO ENERGY PARTNERS LP CALLABLE NOTES	1,375,000	1,379,952	1,387,320
	91915WAB8	VALIDUS HOLDINGS LTD CALLABLE NOTES FIXE	1,930,000	2,568,652	2,532,179
	G9319H102	VALIDUS HOLDINGS LTD COMMON STOCK USD 0.	18,953	823,761	1,042,605
	B197DR6	VALLOUREC SA COMMON STOCK EUR 2	34,740	488,700	240,005
	920253AE1	VALMONT INDUSTRIES INC CALLABLE NOTES FI	275,000	271,370	240,900
	920253101	VALMONT INDUSTRIES INC COMMON STOCK USD	1,788	181,275	251,929
	6926553	VALOR HOLDINGS CO LTD COMMON STOCK JPY	9,800	235,348	256,270
	920355AK0	VALSPAR CORP/THE CALLABLE NOTES FIXED 3.	780,000	811,060	779,766
	920355104	VALSPAR CORP/THE COMMON STOCK USD 0.5	7,495	149,973	776,557
	AAC9936O2	VANBARTON VTC FUND I LLC	100	287,698,443	290,710,995
	921659108	VANDA PHARMACEUTICALS INC COMMON STOCK U	300	4,672	4,785
	922042874	VANGUARD FTSE EUROPE ETF ETP USD	56,224	3,210,454	2,695,379
	6109677	VANGUARD INTERNATIONAL SEMICONDUCTOR COR	117,000	242,689	204,021
	92206C813	VANGUARD LONG-TERM CORPORATE BOND ETF ET	302,186	27,948,079	27,000,319
	922908553	VANGUARD REIT ETF ETP USD	3,298,700	260,855,728	272,241,711
	92210H105	VANTIV INC COMMON STOCK USD 0.00001	25,098	1,055,316	1,496,343
	6374884	VARDHMAN TEXTILES LTD COMMON STOCK INR 1	21,547	277,003	353,000
	92220P105	VARIAN MEDICAL SYSTEMS INC COMMON STOCK	7,578	184,892	680,353
	B28RNC9	VARUN INDUSTRIES LTD COMMON STOCK INR 10	11,521	61,437	1,027
	918194101	VCA INC COMMON STOCK USD 0.001	22,775	900,221	1,563,504
	92240G101	VECTREN CORP COMMON STOCK USD 0	6,888	155,409	359,209
	6136040	VEDANTA LTD 2	434,344	1,123,240	1,383,284
	922475108	VEEVA SYSTEMS INC COMMON STOCK USD 0.000	7,666	230,058	312,006
	92276F100	VENTAS INC REIT USD 0.25	152,331	10,005,953	9,523,734
	92276MBB0	VENTAS REALTY LP / VENTAS CAPITAL CORP C	6,680,000	6,626,098	6,720,414
	92277GAC1	VENTAS REALTY LP CALLABLE NOTES FIXED 1.	1,000,000	1,001,710	999,540
	92277GAH0	VENTAS REALTY LP CALLABLE NOTES FIXED 3.	2,000,000	1,986,860	1,963,320
	92277GAE7	VENTAS REALTY LP CALLABLE NOTES FIXED 3.	3,500,000	3,344,180	3,445,855
	92277GAG2	VENTAS REALTY LP CALLABLE NOTES FIXED 4.	1,020,000	1,012,024	1,042,756
	92277GAB3	VENTAS REALTY LP CALLABLE NOTES FIXED 5.	3,125,000	3,219,448	3,510,438
	923996268	VENTURE TECH LP - IBM	945,587	785,981	0
	4031879	VEOLIA ENVIRONNEMENT SA COMMON STOCK EUR	31,343	522,364	534,730
	92339V100	VEREIT INC REIT USD 0.01	340,292	3,621,007	2,878,870
	03879QAD6	VEREIT OPERATING PARTNERSHIP LP CALLABLE	1,700,000	1,631,683	1,695,750
	B3MBSJ6	VERESEN INC COMMON STOCK CAD 0	161,906	1,514,327	1,582,780
	92342Y109	VERIFONE SYSTEMS INC COMMON STOCK USD 0.	8,732	347,925	154,818
	9.23E+106	VERISIGN INC COMMON STOCK USD 0.001	84,382	5,272,432	6,418,939
	92345YAE6	VERISK ANALYTICS INC CALLABLE NOTES FIXE	2,700,000	2,690,739	2,871,288
	92345Y106	VERISK ANALYTICS INC COMMON STOCK USD 0.	14,779	673,404	1,199,611
	92343VBQ6	VERIZON COMMUNICATIONS INC CALLABLE BOND	7,110,000	7,779,922	7,608,482
	92344GAX4	VERIZON COMMUNICATIONS INC CALLABLE NOTE	3,228,000	3,583,004	3,686,602
	92343VDF8	VERIZON COMMUNICATIONS INC CALLABLE NOTE	4,595,000	4,594,586	4,523,502
	92343VDD3	VERIZON COMMUNICATIONS INC CALLABLE NOTE	6,639,000	6,515,209	6,111,531
	92343VDC5	VERIZON COMMUNICATIONS INC CALLABLE NOTE	3,495,000	3,325,847	3,163,045

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
92343VCG5	VERIZON COMMUNICATIONS INC CALLABLE NOTE	91,280,000	82,158,653	85,721,961	
92343VCX0	VERIZON COMMUNICATIONS INC CALLABLE NOTE	61,518,000	56,066,626	58,990,225	
92343VCV4	VERIZON COMMUNICATIONS INC CALLABLE NOTE	44,852,000	43,858,405	42,929,195	
92343VCQ5	VERIZON COMMUNICATIONS INC CALLABLE NOTE	1,230,000	1,219,869	1,213,998	
92343VCN2	VERIZON COMMUNICATIONS INC CALLABLE NOTE	3,010,000	3,000,940	3,031,943	
92343VCM4	VERIZON COMMUNICATIONS INC CALLABLE NOTE	68,449,000	62,158,501	68,090,327	
92343VCK8	VERIZON COMMUNICATIONS INC CALLABLE NOTE	46,485,000	44,589,192	47,102,786	
92343VCH5	VERIZON COMMUNICATIONS INC CALLABLE NOTE	9,447,000	9,403,521	9,537,597	
92343VBZ6	VERIZON COMMUNICATIONS INC CALLABLE NOTE	17,340,000	18,323,098	18,259,714	
92343VBY9	VERIZON COMMUNICATIONS INC CALLABLE NOTE	1,550,000	1,547,489	1,619,719	
92343VBT0	VERIZON COMMUNICATIONS INC CALLABLE NOTE	38,857,000	44,469,660	48,531,616	
92343VBS2	VERIZON COMMUNICATIONS INC CALLABLE NOTE	4,303,000	4,471,054	5,191,613	
92343VBR4	VERIZON COMMUNICATIONS INC CALLABLE NOTE	34,762,000	38,927,220	38,437,734	
92343VBP8	VERIZON COMMUNICATIONS INC CALLABLE NOTE	1,510,000	1,591,797	1,559,860	
92343VBJ2	VERIZON COMMUNICATIONS INC CALLABLE NOTE	2,700,000	2,736,612	2,607,957	
92343VBG8	VERIZON COMMUNICATIONS INC CALLABLE NOTE	3,815,000	3,763,956	3,305,850	
92343VBE3	VERIZON COMMUNICATIONS INC CALLABLE NOTE	11,825,000	11,564,709	11,676,596	
92343VBC7	VERIZON COMMUNICATIONS INC CALLABLE NOTE	750,000	779,888	774,128	
92343VAX2	VERIZON COMMUNICATIONS INC CALLABLE NOTE	2,525,000	2,759,603	2,707,356	
92343VAW4	VERIZON COMMUNICATIONS INC CALLABLE NOTE	2,929,000	3,276,033	3,364,191	
92343VAU8	VERIZON COMMUNICATIONS INC CALLABLE NOTE	6,825,000	9,395,836	8,806,912	
92343VAR5	VERIZON COMMUNICATIONS INC CALLABLE NOTE	1,550,000	2,407,175	2,324,876	
92343VAK0	VERIZON COMMUNICATIONS INC CALLABLE NOTE	3,100,000	3,370,770	3,743,095	
92343VAF1	VERIZON COMMUNICATIONS INC CALLABLE NOTE	805,000	1,024,308	954,408	
92343V104	VERIZON COMMUNICATIONS INC COMMON STOCK	420,754	16,139,802	22,459,849	
92344GAM8	VERIZON COMMUNICATIONS INC NOTES FIXED 7	3,250,000	3,820,433	4,396,243	
92347XAA4	VERIZON OWNER TRUST 2016-1 2016-1A A 1.4	878,000	878,028	871,890	
92348MAA7	VERIZON OWNER TRUST 2016-2 2016-2A A 1.6	1,303,000	1,302,865	1,297,751	
B607XS1	VERMILION ENERGY INC COMMON STOCK CAD	13,170	517,827	554,769	
923725105	VERMILION ENERGY INC COMMON STOCK CAD	9,500	414,547	400,615	
92532W103	VERSUM MATERIALS INC COMMON STOCK USD 1	56,999	1,119,400	1,599,962	
92532F100	VERTEX PHARMACEUTICALS INC COMMON STOCK	20,389	888,061	1,502,058	
925994949	VESTAR CAPITAL PARTNERS IV L P IBM	100	0	1,749,437	
925994576	VESTAR CAPITAL PARTNERS V/1133 WEST LLC	100	0	24,750,859	
925990996	VESTAR EQUITY PARTNERS III - IBM	200	4,784,334	238,866	
5964651	VESTAS WIND SYSTEMS A/S COMMON STOCK DKK	80,933	20,975,790	5,269,591	
B12JGK3	VESTEL BEYAZ ESYA SANAYI VE TICARET AS C	110,863	406,969	378,830	
918204108	VF CORP COMMON STOCK USD 0	27,257	284,528	1,454,161	
92553PAL6	VIACOM INC CALLABLE BOND FIXED 4.5% 27/F	8,595,000	7,703,462	7,125,083	
92553PAZ5	VIACOM INC CALLABLE BOND FIXED 4.85% 15/	8,457,000	8,283,419	7,539,162	
92553PAW2	VIACOM INC CALLABLE BOND FIXED 5.25% 01/	6,105,000	5,968,684	5,553,963	
92553PAU6	VIACOM INC CALLABLE BOND FIXED 5.85% 01/	9,115,000	9,266,347	8,932,700	
92553PBA9	VIACOM INC CALLABLE NOTES FIXED 2.25% 04	305,000	304,061	286,621	
92553PAR3	VIACOM INC CALLABLE NOTES FIXED 3.25% 15	595,000	567,740	570,694	
92553PBB7	VIACOM INC CALLABLE NOTES FIXED 3.45% 04	9,512,000	9,400,920	8,790,990	
92553PAJ1	VIACOM INC CALLABLE NOTES FIXED 3.875% 1	303,000	310,089	306,075	
92553PAT9	VIACOM INC CALLABLE NOTES FIXED 4.25% 01	7,640,000	7,973,328	7,646,112	
92553PAP7	VIACOM INC CALLABLE NOTES FIXED 4.375% 1	6,855,000	5,711,547	5,460,419	
92553PAQ5	VIACOM INC CALLABLE NOTES FIXED 4.875% 1	11,670,000	11,267,395	10,116,956	
92553PAD4	VIACOM INC CALLABLE NOTES FIXED 5.625% 1	2,006,000	2,223,210	2,158,095	
925524AX8	VIACOM INC CALLABLE NOTES FIXED 6.875% 3	965,000	1,030,369	1,052,284	
92553P201	VIACOM INC COMMON STOCK USD 0.001	57,725	2,382,815	2,026,148	
92553P102	VIACOM INC COMMON STOCK USD 0.001	174	8,010	6,699	
9269995J8	VIAVI TECHNOLOGY INC.COMMON STOCK	3,763,547	424,286	0	
5763201	VICAT SA COMMON STOCK EUR 4	5,363	499,553	326,161	
BY7QXS7	VICINITY CENTRES REIT A0	436,319	1,053,155	944,656	
92658TAQ1	VIDEOTRON LTD CALLABLE NOTES FIXED 5% 15	855,000	861,413	876,375	
92660FAG9	VIDEOTRON LTD CALLABLE NOTES FIXED 5.375	390,000	412,425	400,238	
B1XH026	VINCI SA COMMON STOCK EUR 2.5	59,450	3,975,336	4,057,006	
7399369	VIRBAC SA COMMON STOCK EUR 1.25	539	99,583	95,055	
92769XAM7	VIRGIN MEDIA SECURED FINANCE PLC CALLABL	1,660,000	1,660,000	1,655,850	
927804FW9	VIRGINIA ELECTRIC & POWER CO CALLABLE NO	3,778,000	3,759,163	3,766,553	
927804FV1	VIRGINIA ELECTRIC & POWER CO CALLABLE NO	1,295,000	1,291,219	1,258,857	
927804FU3	VIRGINIA ELECTRIC & POWER CO CALLABLE NO	295,000	294,973	292,879	
927804FR0	VIRGINIA ELECTRIC & POWER CO CALLABLE NO	2,625,000	2,849,374	2,755,909	
927804FP4	VIRGINIA ELECTRIC & POWER CO CALLABLE NO	6,545,000	6,588,699	7,105,121	
927804FL3	VIRGINIA ELECTRIC AND POWER CO CALLABLE	1,880,000	1,955,547	1,857,233	
927804FG4	VIRGINIA ELECTRIC AND POWER CO CALLABLE	6,327,000	9,767,949	10,071,572	
927804FE9	VIRGINIA ELECTRIC AND POWER CO CALLABLE	860,000	1,161,998	1,107,663	
927804FB5	VIRGINIA ELECTRIC AND POWER CO CALLABLE	7,260,000	7,260,761	8,983,088	
928254101	VIRTU FINANCIAL INC COMMON STOCK USD 0.0	3,395	57,299	54,150	
92826CAB8	VISA INC CALLABLE NOTES FIXED 2.2% 14/DE	2,800,000	2,797,620	2,808,708	
92826CAC6	VISA INC CALLABLE NOTES FIXED 2.8% 14/DE	2,405,000	2,401,657	2,418,468	
92826CAD4	VISA INC CALLABLE NOTES FIXED 3.15% 14/D	4,365,000	4,425,144	4,384,162	
92826CAE2	VISA INC CALLABLE NOTES FIXED 4.15% 14/D	8,070,000	8,128,441	8,449,129	
92826CAF9	VISA INC CALLABLE NOTES FIXED 4.3% 14/DE	23,736,000	24,362,607	25,053,585	
92826C839	VISA INC COMMON STOCK USD 0.0001	185,496	5,428,167	14,472,398	
5638280	VISCOFAN SA COMMON STOCK EUR 0.7	22,341	438,484	1,103,981	
92835K103	VISHAY PRECISION GROUP INC COMMON STOCK	160	2,359	3,024	
B1Z75R4	VISTA LAND & LIFESCAPES INC COMMON STOCK	1,398,500	180,635	139,252	
928377100	VISTA OUTDOOR INC COMMON STOCK USD 0.01	40,020	1,655,151	1,476,738	
92839U206	VISTEON CORP COMMON STOCK USD	5,294	359,498	425,320	
8C3710B	VISTRA ENERGY CORP VISTRA ENERGY 1L TL-B	300,000	299,250	304,454	
2931324	VITRO SAB DE CV COMMON STOCK MXN 0	2,690	7,888	8,414	
4834777	VIVENDI SA COMMON STOCK EUR 5.5	165,553	3,383,869	3,152,710	
928563402	VMWARE INC COMMON STOCK USD 0.01	135,074	9,472,654	10,634,376	
B3WS5W9	VOCUS GROUP LTD COMMON STOCK AUD 0	198,194	642,301	555,392	
92857W308	VODAFONE GROUP PLC ADR USD	22,702	649,754	554,610	
92857WAS9	VODAFONE GROUP PLC CALLABLE BOND FIXED 5	2,745,000	2,953,074	2,958,067	

IBM
Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
	Identity of issue, borrower, lessor, or similar party				
	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	92857WAQ3	VODAFONE GROUP PLC CALLABLE BOND FIXED 6	3,598,000	3,628,844	4,034,689
	92857WBD1	VODAFONE GROUP PLC CALLABLE NOTES FIXED	7,310,000	6,820,268	6,467,888
	92857WAY6	VODAFONE GROUP PLC CALLABLE NOTES FIXED	2,000,000	1,982,100	1,996,300
	92857WAB6	VODAFONE GROUP PLC CALLABLE NOTES FIXED	960,000	1,280,966	1,101,686
	92857TAH0	VODAFONE GROUP PLC CALLABLE NOTES FIXED	4,180,000	5,405,165	5,451,431
	BH4HKS3	VODAFONE GROUP PLC COMMON STOCK GBP 0.20	2,002,561	5,744,305	4,945,217
	5560349	VODAFONE-PANAFON HELLENIC TEL CO SA EURO	34,900	228,737	0
	4943402	VOESTALPINE AG COMMON STOCK EUR 0	13,036	480,766	512,727
	5497102	VOLKSWAGEN AG COMMON STOCK EUR 0	1,560	215,365	225,010
	5497168	VOLKSWAGEN AG PREFERENCE EUR 0	25,197	4,082,849	3,543,981
	928668AH5	VOLKSWAGEN GROUP OF AMERICA FINANCE LLC	2,225,000	2,219,104	2,219,460
	B1QH7Y4	VOLVO AB COMMON STOCK SEK 1.2	19,294	199,384	227,673
	B1QH830	VOLVO AB USD	67,907	732,575	795,335
	25155FAB2	VONOVIA FINANCE BV CALLABLE BOND FIXED 5	3,000,000	2,969,790	3,133,170
	25155FAA4	VONOVIA FINANCE BV CALLABLE NOTES FIXED	1,700,000	1,703,796	1,715,674
	BBJPFFY1	VONOVIA SE COMMON STOCK EUR	20,525	674,675	669,054
	929042109	VORNADO REALTY TRUST REIT USD 0.04	133,429	12,003,607	13,925,985
	92912J102	VOYA ASIA PACIFIC HIGH DIVIDEND EQUITY I	24,170	315,345	210,521
	929089AC4	VOYA FINANCIAL INC CALLABLE NOTES FIXED	810,000	817,810	787,361
	929089AB6	VOYA FINANCIAL INC CALLABLE NOTES FIXED	2,170,000	2,163,685	2,121,783
	45685EAJ5	VOYA FINANCIAL INC CALLABLE NOTES FIXED	3,520,000	3,810,829	3,840,179
	45685EAE6	VOYA FINANCIAL INC CALLABLE NOTES FIXED	8,877,000	9,177,456	8,986,986
	929089100	VOYA FINANCIAL INC COMMON STOCK USD 0.01	103,035	3,632,062	4,041,033
	929160AR0	VULCAN MATERIALS CO CALLABLE NOTES FIXED	7,312,000	7,795,342	8,609,880
	929160109	VULCAN MATERIALS CO COMMON STOCK USD 1	10,588	361,169	1,325,088
	91843L103	VWR CORP COMMON STOCK USD 0.01	43,875	1,144,046	1,098,191
	93399W905	W P IX/1133 WEST LLC	100	0	18,493,006
	933998569	W P PRIVATE EQUITY X	100	5,569,368	52,878,634
	933992489	W P PRIVATE EQUITY XI, L.P.	100	47,018,057	65,552,246
	AAD9918B1	W P PRIVATE EQUITY XII, L.P.	100	5,789,459	5,271,344
	92927K102	WABCO HOLDINGS INC COMMON STOCK USD 0.01	4,303	98,000	456,763
	960386AJ9	WABTEC CORP/DE CALLABLE NOTES FIXED 3.45	2,000,000	1,999,300	1,922,520
	929740108	WABTEC CORP/DE COMMON STOCK USD 0.01	6,861	120,869	569,600
	92978YAD2	WACHOVIA BANK COMMERCIAL MORTGAGE TRUST	6,341,487	6,714,955	6,380,066
	92978NAJ3	WACHOVIA BANK COMMERCIAL MORTGAGE TRUST	380,000	389,500	384,557
	92976GAG6	WACHOVIA BANK NA NOTES FIXED 5.85% 01/FE	1,115,000	1,388,907	1,313,370
	929768AA7	WACHOVIA CAPITAL TRUST II CALLABLE BOND	2,455,000	2,159,575	2,203,363
	92976WBH8	WACHOVIA CORP MEDIUM TERM NOTE FIXED 5.7	3,500,000	4,001,970	3,649,100
	929903AM4	WACHOVIA CORP NOTES FIXED 5.5% 01/AUG/20	8,272,000	7,970,205	9,159,172
	337358BH7	WACHOVIA CORP PUTABLE BOND STEP CPN 01/A	895,000	922,038	1,112,548
	930059100	WADDELL & REED FINANCIAL INC COMMON STOCK	21,610	441,396	421,611
	931266AA8	WALDORF ASTORIA BOCA RATON TRUST 2016-BO	2,100,000	2,100,000	2,107,543
	931422AK5	WALGREEN CO CALLABLE NOTES FIXED 4.4% 15	2,135,000	1,877,441	2,061,193
	931427AR9	WALGREENS BOOTS ALLIANCE INC CALLABLE BO	230,000	228,197	233,397
	931427AP3	WALGREENS BOOTS ALLIANCE INC CALLABLE BO	1,040,000	1,037,140	1,033,126
	931427AQ1	WALGREENS BOOTS ALLIANCE INC CALLABLE NO	7,785,000	7,785,635	7,641,756
	931427AN8	WALGREENS BOOTS ALLIANCE INC CALLABLE NO	3,455,000	3,464,414	3,433,303
	931427AH1	WALGREENS BOOTS ALLIANCE INC CALLABLE NO	2,080,000	2,160,053	2,116,982
	931427AC2	WALGREENS BOOTS ALLIANCE INC CALLABLE NO	21,718,000	22,623,201	22,321,978
	931427AB4	WALGREENS BOOTS ALLIANCE INC CALLABLE NO	3,930,000	3,915,221	3,954,563
	931427AA6	WALGREENS BOOTS ALLIANCE INC CALLABLE NO	3,740,000	3,735,475	3,789,630
	931427108	WALGREENS BOOTS ALLIANCE INC COMMON STOC	71,562	1,839,012	5,922,471
	BW1YVH8	WAL-MART DE MEXICO SAB DE CV COMMON STOC	590,500	1,418,229	1,061,963
	931142CV3	WAL-MART STORES INC BOND FIXED 4.875% 08	4,815,000	4,901,748	5,455,106
	931142DQ3	WAL-MART STORES INC CALLABLE NOTES FIXED	9,695,000	10,408,654	10,230,843
	931142DK6	WAL-MART STORES INC CALLABLE NOTES FIXED	7,620,000	7,722,804	8,544,611
	931142DG5	WAL-MART STORES INC CALLABLE NOTES FIXED	4,860,000	4,691,803	4,882,210
	931142103	WAL-MART STORES INC COMMON STOCK USD 0.1	401,723	22,346,603	27,767,094
	931142DJ9	WAL-MART STORES INC NOTES FIXED 1.95% 15	400,000	409,744	403,804
	931142CY7	WAL-MART STORES INC NOTES FIXED 5% 25/OC	14,698,000	17,121,247	16,915,487
	931142CB7	WAL-MART STORES INC NOTES FIXED 5.25% 01	3,825,000	4,579,826	4,574,815
	931142CS0	WAL-MART STORES INC NOTES FIXED 5.625% 0	6,407,000	7,948,323	7,925,779
	931142DB6	WAL-MART STORES INC NOTES FIXED 5.625% 1	9,092,000	10,365,647	11,306,811
	931142CM3	WAL-MART STORES INC NOTES FIXED 6.2% 15/	15,663,000	18,321,558	20,646,810
	931142CK7	WAL-MART STORES INC NOTES FIXED 6.5% 15/	27,587,000	33,948,359	37,386,178
	931142BF9	WAL-MART STORES INC NOTES FIXED 7.55% 15	1,200,000	1,762,823	1,732,848
	25468PDN3	WALT DISNEY CO/THE CALLABLE MEDIUM TERM	1,120,000	1,046,167	952,515
	25468PDM5	WALT DISNEY CO/THE CALLABLE MEDIUM TERM	500,000	472,385	450,145
	25468PDB9	WALT DISNEY CO/THE CALLABLE MEDIUM TERM	1,500,000	1,513,260	1,550,775
	254687106	WALT DISNEY CO/THE COMMON STOCK USD 0.01	238,616	13,119,328	24,868,560
	25468PBW5	WALT DISNEY CO/THE MEDIUM TERM NOTE FIXE	500,000	724,175	685,455
	B047VW5	WALTON ADVANCED ENGINEERING INC COMMON S	118,000	54,454	42,837
	939336Z30	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	307,930	307,746	299,738
	939336X40	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	59,579	59,635	55,817
	9393357P4	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	43,847	43,854	41,688
	93363NAH8	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	747,939	626,756	630,148
	93363DAA5	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	2,809,077	2,815,661	2,391,841
	933636AA0	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	1,169,496	825,394	1,012,987
	93362YAB8	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	1,685,277	1,684,933	1,559,035
	92922FJ25	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	116,053	116,144	108,967
	92922FD21	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	62,051	62,109	59,388
	92922FAS7	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	412,174	400,968	416,083
	929227Q05	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	1,024,929	1,024,929	936,623
	929227QB5	WAMU MORTGAGE PASS-THROUGH CERTIFICATES	29,708	29,971	28,536
	B2Q14Z3	WANT WANT CHINA HOLDINGS LTD COMMON STOC	589,498	477,458	377,886
	12099JA05	WARBURG PE VIII/BULLSHEAD D LLC	100	0	17,071,324
	933990939	WARBURG PINCUS EQUITY PARTNERS IBM	100	0	781,933
	933990848	WARBURG PINCUS INTL PARTNERS IBM	100	0	9,810,621
	4525189	WARTSILA OYJ ABP COMMON STOCK EUR 0	29,724	1,256,094	1,338,077

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Personal Pension Plan
Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
938824109	WASHINGTON FEDERAL INC COMMON STOCK USD	5,143	116,295	176,662	
939355BS1	WASHINGTON MUTUAL MORTGAGE PASS-THROUGH	263,479	42,414	20,228	
939336PM9	WASHINGTON MUTUAL MSC MORTGAGE PASS-THRO	1,275	1,269	1,240	
939ESC968	WASHINGTON MUTUAL SHS	26,931	105,536	27	
93964W108	WASHINGTON PRIME GROUP INC	363,828	5,580,287	3,787,449	
939653AL5	WASHINGTON REAL ESTATE INVESTMENT TRUST	1,300,000	1,401,933	1,365,325	
C9716#AH2	WASTE CONNECTIONS INC SER 2015A SR NT TR	5,000,000	5,224,300	4,953,250	
94106LAW9	WASTE MANAGEMENT INC CALLABLE BOND FIXED	145,000	164,301	156,306	
94106LBC2	WASTE MANAGEMENT INC CALLABLE NOTES FIXE	2,860,000	2,833,795	2,830,456	
94106LBB4	WASTE MANAGEMENT INC CALLABLE NOTES FIXE	1,050,000	1,041,413	1,043,910	
94106LAZ2	WASTE MANAGEMENT INC CALLABLE NOTES FIXE	1,590,000	1,594,994	1,639,354	
94106LAN9	WASTE MANAGEMENT INC CALLABLE NOTES FIXE	3,140,000	4,161,725	4,223,897	
94106LAG4	WASTE MANAGEMENT INC CALLABLE NOTES FIXE	460,000	575,644	600,576	
94106L109	WASTE MANAGEMENT INC COMMON STOCK USD 0.	57,685	2,397,557	4,090,443	
941848103	WATERS CORP COMMON STOCK USD 0.01	6,140	186,450	825,155	
942622200	WATSCO INC COMMON STOCK USD 0.5	2,097	257,915	310,608	
94419L101	WAYFAIR INC COMMON STOCK USD 0.001	19,500	733,783	683,475	
92899W902	WCAS X/1133 WEST LLC	100	0	19,028,529	
928991660	WCAS XI, LP	100	14,812,600	69,836,164	
92890HAD4	WEA FINANCE LLC / WESTFIELD UK & EUROPE	15,011,000	15,284,017	14,837,923	
92890HAC6	WEA FINANCE LLC / WESTFIELD UK & EUROPE	4,447,000	4,457,261	4,496,495	
92890HAB8	WEA FINANCE LLC / WESTFIELD UK & EUROPE	3,200,000	3,190,948	3,236,640	
94707VAD2	WEATHERFORD INTERNATIONAL LTD/BERMUDA CA	4,005,000	3,364,499	3,023,775	
947075AE7	WEATHERFORD INTERNATIONAL LTD/BERMUDA CA	1,940,000	1,348,300	1,615,050	
G48833100	WEATHERFORD INTERNATIONAL PLC COMMON STO	78,152	927,920	389,978	
94733A104	WEB.COM GROUP INC COMMON STOCK USD 0.001	7,400	167,497	156,510	
94770V102	WEBMD HEALTH CORP COMMON STOCK USD 0.01	462	24,603	22,901	
976657AJ5	WEC ENERGY GROUP INC CALLABLE NOTES FIXE	6,964,000	6,979,157	6,957,593	
92939U106	WEC ENERGY GROUP INC COMMON STOCK USD 0.	29,129	598,941	1,708,416	
2945422	WEG SA COMMON STOCK BRL 0	139,800	736,055	665,776	
948596101	WEIBO CORP ADR USD 0.00025	5,952	316,377	241,651	
6743956	WEICHAI POWER CO LTD COMMON STOCK HKD 1	395,516	572,589	609,102	
948741103	WEINGARTEN REALTY INVESTORS REIT USD 0.0	9,403	206,003	336,533	
6684594	WEIQIAO TEXTILE CO COMMON STOCK HKD 1	231,500	155,783	144,815	
946580	WEIR GROUP PLC/THE COMMON STOCK GBP 12.5	30,810	654,339	719,530	
94946T106	WELL CARE HEALTH PLANS INC COMMON STOCK U	5,147	554,209	705,551	
6441670	WELLING HOLDING LTD COMMON STOCK HKD 0	186,000	35,327	34,546	
94973VAX5	WELLPOINT INC CALLABLE NOTES FIXED 3.125	2,540,000	2,605,415	2,541,295	
94973VAW7	WELLPOINT INC CALLABLE NOTES FIXED 3.7%	1,030,000	1,028,805	1,064,948	
94973VAS6	WELLPOINT INC CALLABLE NOTES FIXED 4.35%	4,480,000	4,756,774	4,728,102	
94973VAY3	WELLPOINT INC CALLABLE NOTES FIXED 4.625	5,018,000	4,950,289	5,041,936	
94973VAT4	WELLPOINT INC CALLABLE NOTES FIXED 5.8%	4,000,000	4,853,720	4,529,960	
94973VAL1	WELLPOINT INC CALLABLE NOTES FIXED 5.85%	6,717,000	7,640,178	7,550,177	
94973VAM9	WELLPOINT INC CALLABLE NOTES FIXED 5.875	1,800,000	2,024,298	1,836,432	
94973VAN7	WELLPOINT INC CALLABLE NOTES FIXED 6.375	580,000	565,753	696,754	
94973VAR8	WELLPOINT INC CALLABLE NOTES FIXED 7% 15	4,520,000	5,422,546	4,954,056	
94973VBA4	WELLPOINT INC NOTES FIXED 3.3% 15/JAN/20	10,283,000	10,331,398	10,265,622	
94973VBB2	WELLPOINT INC NOTES FIXED 4.65% 15/JAN/2	18,983,000	18,478,453	19,057,034	
949746RN3	WELLS FARGO & CO CALLABLE BOND VARIABLE	1,210,000	1,210,000	1,270,379	
949746RG8	WELLS FARGO & CO CALLABLE BOND VARIABLE	6,586,000	6,604,375	6,618,930	
949746PM7	WELLS FARGO & CO CALLABLE BOND VARIABLE	2,554,000	2,682,920	2,668,930	
949746SJ1	WELLS FARGO & CO CALLABLE NOTES VARIABLE	9,060,000	9,060,000	9,164,190	
949746101	WELLS FARGO & CO COMMON STOCK USD 1.666	506,815	16,862,182	27,930,575	
94974BGU8	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	31,050,000	31,011,469	31,511,403	
94974BGT1	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	18,625,000	18,857,965	17,825,056	
94974BGR5	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	11,553,000	11,540,638	11,566,170	
94974BGQ7	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	34,501,000	34,805,634	35,436,667	
94974BGP9	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	300,000	299,475	299,502	
94974BGM6	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	10,763,000	10,832,196	10,825,210	
94974BGL8	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	21,283,000	21,915,729	21,891,055	
94974BGF1	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	1,125,000	1,123,470	1,119,690	
94974BGE4	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	27,080,000	27,113,277	26,652,948	
94974BGA2	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	7,870,000	7,869,612	7,789,333	
94974BFY1	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	6,410,000	6,443,495	6,494,548	
94974BFP0	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	21,675,000	22,028,579	23,921,614	
94974BFN5	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	3,105,000	3,093,652	3,212,806	
94974BFJ4	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	5,025,000	4,894,747	5,043,090	
94974BEV8	WELLS FARGO & CO MEDIUM TERM NOTE FIXED	5,220,000	5,674,771	5,609,099	
949746SA0	WELLS FARGO & CO NOTES FIXED 2.1% 26/JUL	1,350,000	1,348,731	1,313,631	
94974BFQ8	WELLS FARGO & CO NOTES FIXED 2.15% 15/JA	1,995,000	2,000,307	2,005,973	
949746RS2	WELLS FARGO & CO NOTES FIXED 2.5% 04/MAR	6,405,000	6,417,414	6,357,539	
949746RW3	WELLS FARGO & CO NOTES FIXED 3% 22/APR/2	5,215,000	5,261,169	4,976,309	
949746SH5	WELLS FARGO & CO NOTES FIXED 3% 23/OCT/2	31,719,000	31,639,099	30,209,176	
94974BGK0	WELLS FARGO & CO NOTES FIXED 3.9% 01/MAY	8,465,000	8,252,812	8,029,137	
949746RE3	WELLS FARGO & CO NOTES FIXED 4.48% 16/JA	5,668,000	5,896,001	5,966,477	
949746JM4	WELLS FARGO & CO NOTES FIXED 5.375% 07/F	2,090,000	2,291,238	2,374,574	
949746RF0	WELLS FARGO & CO NOTES FIXED 5.606% 15/J	23,010,000	23,911,719	26,071,250	
94988J5G8	WELLS FARGO BANK NA MEDIUM TERM NOTE FIX	1,845,000	1,842,454	1,843,856	
94988J5A1	WELLS FARGO BANK NA MEDIUM TERM NOTE FIX	7,180,000	7,177,918	7,179,785	
92976GAJ0	WELLS FARGO BANK NA MEDIUM TERM NOTE FIX	2,690,000	3,723,090	3,421,815	
92976GAH4	WELLS FARGO BANK NA MEDIUM TERM NOTE FIX	350,000	418,321	363,227	
94988J5D5	WELLS FARGO BANK NA NOTES FIXED 1.75% 24	1,100,000	1,099,527	1,094,687	
94980VAG3	WELLS FARGO BANK NA NOTES FIXED 5.95% 26	1,680,000	2,079,341	1,977,783	
33738MAA9	WELLS FARGO BANK NA PUTABLE BOND FIXED 6	1,100,000	1,238,952	1,217,843	
94978SAA7	WELLS FARGO CAPITAL X CALLABLE BOND FIXE	930,000	983,155	967,200	
95000PAE4	WELLS FARGO COMMERCIAL MORTGAGE TRUST 20	1,191,000	1,226,675	1,231,983	
95000JAV0	WELLS FARGO COMMERCIAL MORTGAGE TRUST 20	1,291,000	1,329,721	1,318,366	
94989VAD1	WELLS FARGO COMMERCIAL MORTGAGE TRUST 20	239,000	246,343	246,169	
94989QBD1	WELLS FARGO COMMERCIAL MORTGAGE TRUST 20	1,200,000	1,020,712	941,597	

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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	94989QAV2	WELLS FARGO COMMERCIAL MORTGAGE TRUST 20	950,000	983,187	987,929
	94985TAB4	WELLS FARGO MORTGAGE BACKED SECURITIES 2	2,001,887	56,428	305,773
	94985JAA8	WELLS FARGO MORTGAGE BACKED SECURITIES 2	429,684	354,959	420,687
	94983VAJ4	WELLS FARGO MORTGAGE BACKED SECURITIES 2	328,939	325,600	323,355
	949834AA3	WELLS FARGO MORTGAGE BACKED SECURITIES 2	514,505	461,044	505,146
	94981QAD0	WELLS FARGO MORTGAGE BACKED SECURITIES 2	1,430,762	1,362,198	1,451,843
	94981MAA5	WELLS FARGO MORTGAGE BACKED SECURITIES 2	174,999	168,874	176,219
	95040Q104	WELLTOWER INC	353,861	22,528,305	23,683,917
	42217KBF2	WELLTOWER INC CALLABLE NOTES FIXED 4% 01	5,507,000	5,453,058	5,628,099
	95040QAC8	WELLTOWER INC CALLABLE NOTES FIXED 4.25%	6,175,000	6,270,092	6,400,943
	42217KAT3	WELLTOWER INC CALLABLE NOTES FIXED 4.7%	1,555,000	1,699,693	1,588,401
	9.50E+19	WELSH, CARSON, ANDERSON & STOWE XII, L.P	100	8,341,951	9,489,477
	7390113	WENDEL SA COMMON STOCK EUR 4	1,267	145,211	152,881
	95058W100	WENDY'S CO/THE COMMON STOCK USD 0.1	16,704	62,657	225,838
	95082P105	WESCO INTERNATIONAL INC COMMON STOCK USD	3,842	241,789	255,685
	6948836	WESFARMERS LTD COMMON STOCK AUD 0	49,600	1,546,533	1,513,473
	95101VAA7	WESLEYAN UNIVERSITY CALLABLE BOND FIXED	8,805,000	8,716,092	8,353,039
	6967079	WEST COAST PAPER MILLS LTD COMMON STOCK	22,165	40,652	43,092
	952355204	WEST CORP COMMON STOCK USD 0.001	2,400	58,140	59,424
	2951098	WEST FRASER TIMBER CO LTD COMMON STOCK C	16,632	570,766	595,431
	6957995	WEST JAPAN RAILWAY CO COMMON STOCK JPY	69,100	3,484,152	4,249,619
	955306105	WEST PHARMACEUTICAL SERVICES INC COMMON	5,765	419,913	489,045
	95709TAM2	WESTAR ENERGY INC CALLABLE BOND FIXED 4.	605,000	602,544	618,455
	95709TAK6	WESTAR ENERGY INC CALLABLE BOND FIXED 4.	2,050,000	2,049,959	2,196,780
	95709TAJ9	WESTAR ENERGY INC CALLABLE BOND FIXED 4.	1,500,000	1,450,125	1,502,145
	95709TAH3	WESTAR ENERGY INC CALLABLE BOND FIXED 4.	1,430,000	1,534,203	1,419,447
	95709T100	WESTAR ENERGY INC COMMON STOCK USD 5	13,355	287,678	752,554
	895990834	WESTBROOK RE PARTNERS VI/BULLSHEAD LLC	100	4,500,532	7,523,466
	956998744	WESTBROOK REAL ESATE PARTNERS VIII	100	0	10,056,175
	956994404	WESTBROOK REAL ESTATE FD I L P -IBM	17,032,112	237,071	0
	957993017	WESTBROOK REAL ESTATE FUND (FUND V) - BU	100	0	5,488,209
	957994759	WESTBROOK REAL ESTATE FUND VII.L.P.	100	1,909,091	17,849,074
	95799816	WESTBROOK REAL ESTATE PARTNERS IX	100	30,795,648	44,040,522
	957638109	WESTERN ALLIANCE BANCORP COMMON STOCK US	15,489	465,030	754,469
	95790C107	WESTERN ASSET GLOBAL CORPORATE DEFINED O	464,353	8,183,190	7,949,723
	957999956	WESTERN ASSET MANAGEMENT OPPORTUNISTIC V	166,551	5,676,189	49,827,292
	95766R104	WESTERN ASSET/CLAYMORE INFLATION-LINKED	1,102,877	12,889,592	12,286,050
	95766Q106	WESTERN ASSET/CLAYMORE INFLATION-LINKED	386,074	4,479,987	4,432,130
	958102AJ4	WESTERN DIGITAL CORP CALLABLE NOTES FIXE	500,000	512,250	550,000
	958102105	WESTERN DIGITAL CORP COMMON STOCK USD 0.	57,499	2,094,246	3,907,057
	958254AF1	WESTERN GAS PARTNERS LP CALLABLE NOTES F	9,085,000	9,215,486	9,406,609
	958254AE4	WESTERN GAS PARTNERS LP CALLABLE NOTES F	1,693,000	1,672,498	1,669,383
	958254AD6	WESTERN GAS PARTNERS LP CALLABLE NOTES F	8,315,000	8,324,119	8,564,117
	958254AC8	WESTERN GAS PARTNERS LP CALLABLE NOTES F	700,000	705,999	701,351
	959319104	WESTERN REFINING INC COMMON STOCK USD 0.	100	3,637	3,785
	959802AT6	WESTERN UNION CO/THE CALLABLE NOTES FIXE	625,000	624,750	637,519
	959802109	WESTERN UNION CO/THE COMMON STOCK USD 0.	97,937	1,427,430	2,127,192
	BMVXX4	WESTFIELD CORP REIT AUD 0	86,951	559,086	590,576
	96042CAC5	WESTLAKE AUTOMOBILE RECEIVABLES TRUST 20	243,423	243,422	243,406
	960413AN2	WESTLAKE CHEMICAL CORP CALLABLE NOTES FI	2,660,000	2,704,921	2,759,570
	960413AG7	WESTLAKE CHEMICAL CORP CALLABLE NOTES FI	16,291,000	15,931,565	16,091,435
	960413102	WESTLAKE CHEMICAL CORP COMMON STOCK USD	3,083	78,866	172,617
	961214DF7	WESTPAC BANKING CORP CALLABLE MEDIUM TER	1,590,000	1,590,000	1,595,072
	6076146	WESTPAC BANKING CORP COMMON STOCK AUD 0	236,493	5,694,710	5,582,573
	961214CY7	WESTPAC BANKING CORP NOTES FIXED 1.6% 19	3,355,000	3,354,396	3,315,042
	961214BV4	WESTPAC BANKING CORP NOTES FIXED 2% 14/A	2,460,000	2,505,264	2,470,775
	961214DA8	WESTPAC BANKING CORP NOTES FIXED 2% 19/A	25,552,000	25,537,021	24,804,860
	961214CS0	WESTPAC BANKING CORP NOTES FIXED 2.6% 23	2,465,000	2,463,151	2,474,959
	961214AH6	WESTPAC BANKING CORP NOTES FIXED 4.625%	1,147,000	1,211,748	1,187,374
	BDFM1K8	WESTPORTS HOLDINGS BHD COMMON STOCK MYR	468,500	498,144	449,075
	96145D105	WESTROCK CO COMMON STOCK USD	21,543	674,455	1,093,738
	582834AP2	WESTROCK MWV LLC BOND FIXED 7.55% 01/MAR	415,000	475,731	489,542
	961548AV6	WESTROCK MWV LLC BOND FIXED 8.2% 15/JAN/	810,000	985,528	1,057,439
	961548AY0	WESTROCK MWV LLC CALLABLE BOND FIXED 7.9	635,000	783,958	835,673
	96208T104	WEX INC COMMON STOCK USD 0.01	3,081	333,150	343,840
	962166AV6	WEYERHAEUSER CO BOND FIXED 6.95% 01/AUG/	1,000,000	1,165,610	1,028,220
	962166BR4	WEYERHAEUSER CO CALLABLE BOND FIXED 7.37	13,205,000	16,485,398	16,722,416
	962166BT0	WEYERHAEUSER CO CALLABLE NOTES FIXED 6.8	1,464,000	1,738,376	1,780,414
	962166BV5	WEYERHAEUSER CO CALLABLE NOTES FIXED 7.3	2,000,000	2,463,980	2,245,180
	962166104	WEYERHAEUSER CO REIT USD 1.25	59,238	1,534,398	1,782,471
	92936TAF9	WFRBS COMMERCIAL MORTGAGE TRUST 2012-C7	533,132	35,253	32,196
	BLHKKZ1	WH GROUP LTD COMMON STOCK HKD 0.0001	1,627,000	1,322,102	1,315,761
	B2PDGW1	WH SMITH PLC COMMON STOCK GBP 22	68,466	719,333	1,318,068
	6435576	WHARF HOLDINGS LTD/THE COMMON STOCK HKD	217,498	1,515,927	1,446,125
	W0K7COS	WHEAT FUTURE(CBT) WHEAT 12/MAY/2017 W K7	-17	0	-3,089
	W0Z7COM	WHEAT FUTURE(CBT) WHEAT 14/DEC/2017 W Z7	603	0	-902,554
	W0N7COS	WHEAT FUTURE(CBT) WHEAT 14/JUL/2017 W N7	-87	0	33,899
	W0H7COS	WHEAT FUTURE(CBT) WHEAT 14/MAR/2017 W H7	-160	0	-10,069
	BP3RR12	WHEELLOCK & CO LTD COMMON STOCK HKD 0	51,000	279,049	287,128
	6981488	WHEELLOCK & CO LTD COMMON STOCK HKD 0	241,093	1,384,240	1,357,346
	963320106	WHIRLPOOL CORP COMMON STOCK USD 1	6,441	457,082	1,170,781
	B1KJ40	WHITBREAD PLC COMMON STOCK GBP 76.7974	7,289	316,653	340,091
	G9618E107	WHITE MOUNTAINS INSURANCE GROUP LTD COMM	1,158	903,406	968,146
	QWH7COM	WHITE SUGAR (ICE) FOODSTUFF 13/FEB/2017	103	0	-141,382
	96399GQ04	WHITEHALL GLOBAL 2001 IBM	100	0	2,952,648
	449990936	WHITEHALL STREET IX & X - IBM	100	0	555,413
	963996178	WHITEHALL XI & XII L P IBM	100	515	1,130,542
	963996186	WHITEHALL XIII & XIV LP - IBM	100	0	312,515
	966244105	WHITEWAVE FOODS CO/THE COMMON STOCK USD	16,294	349,504	905,946

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Schedule H, Line 4i - Schedule of Assets (Held at End of Year)
at December 31, 2016

(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
966387102	WHITING PETROLEUM CORP COMMON STOCK USD	17,522	673,960	210,614	
966837106	WHOLE FOODS MARKET INC COMMON STOCK USD	61,563	1,656,754	1,893,678	
5699373	WIENERBERGER AG COMMON STOCK EUR 0	45,736	646,762	795,720	
BZ01RF1	WILLIAM DEMANT HOLDING A/S COMMON STOCK	127,535	1,417,518	2,221,603	
3169889	WILLIAM HILL PLC COMMON STOCK GBP 10	68,085	302,742	244,143	
96926GAD5	WILLIAM MARSH RICE UNIVERSITY CALLABLE B	1,065,000	1,065,000	1,007,703	
969455104	WILLIAMS COMMS GRP COM USD1	352,647	1,967,535	1,411	
969457BB5	WILLIAMS COS INC/THE CALLABLE BOND FIXED	2,423,000	2,235,085	2,731,933	
969457BW9	WILLIAMS COS INC/THE CALLABLE NOTES FIXE	3,420,000	3,377,800	3,394,350	
969457BM1	WILLIAMS COS INC/THE CALLABLE NOTES FIXE	3,250,000	3,835,000	3,924,375	
969457BG4	WILLIAMS COS INC/THE CALLABLE NOTES FIXE	817,000	861,153	933,423	
969457BD1	WILLIAMS COS INC/THE CALLABLE NOTES FIXE	1,190,000	1,417,992	1,356,600	
969457100	WILLIAMS COS INC/THE COMMON STOCK USD 1	124,839	3,224,563	3,887,486	
00434NAB1	WILLIAMS PARTNERS LP / ACMP FINANCE CORP	423,000	377,528	424,534	
00434NAA3	WILLIAMS PARTNERS LP / ACMP FINANCE CORP	1,255,000	1,211,946	1,278,431	
96950HAD2	WILLIAMS PARTNERS LP / WILLIAMS PARTNERS	940,000	1,070,246	943,675	
96950FAQ7	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	300,000	238,614	294,228	
96950FAP9	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	13,735,000	13,220,623	12,694,024	
96950FAN4	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	4,405,000	3,464,534	4,269,062	
96950FAM6	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	2,012,000	1,944,520	2,031,738	
96950FAL8	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	1,065,000	1,025,384	1,094,000	
96950FAK0	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	9,195,000	9,119,189	9,404,370	
96950FAH7	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	1,670,000	1,679,813	1,713,988	
96950FAG9	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	240,000	224,763	249,516	
96950FAF1	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	17,372,000	17,599,472	18,542,699	
96949LAC9	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	6,880,000	5,827,895	6,539,096	
96949LAB1	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	2,410,000	2,402,199	2,382,960	
96949LAA3	WILLIAMS PARTNERS LP CALLABLE NOTES FIXE	8,865,000	8,943,420	8,911,896	
969904101	WILLIAMS-SONOMA INC COMMON STOCK USD 0.0	18,860	781,030	912,635	
G96629103	WILLIS TOWERS WATSON PLC	5,677	689,411	694,184	
B17KC69	WILMAR INTERNATIONAL LTD COMMON STOCK SG	339,565	826,461	843,800	
6662404	WILSON BAYLY HOLMES-OVCON LTD COMMON STO	41,574	411,248	468,183	
6966515	WINBOND ELECTRONICS CORP COMMON STOCK TW	3,533,000	831,545	1,092,929	
973996325	WINDJAMMER SENIOR EQUITY FUND IV, L.P.	100	24,765,998	23,202,857	
97399W914	WINDJAMMER SR EQ III/1133 WEST LLC	100	0	18,467,768	
97650W108	WINTRUST FINANCIAL CORP COMMON STOCK USD	286	12,621	20,755	
976656CG1	WISCONSIN ELECTRIC POWER CO CALLABLE BON	1,080,000	1,073,261	1,107,205	
976826BK2	WISCONSIN POWER & LIGHT CO CALLABLE BOND	1,330,000	1,328,856	1,340,334	
976826BE6	WISCONSIN POWER & LIGHT CO CALLABLE BOND	200,000	267,232	260,166	
976843BJ0	WISCONSIN PUBLIC SERVICE CORP CALLABLE N	1,910,000	1,916,965	2,109,289	
97717P104	WISDOMTREE INVESTMENTS INC COMMON STOCK	5,100	52,454	56,814	
6672481	WISTRON CORP COMMON STOCK TWD 10	679,000	487,128	525,646	
974406	WITAN INVESTMENT TRUST PLC CLOSED-END FU	249,914	2,689,997	2,785,432	
365602	WITAN PACIFIC INVESTMENT TRUST PLC CLOSE	532,509	1,818,196	1,862,125	
604316	WM MORRISON SUPERMARKETS PLC COMMON STOC	512,760	1,439,376	1,461,696	
982526AT2	WM WRIGLEY JR CO CALLABLE NOTES FIXED 2%	190,000	189,709	190,956	
982526AV7	WM WRIGLEY JR CO CALLABLE NOTES FIXED 2.	14,510,000	14,481,066	14,763,345	
982526AU9	WM WRIGLEY JR CO CALLABLE NOTES FIXED 2.	275,000	274,486	277,461	
982526AQ8	WM WRIGLEY JR CO CALLABLE NOTES FIXED 3.	675,000	683,171	693,873	
92936P100	WMIH CORP	15	0	23	
92936PAB6	WMIH CORP CALLABLE NOTES FIXED 13% 19/MA	94	28	89	
92932M101	WNS HOLDINGS LTD ADR USD 0.16	7,246	175,765	199,627	
BFNVV48	WOLSELEY PLC COMMON STOCK GBP 10.803	31,277	1,792,285	1,917,685	
5671519	WOLTERS KLUWER NV COMMON STOCK EUR 0.12	34,911	1,383,746	1,267,426	
980236AM5	WOODSIDE FINANCE LTD CALLABLE NOTES FIXE	2,100,000	2,098,782	2,051,448	
98199JZ06	WOODSIDE I L P IBM	1	427,291	0	
6979728	WOODSIDE PETROLEUM LTD COMMON STOCK AUD	50,190	1,085,821	1,132,435	
6981239	WOOLWORTHS LTD COMMON STOCK AUD 0	84,147	1,822,866	1,468,433	
BSP5RP9	WOORI BANK COMMON STOCK KRW 5000	114,898	948,977	1,212,907	
98138H101	WORKDAY INC COMMON STOCK USD 0.001	9,310	704,418	615,298	
981464FU9	WORLD FINANCIAL NETWORK CREDIT CARD MAST	851,000	850,907	843,837	
981464FP0	WORLD FINANCIAL NETWORK CREDIT CARD MAST	1,940,000	1,939,766	1,933,379	
981464FJ4	WORLD FINANCIAL NETWORK CREDIT CARD MAST	778,000	772,338	761,990	
981464EN6	WORLD FINANCIAL NETWORK CREDIT CARD MAST	97,000	96,833	97,138	
981464DB3	WORLD FINANCIAL NETWORK CREDIT CARD MAST	416,000	417,544	416,908	
981475106	WORLD FUEL SERVICES CORP COMMON STOCK US	5,577	200,133	256,040	
98161PAD5	WORLD OMNI AUTO RECEIVABLES TRUST 2016-B	535,000	534,863	527,772	
98157D304	WORLDCOM INC-MCI GROUP COM STK USD0.01(M	32,688	647,150	0	
98157D106	WORLDCOM INC-WORLDCOM GROUP COM STK	1,104,727	20,926,866	0	
BYK2V8	WORLDPAY GROUP PLC COMMON STOCK GBP 3	61,060	209,769	203,636	
92936UAC3	WP CAREY INC CALLABLE NOTES FIXED 4% 01/	1,400,000	1,391,208	1,350,832	
92936U109	WP CAREY INC REIT USD 0.001	27,104	1,829,897	1,601,575	
92936MAB3	WPP FINANCE 2010 CALLABLE NOTES FIXED 4.	819,000	917,837	886,772	
92937A102	WPP PLC ADR USD	6,580	735,235	728,143	
B8KF9B4	WPP PLC COMMON STOCK GBP 10	227,483	4,015,488	5,104,583	
98212B103	WPX ENERGY INC COMMON STOCK USD	26,660	320,736	388,436	
084423AT9	WR BERKLEY CORP CALLABLE NOTES FIXED 4.7	1,375,000	1,368,043	1,344,393	
084423AP7	WR BERKLEY CORP CALLABLE NOTES FIXED 6.2	2,910,000	3,300,396	3,379,092	
84423102	WR BERKLEY CORP COMMON STOCK USD 0.2	7,693	115,559	511,661	
38388F108	WR GRACE & CO COMMON STOCK USD 0.01	18,160	1,158,007	1,228,342	
VHJ7COM	WTI CALENDAR SWAP CRUDE OIL 28/APR/2017	4	0	1,672	
VHZ7COS	WTI CALENDAR SWAP CRUDE OIL 29/DEC/2017	-4	0	-4,488	
VHM7COM	WTI CALENDAR SWAP CRUDE OIL 30/JUN/2017	4	0	4,152	
VHX7COS	WTI CALENDAR SWAP CRUDE OIL 30/NOV/2017	-4	0	-4,808	
VHK7COM	WTI CALENDAR SWAP CRUDE OIL 31/MAY/2017	4	0	3,152	
VHV7COS	WTI CALENDAR SWAP CRUDE OIL 31/OCT/2017	-4	0	-4,848	
ENH7COS	WTI CRUDE FUTURE CRUDE OIL 17/FEB/2017 E	-142	0	-664,653	
ENZ7COS	WTI CRUDE FUTURE CRUDE OIL 17/NOV/2017 E	-63	0	-100,928	
ENM7COS	WTI CRUDE FUTURE CRUDE OIL 19/MAY/2017 E	-7	0	105	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
CLK7COS	WTI CRUDE FUTURE CRUDE OIL 20/APR/2017 C	-12	0	2,044	
CLH8COM	WTI CRUDE FUTURE CRUDE OIL 20/FEB/2018 C	352	0	3,065,772	
CLH9COM	WTI CRUDE FUTURE CRUDE OIL 20/FEB/2019 C	25	0	94,978	
CLG7COM	WTI CRUDE FUTURE CRUDE OIL 20/JAN/2017 C	355	0	838,549	
CLQ7COS	WTI CRUDE FUTURE CRUDE OIL 20/JUL/2017 C	-24	0	-145,579	
CLZ9COM	WTI CRUDE FUTURE CRUDE OIL 20/NOV/2019 C	56	0	121,262	
CLZ0COS	WTI CRUDE FUTURE CRUDE OIL 20/NOV/2020 C	-28	0	-40,296	
CLV7COM	WTI CRUDE FUTURE CRUDE OIL 20/SEP/2017 C	48	0	281,423	
ENU7COM	WTI CRUDE FUTURE CRUDE OIL 21/AUG/2017 E	142	0	831,343	
CLU8COM	WTI CRUDE FUTURE CRUDE OIL 21/AUG/2018 C	99	0	298,114	
* CLH7COM	WTI CRUDE FUTURE CRUDE OIL 21/FEB/2017 C	125	0	191,927	
ENM8COM	WTI CRUDE FUTURE CRUDE OIL 21/MAY/2018 E	59	0	105,726	
CLM9COM	WTI CRUDE FUTURE CRUDE OIL 21/MAY/2019 C	53	0	59,674	
CLU7COM	WTI CRUDE FUTURE CRUDE OIL 22/AUG/2017 C	167	0	1,132,788	
CLM7COS	WTI CRUDE FUTURE CRUDE OIL 22/MAY/2017 C	-496	0	-2,589,707	
CLZ7COS	WTI CRUDE FUTURE FUTURE DEC17 22/NOV/201	-589	0	-1,905,763	
* CLZ7COM	WTI CRUDE FUTURE FUTURE DEC17 22/NOV/201	1,728	0	7,838,019	
CLZ8COS	WTI CRUDE FUTURE FUTURE DEC18 19/NOV/201	-547	0	-1,017,075	
CLM8COM	WTI CRUDE FUTURE FUTURE JUN18 22/MAY/201	655	0	1,537,105	
8C3979F	WTI-BRENT CRUDE OIL SPREAD C .00	-20	-14,343	-13,600	
8C3977F	WTI-BRENT CRUDE OIL SPREAD C .00	-40	-14,886	-14,800	
8C3999F	WTI-BRENT CRUDE OIL SPREAD P 3.00	-40	-7,886	-17,600	
8C4011F	WTI-BRENT CRUDE OIL SPREAD P 4.00	-20	-4,543	-7,800	
6771429	WTK HOLDINGS BHD COMMON STOCK MYR 0.5	295,800	83,623	65,609	
45766X973	WTS INSIGNIA FINANCIA GROUP EXP 15/SEP/2	74,560	18,640	0	
384802AC8	WW GRAINGER INC CALLABLE NOTES FIXED 3.7	1,300,000	1,315,541	1,217,502	
384802AB0	WW GRAINGER INC CALLABLE NOTES FIXED 4.6	1,190,000	1,322,295	1,274,062	
384802104	WW GRAINGER INC COMMON STOCK USD 0.5	4,406	382,240	1,023,294	
983024AN0	WYETH LLC CALLABLE NOTES FIXED 5.95% 01/	19,955,000	21,940,216	25,112,370	
983024AL4	WYETH LLC CALLABLE NOTES FIXED 6% 15/FEB	2,815,000	2,707,873	3,507,687	
983024AG5	WYETH LLC CALLABLE NOTES FIXED 6.5% 01/F	1,550,000	1,761,935	2,002,988	
98310WAK4	WYNNDHAM WORLDWIDE CORP CALLABLE NOTES FI	1,235,000	1,249,906	1,245,399	
98310W108	WYNNDHAM WORLDWIDE CORP COMMON STOCK USD	19,416	872,281	1,482,800	
983130AV7	WYNN LAS VEGAS LLC / WYNN LAS VEGAS CAPI	5,550,000	5,521,750	5,505,600	
983130AT2	WYNN LAS VEGAS LLC / WYNN LAS VEGAS CAPI	693,000	701,663	710,325	
BFPK4N0	WYNN MACAU LTD CALLABLE NOTES FIXED 5.25	200,000	199,000	201,500	
98313RAA4	WYNN MACAU LTD CALLABLE NOTES FIXED 5.25	500,000	483,750	503,750	
B4JSTL6	WYNN MACAU LTD COMMON STOCK HKD 0.001	492,000	765,853	783,073	
983134107	WYNN RESORTS LTD COMMON STOCK USD 0.01	6,388	373,107	552,626	
B07T3T9	X5 RETAIL GROUP NV GDR USD	17,291	546,076	561,093	
98389BAR1	XCEL ENERGY INC CALLABLE BOND FIXED 3.3%	935,000	931,138	935,252	
98389BAT7	XCEL ENERGY INC CALLABLE NOTES FIXED 2.6	14,104,000	14,105,588	14,046,456	
98389BAU4	XCEL ENERGY INC CALLABLE NOTES FIXED 3.3	4,000,000	3,992,240	4,003,320	
98389BAN0	XCEL ENERGY INC CALLABLE NOTES FIXED 4.8	2,400,000	2,595,029	2,557,200	
98389BAH3	XCEL ENERGY INC CALLABLE NOTES FIXED 6.5	3,850,000	4,850,346	4,840,913	
98389B100	XCEL ENERGY INC COMMON STOCK USD 2.5	43,814	1,030,600	1,783,230	
98416J118	XERIUM TECHNOLOGIES INC COMMON STOCK USD	587	9,414	3,299	
984121CH4	XEROX CORP CALLABLE NOTES FIXED 2.8% 15/	2,000,000	1,981,800	1,965,580	
984121CF8	XEROX CORP CALLABLE NOTES FIXED 2.95% 15	75,000	74,906	75,226	
984121CD3	XEROX CORP CALLABLE NOTES FIXED 4.5% 15/	2,000,000	2,152,140	2,079,440	
984121BQ5	XEROX CORP CALLABLE NOTES FIXED 6.75% 01	17,860,000	18,618,650	17,924,475	
984121103	XEROX CORP COMMON STOCK USD 1	156,165	1,833,513	1,363,320	
983919101	XILINX INC COMMON STOCK USD 0.01	26,816	670,581	1,618,882	
B0LD0W9	XL AXIATA TBK PT COMMON STOCK IDR 100	270,000	98,590	46,294	
G98294104	XL GROUP LTD COMMON STOCK	33,921	1,458,106	1,263,896	
98372PAG3	XL GROUP PLC CALLABLE NOTES FIXED 6.375%	2,425,000	2,865,091	2,830,460	
98420EAB1	XLIT LTD CALLABLE BOND FIXED 5.25% 15/DE	50,000	49,885	51,670	
98420EAA3	XLIT LTD CALLABLE NOTES FIXED 2.3% 15/DE	2,225,000	2,218,103	2,239,663	
98420EAC9	XLIT LTD CALLABLE NOTES FIXED 4.45% 31/M	636,000	636,421	630,639	
98372PAK4	XLIT LTD NOTES FIXED 6.25% 15/MAY/2027 U	7,042,000	7,877,856	8,319,841	
983772104	XO GROUP INC COMMON STOCK USD 0.01	12,617	195,887	245,401	
88166T101	XPERI CORP COMMON STOCK 0.001	55,141	1,719,088	2,437,232	
B2RJYH8	XTEP INTERNATIONAL HOLDINGS LTD COMMON S	344,500	151,937	144,853	
98385XAM8	XTO ENERGY INC CALLABLE NOTES FIXED 6.75	150,000	229,979	204,306	
98419MAK6	XYLEM INC/NY CALLABLE NOTES FIXED 4.375%	2,515,000	2,543,608	2,477,476	
98419MAB6	XYLEM INC/NY CALLABLE NOTES FIXED 4.875%	4,300,000	4,680,206	4,642,151	
98419M100	XYLEM INC/NY COMMON STOCK USD	14,199	215,073	703,134	
984305102	YADKIN FINANCIAL CORP COMMON STOCK USD 1	100	3,281	3,426	
984332106	YAHOO INC COMMON STOCK USD 0.001	84,101	2,150,109	3,252,186	
6084848	YAHOO JAPAN CORP COMMON STOCK JPY	62,800	241,845	241,756	
6985112	YAKULT HONSHA CO LTD COMMON STOCK JPY	3,904	177,663	181,418	
6985026	YAMADA DENKI CO LTD COMMON STOCK JPY	226,560	1,144,745	1,223,756	
B1DGKS9	YAMAGUCHI FINANCIAL GROUP INC COMMON STO	9,260	102,198	101,067	
6642387	YAMAHA CORP COMMON STOCK JPY	17,384	527,299	532,095	
6985264	YAMAHA MOTOR CO LTD COMMON STOCK JPY	28,478	543,301	628,477	
98462YAB6	YAMANA GOLD INC CALLABLE NOTES FIXED 4.9	10,861,000	10,815,295	10,643,780	
98462Y100	YAMANA GOLD INC COMMON STOCK CAD 0	39,400	119,965	110,714	
2219279	YAMANA GOLD INC COMMON STOCK CAD 0	241,581	987,761	679,140	
6985565	YAMATO HOLDINGS CO LTD COMMON STOCK JPY	83,258	1,364,490	1,696,426	
6985509	YAMAZAKI BAKING CO LTD COMMON STOCK JPY	5,294	112,081	102,489	
N97284108	YANDEX NV COMMON STOCK USD 0.01	65,583	1,351,192	1,320,186	
B1VT035	YANGZIJIANG SHIPBUILDING HOLDINGS LTD CO	716,000	441,872	403,918	
B03MZJ6	YAPI VE KREDI BANKASI AS COMMON STOCK TR	564,205	724,274	550,154	
984851AD7	YARA INTERNATIONAL ASA CALLABLE NOTES FI	5,145,000	5,139,429	5,043,489	
7751259	YARA INTERNATIONAL ASA COMMON STOCK NOK	18,907	734,706	746,817	
6986041	YASKAWA ELECTRIC CORP COMMON STOCK JPY	10,596	170,786	165,161	
985817105	YELP INC COMMON STOCK USD 0.000001	27,418	840,626	1,045,448	
B06LL92	YES BANK LTD COMMON STOCK INR 10	97,214	1,362,606	1,656,448	
98585L100	YIRENDAI LTD ADR USD 0.0001	267	5,820	5,532	

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	6986427	YOKOGAWA ELECTRIC CORP COMMON STOCK JPY	10,084	148,894	146,373
	6986461	YOKOHAMA RUBBER CO LTD/THE COMMON STOCK	13,500	221,947	242,603
	B072WH9	YOOSUNG ENTERPRISE CO LTD COMMON STOCK K	10,082	48,598	37,021
	984245AM2	YPF SA CALLABLE NOTES FIXED 8.5% 23/MAR/	4,050,000	4,055,000	4,358,813
	6424110	YUANTA FINANCIAL HOLDING CO LTD COMMON S	1,168,000	430,419	434,888
	6586537	YUE YUEN INDUSTRIAL HOLDINGS LTD COMMON	219,748	891,166	797,857
	988498AD3	YUM BRANDS INC CALLABLE BOND FIXED 6.875	259,000	257,899	252,525
	988498101	YUM BRANDS INC COMMON STOCK USD 0	80,642	3,553,811	5,107,058
	98850P109	YUM CHINA HOLDINGS INC COMMON STOCK USD	56,743	802,170	1,482,127
	6988694	YUNGTAI ENGINEERING CO LTD COMMON STOCK	233,000	483,726	324,244
	98426T106	YY INC ADR USD 0.00001	1,634	72,141	64,412
	9.89E+107	ZAFGEN INC COMMON STOCK USD 0.001	1,100	3,365	3,498
	BQV0SV7	ZALANDO SE COMMON STOCK EUR	3,805	144,343	145,644
	5770900	ZARDOYA OTIS SA COMMON STOCK EUR 0.1	33,436	344,069	283,191
	98919V105	ZAYO GROUP HOLDINGS INC COMMON STOCK USD	84,676	2,408,756	2,782,453
	989207105	ZEBRA TECHNOLOGIES CORP COMMON STOCK USD	4,137	125,097	354,789
	6188535	ZEE ENTERTAINMENT ENTERPRISES LTD COMMON	71,763	441,402	479,037
	98877DAC9	ZF NORTH AMERICA CAPITAL INC CALLABLE NO	5,310,000	5,253,337	5,402,925
	98877DAB1	ZF NORTH AMERICA CAPITAL INC CALLABLE NO	5,510,000	5,672,444	5,675,300
	98877DAA3	ZF NORTH AMERICA CAPITAL INC CALLABLE NO	2,505,000	2,490,972	2,605,200
	98877CAA5	ZFS FINANCE USA TRUST V CALLABLE BOND VA	3,318,000	3,540,928	3,326,793
	B633D97	ZHONGSHENG GROUP HOLDINGS LTD COMMON STO	114,500	99,333	102,344
	98954NAA7	ZIGGO SECURED FINANCE BV CALLABLE NOTES	530,000	530,000	516,644
	6725299	ZIJIN MINING GROUP CO LTD COMMON STOCK H	526,000	166,409	169,608
	98954M200	ZILLOW GROUP INC COMMON STOCK USD	8,023	333,913	292,599
	98954M101	ZILLOW GROUP INC COMMON STOCK USD 0.0001	4,301	159,344	156,771
	98956PAL6	ZIMMER BIOMET HOLDINGS INC CALLABLE NOTE	4,400,000	4,491,408	4,387,988
	98956PAK8	ZIMMER BIOMET HOLDINGS INC CALLABLE NOTE	8,265,000	8,260,702	8,265,413
	98956PAG7	ZIMMER BIOMET HOLDINGS INC CALLABLE NOTE	541,000	530,359	504,483
	98956PAF9	ZIMMER BIOMET HOLDINGS INC CALLABLE NOTE	5,000,000	4,914,366	4,869,950
	98956P102	ZIMMER BIOMET HOLDINGS INC COMMON STOCK	21,451	1,344,623	2,213,743
	989701BE6	ZIONS BANCORPORATION CALLABLE NOTES FIXE	142,000	146,619	143,691
	989701107	ZIONS BANCORPORATION COMMON STOCK USD 0	19,227	600,623	827,530
	7294334	ZODIAC AEROSPACE COMMON STOCK EUR 0	63,908	1,378,301	1,470,483
	98978VAB9	ZOETIS INC CALLABLE NOTES FIXED 3.25% 01	11,000,000	11,265,160	10,975,910
	98978VAK9	ZOETIS INC CALLABLE NOTES FIXED 4.5% 13/	1,400,000	1,396,766	1,484,210
	98978VAH6	ZOETIS INC CALLABLE NOTES FIXED 4.7% 01/	10,982,000	11,241,441	10,689,549
	98978V103	ZOETIS INC COMMON STOCK USD 0.01	36,359	127,919	1,946,297
	5983816	ZURICH INSURANCE GROUP AG COMMON STOCK C	11,844	3,137,461	3,267,632
	98986T108	ZYNGA INC COMMON STOCK USD 0.00000625	475,449	1,360,337	1,221,904
	AQR Group OMS Fund IV	AQR Global Asset Allocation Master Account, L.P.		13,670,885	20,751,188
	AQR Group OMS Fund IV	AQR Global Stock Selection Master Account, L.P.		34,166,400	51,861,557
	AQR Group OMS Fund IV	AQR Managed Futures Fund, L.P.		6,579,770	9,987,505
	AQR Group OMS Fund IV	CNH CA Master Account, L.P.		13,463,538	20,436,453
	AQR Group OMS Fund IV	OTHER		29,416	44,651
	MW Americas Tops Long	8x8 Inc		173,019	270,056
	MW Americas Tops Long	ABM Industries Inc		91,093	151,271
	MW Americas Tops Long	Aclaris Therapeutics Inc		216,739	343,484
	MW Americas Tops Long	Activision Blizzard Inc		641,175	977,281
	MW Americas Tops Long	Axiom Corp		252,631	434,482
	MW Americas Tops Long	adidas AG ADR		370,460	563,361
	MW Americas Tops Long	Advanced Micro Devices Inc		392,739	1,165,616
	MW Americas Tops Long	Aetna Inc		2,008,880	3,292,466
	MW Americas Tops Long	Affiliated Managers Group Inc		567,828	935,296
	MW Americas Tops Long	Agilent Technologies Inc		118,003	190,896
	MW Americas Tops Long	Agios Pharmaceuticals Inc		63,220	87,633
	MW Americas Tops Long	Air Methods Corp		100,023	158,868
	MW Americas Tops Long	Air Products & Chemicals Inc		592,753	1,020,115
	MW Americas Tops Long	Allison Transmission Holdings Inc		3,718,616	6,609,338
	MW Americas Tops Long	Alphabet Inc		2,967,012	5,046,322
	MW Americas Tops Long	Amazon.com Inc		5,185,664	8,337,805
	MW Americas Tops Long	Amdocs Ltd		36,565	59,823
	MW Americas Tops Long	American International Group Inc		610,406	990,034
	MW Americas Tops Long	American Water Works Co Inc		239,517	389,369
	MW Americas Tops Long	Analog Devices Inc		393,888	636,079
	MW Americas Tops Long	ANSYS Inc		80,145	130,596
	MW Americas Tops Long	Aon PLC		142,030	231,313
	MW Americas Tops Long	Apple Inc		2,283,093	3,865,724
	MW Americas Tops Long	Applied Materials Inc		2,941,948	4,932,147
	MW Americas Tops Long	Arch Capital Group Ltd		1,861,736	3,204,379
	MW Americas Tops Long	Arch Coal Inc		199,298	314,854
	MW Americas Tops Long	Armstrong Flooring Inc		62,755	118,624
	MW Americas Tops Long	Astoria Financial Corp		221,659	378,278
	MW Americas Tops Long	AstraZeneca PLC ADR		2,958,242	4,833,509
	MW Americas Tops Long	Avery Dennison Corp		138,921	224,704
	MW Americas Tops Long	Axalta Coating Systems Ltd		361,616	590,675
	MW Americas Tops Long	B/E Aerospace Inc		599,828	998,913
	MW Americas Tops Long	Bank of America Corp		2,074,294	3,333,542
	MW Americas Tops Long	Bank of NT Butterfield & Son Ltd/The		49,360	100,356
	MW Americas Tops Long	Bats Global Markets Inc		774,627	1,414,524
	MW Americas Tops Long	Baxter International Inc		4,864,096	7,420,122
	MW Americas Tops Long	Best Buy Co Inc		322,905	528,041
	MW Americas Tops Long	BHP Billiton PLC ADR		1,172,354	1,869,007
	MW Americas Tops Long	Box Inc		528,326	814,594
	MW Americas Tops Long	Boyd Gaming Corp		464,302	832,698
	MW Americas Tops Long	BP PLC ADR		299,919	502,051
	MW Americas Tops Long	British American Tobacco Plc ADR		113,809	186,920
	MW Americas Tops Long	Broadcom Ltd		80,795	130,633
	MW Americas Tops Long	Bruker Corp		1,307,940	2,028,536

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
MW Americas Tops Long	BWX Technologies Inc		79,843	133,670	
MW Americas Tops Long	Cabot Oil & Gas Corp		1,268,005	2,151,292	
MW Americas Tops Long	Cadence Design Systems Inc		139,568	214,244	
MW Americas Tops Long	Callidus Software Inc		191,467	325,298	
MW Americas Tops Long	Callon Petroleum Co		100,528	166,703	
MW Americas Tops Long	Campbell Soup Co		2,424,653	4,124,054	
MW Americas Tops Long	Carter's Inc		981,004	1,542,753	
MW Americas Tops Long	Casey's General Stores Inc		129,534	211,963	
MW Americas Tops Long	CBOE Holdings Inc		464,556	861,114	
MW Americas Tops Long	CDK Global Inc		164,097	280,901	
MW Americas Tops Long	Celanese Corp		158,910	255,669	
MW Americas Tops Long	Celgene Corp		541,559	863,958	
MW Americas Tops Long	Centennial Resource Development Inc/DE		147,265	321,436	
MW Americas Tops Long	Charles River Laboratories International Inc		464,778	819,195	
MW Americas Tops Long	Charter Communications Inc		2,980,892	5,058,466	
MW Americas Tops Long	Cigna Corp		7,663,293	12,691,658	
MW Americas Tops Long	Cimarex Energy Co		2,667,436	4,672,922	
MW Americas Tops Long	Cintas Corp		2,174,204	3,494,650	
MW Americas Tops Long	Cisco Systems Inc		3,087,247	4,985,333	
MW Americas Tops Long	Citrix Systems Inc		89,400	145,039	
MW Americas Tops Long	Coach Inc		68,218	111,819	
MW Americas Tops Long	Cognizant Technology Solutions Corp		105,370	171,004	
MW Americas Tops Long	Comcast Corp		5,520,610	8,872,787	
MW Americas Tops Long	Computer Sciences Corp		318,317	507,209	
MW Americas Tops Long	CONSOL Energy Inc		197,942	331,713	
MW Americas Tops Long	Controladora Vuela Cia de Aviacion SAB de CV ADR		158,689	206,845	
MW Americas Tops Long	CoreCivic Inc		156,277	265,954	
MW Americas Tops Long	Costco Wholesale Corp		238,388	413,724	
MW Americas Tops Long	CR Bard Inc		2,000,052	3,366,081	
MW Americas Tops Long	CSRA Inc		71,750	125,004	
MW Americas Tops Long	Cummins Inc		128,936	209,515	
MW Americas Tops Long	Danaher Corp		1,071,083	1,740,035	
MW Americas Tops Long	Deluxe Corp		74,893	122,596	
MW Americas Tops Long	DENTSPLY SIRONA Inc		2,841,065	4,525,859	
MW Americas Tops Long	Devon Energy Corp		1,955,830	3,095,330	
MW Americas Tops Long	Diamond Offshore Drilling Inc		647,278	1,136,606	
MW Americas Tops Long	Diamondback Energy Inc		1,599,704	2,620,688	
MW Americas Tops Long	Dollar Tree Inc		2,288,638	3,297,284	
MW Americas Tops Long	Donaldson Co Inc		164,021	259,760	
MW Americas Tops Long	Dow Chemical Co/The		1,347,936	2,250,405	
MW Americas Tops Long	East West Bancorp Inc		35,261	63,334	
MW Americas Tops Long	Eaton Corp PLC		1,057,937	1,770,706	
MW Americas Tops Long	Ecolab Inc		593,418	961,087	
MW Americas Tops Long	Edwards Lifesciences Corp		2,029,728	3,460,810	
MW Americas Tops Long	El du Pont de Nemours & Co		1,094,447	1,768,793	
MW Americas Tops Long	Electronic Arts Inc		573,188	953,154	
MW Americas Tops Long	Eli Lilly & Co		1,132,428	1,860,374	
MW Americas Tops Long	Emerson Electric Co		97,742	156,044	
MW Americas Tops Long	Equifax Inc		81,267	137,265	
MW Americas Tops Long	Equity Commonwealth		57,635	92,081	
MW Americas Tops Long	Extraction Oil & Gas Inc		564,777	819,456	
MW Americas Tops Long	Exxon Mobil Corp		1,514,710	2,471,860	
MW Americas Tops Long	Fairmount Santrol Holdings Inc		381,898	803,595	
MW Americas Tops Long	First Republic Bank/CA		212,239	362,847	
MW Americas Tops Long	Fiserv Inc		701,507	1,137,940	
MW Americas Tops Long	FleetCor Technologies Inc		1,780,949	2,874,979	
MW Americas Tops Long	FMC Technologies Inc		586,435	1,005,108	
MW Americas Tops Long	FNF Group		138,293	226,683	
MW Americas Tops Long	Fortinet Inc		161,236	262,586	
MW Americas Tops Long	Fortive Corp		63,926	103,881	
MW Americas Tops Long	Forum Energy Technologies Inc		75,717	124,696	
MW Americas Tops Long	Franklin Resources Inc		808,574	1,301,153	
MW Americas Tops Long	Fresenius Medical Care AG ADR		508,135	898,271	
MW Americas Tops Long	G&K Services Inc		317,386	520,541	
MW Americas Tops Long	General Dynamics Corp		1,328,858	2,148,926	
MW Americas Tops Long	General Motors Co		523,308	828,600	
MW Americas Tops Long	Genuine Parts Co		109,647	177,800	
MW Americas Tops Long	GlaxoSmithKline PLC ADR		329,000	480,913	
MW Americas Tops Long	Global Brass & Copper Holdings Inc		116,738	230,427	
MW Americas Tops Long	GMS Inc		52,994	100,606	
MW Americas Tops Long	Grand Canyon Education Inc		368,115	709,349	
MW Americas Tops Long	Granite Construction Inc		142,296	221,540	
MW Americas Tops Long	Great Plains Energy Inc		5,445,737	8,991,559	
MW Americas Tops Long	Greenhill & Co Inc		648,153	1,277,940	
MW Americas Tops Long	Grupo Aeroportuario del Pacifico SAB de CV ADR		62,612	95,311	
MW Americas Tops Long	Gulfport Energy Corp		1,423,092	2,227,838	
MW Americas Tops Long	H&E Equipment Services Inc		68,568	171,190	
MW Americas Tops Long	Halliburton Co		424,687	682,832	
MW Americas Tops Long	Hanover Insurance Group Inc/The		904,276	1,627,350	
MW Americas Tops Long	HD Supply Holdings Inc		190,176	319,208	
MW Americas Tops Long	HEICO Corp		216,848	349,952	
MW Americas Tops Long	HEICO Corp		65,829	111,356	
MW Americas Tops Long	Herbalife Ltd		6,151	9,821	
MW Americas Tops Long	Hilton Worldwide Holdings Inc		308,914	496,699	
MW Americas Tops Long	Home Depot Inc/The		8,045,580	13,679,914	
MW Americas Tops Long	Honda Motor Co Ltd ADR		1,151,702	1,879,281	
MW Americas Tops Long	Honeywell International Inc		4,856,325	8,084,940	
MW Americas Tops Long	HubSpot Inc		125,856	198,575	
MW Americas Tops Long	Hudson Pacific Properties Inc		123,408	208,332	

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
MW Americas Tops Long	Humana Inc		6,456,872	10,838,074	
MW Americas Tops Long	Huntington Bancshares Inc/OH		351,504	580,160	
MW Americas Tops Long	Hyatt Hotels Corp		1,123,265	1,790,811	
MW Americas Tops Long	ICON PLC		113,838	182,661	
MW Americas Tops Long	Illinois Tool Works Inc		4,085,316	6,510,953	
MW Americas Tops Long	INC Research Holdings Inc		1,182,496	2,232,397	
MW Americas Tops Long	Incyte Corp		3,465,033	5,910,716	
MW Americas Tops Long	Ingersoll-Rand PLC		72,315	117,663	
MW Americas Tops Long	Inogen Inc		58,128	109,487	
MW Americas Tops Long	Integrated Device Technology Inc		670,024	1,248,468	
MW Americas Tops Long	InterDigital Inc/PA		3,816	7,856	
MW Americas Tops Long	Interpublic Group of Cos Inc/The		210,477	342,465	
MW Americas Tops Long	Intuit Inc		7,265,585	12,323,899	
MW Americas Tops Long	Ironwood Pharmaceuticals Inc		360,639	591,264	
MW Americas Tops Long	Itau Unibanco Holding SA ADR		695,466	1,196,849	
MW Americas Tops Long	ITT Inc		718,518	1,318,708	
MW Americas Tops Long	Ixia		143,565	325,413	
MW Americas Tops Long	Jack Henry & Associates Inc		60,584	99,167	
MW Americas Tops Long	Janus Capital Group Inc		551,188	858,542	
MW Americas Tops Long	JM Smucker Co/The		169,383	275,713	
MW Americas Tops Long	Johnson Controls International plc		1,509,025	2,368,054	
MW Americas Tops Long	JPMorgan Chase & Co		8,139	13,375	
MW Americas Tops Long	KAR Auction Services Inc		1,854,749	3,165,941	
MW Americas Tops Long	Kate Spade & Co		114,809	238,827	
MW Americas Tops Long	KB Financial Group Inc ADR		63,626	106,364	
MW Americas Tops Long	Kinder Morgan Inc/DE		1,877,046	3,077,713	
MW Americas Tops Long	Kinross Gold Corp		549,472	753,065	
MW Americas Tops Long	KLA-Tencor Corp		1,261,637	2,198,162	
MW Americas Tops Long	Koninklijke Philips NV		188,817	318,601	
MW Americas Tops Long	Lam Research Corp		99,968	168,534	
MW Americas Tops Long	Lamb Weston Holdings Inc		100,802	178,122	
MW Americas Tops Long	Landstar System Inc		305,786	595,138	
MW Americas Tops Long	Laredo Petroleum Inc		111,501	189,617	
MW Americas Tops Long	Liberty Global PLC		297,640	490,297	
MW Americas Tops Long	Liberty Global PLC		900,852	1,490,554	
MW Americas Tops Long	Liberty SiriusXM Group		294,566	475,582	
MW Americas Tops Long	Liberty SiriusXM Group		59,646	96,468	
MW Americas Tops Long	Linear Technology Corp		2,811,697	4,744,274	
MW Americas Tops Long	Live Nation Entertainment Inc		211,165	325,637	
MW Americas Tops Long	Lockheed Martin Corp		4,516,808	7,280,502	
MW Americas Tops Long	Louisiana-Pacific Corp		1,640,742	2,699,551	
MW Americas Tops Long	Lowe's Cos Inc		8,923,393	14,077,706	
MW Americas Tops Long	Marathon Petroleum Corp		249,935	413,222	
MW Americas Tops Long	MarketAxess Holdings Inc		78,437	117,095	
MW Americas Tops Long	Marsh & McLennan Cos Inc		2,228,793	3,695,754	
MW Americas Tops Long	Marvell Technology Group Ltd		789,884	1,224,041	
MW Americas Tops Long	Masco Corp		3,702,491	6,103,292	
MW Americas Tops Long	Mastercard Inc		73,162	119,357	
MW Americas Tops Long	Matador Resources Co		226,855	378,466	
MW Americas Tops Long	Mattel Inc		73,145	112,046	
MW Americas Tops Long	Maxim Integrated Products Inc		2,052,817	3,299,933	
MW Americas Tops Long	MBIA Inc		55,570	122,322	
MW Americas Tops Long	McCormick & Co Inc/MD		148,872	244,525	
MW Americas Tops Long	Mead Johnson Nutrition Co		270,902	440,906	
MW Americas Tops Long	Medtronic PLC		539,434	874,562	
MW Americas Tops Long	Michaels Cos Inc/The		167,207	237,322	
MW Americas Tops Long	Mobileye NV		791,370	1,372,206	
MW Americas Tops Long	Monsanto Co		4,623,909	7,915,895	
MW Americas Tops Long	Monster Beverage Corp		2,096,410	3,449,164	
MW Americas Tops Long	Moody's Corp		77,684	120,100	
MW Americas Tops Long	MSC Industrial Direct Co Inc		98,749	159,280	
MW Americas Tops Long	Nautilus Inc		67,462	97,329	
MW Americas Tops Long	Netflix Inc		68,490	111,544	
MW Americas Tops Long	Neurocrine Biosciences Inc		101,894	153,446	
MW Americas Tops Long	New Oriental Education & Technology Group Inc ADR		631,519	996,381	
MW Americas Tops Long	New York REIT Inc		94,419	158,044	
MW Americas Tops Long	NextEra Energy Inc		1,106,718	1,819,137	
MW Americas Tops Long	Noble Corp plc		209,137	295,248	
MW Americas Tops Long	Northrop Grumman Corp		3,432,539	5,473,538	
MW Americas Tops Long	Novo Nordisk A/S ADR		1,056,736	1,893,049	
MW Americas Tops Long	Nuance Communications Inc		207,922	320,499	
MW Americas Tops Long	NXP Semiconductors NV		1,588,782	2,609,908	
MW Americas Tops Long	Occidental Petroleum Corp		1,220,116	1,991,804	
MW Americas Tops Long	Oclaro Inc		185,634	325,261	
MW Americas Tops Long	Ollie's Bargain Outlet Holdings Inc		66,342	100,343	
MW Americas Tops Long	Omnicom Group Inc		413,672	670,156	
MW Americas Tops Long	Opus Bank		50,323	108,120	
MW Americas Tops Long	Paramount Group Inc		79,638	132,797	
MW Americas Tops Long	Parker-Hannifin Corp		70,503	112,420	
MW Americas Tops Long	Parsley Energy Inc		87,307	139,656	
MW Americas Tops Long	Patterson-UTI Energy Inc		508,484	830,859	
MW Americas Tops Long	PayPal Holdings Inc		217,012	354,164	
MW Americas Tops Long	Penn National Gaming Inc		235,843	390,023	
MW Americas Tops Long	Performance Food Group Co		358,596	651,168	
MW Americas Tops Long	Petroleo Brasileiro SA ADR		813,480	1,373,118	
MW Americas Tops Long	Petroleo Brasileiro SA ADR		124,923	209,904	
MW Americas Tops Long	Philip Morris International Inc		8,134,132	12,871,362	
MW Americas Tops Long	Phillips 66		617,245	1,124,972	
MW Americas Tops Long	Pioneer Natural Resources Co		508,769	802,032	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
MW Americas Tops Long	PNC Financial Services Group Inc/The		7,970,975	13,624,320
MW Americas Tops Long	Pool Corp		63,679	102,566
MW Americas Tops Long	PPG Industries Inc		1,128,776	1,839,102
MW Americas Tops Long	Pra Health Sciences Inc		748,963	1,221,349
MW Americas Tops Long	Praxair Inc		468,060	762,673
MW Americas Tops Long	Primerica Inc		184,183	293,957
MW Americas Tops Long	PrivateBancorp Inc		2,547,915	4,488,449
MW Americas Tops Long	Progressive Corp/The		2,178,137	3,604,315
MW Americas Tops Long	Public Service Enterprise Group Inc		122,687	207,772
MW Americas Tops Long	QEP Resources Inc		985,229	1,564,832
MW Americas Tops Long	QUALCOMM Inc		510,544	818,064
MW Americas Tops Long	Quanta Services Inc		856,273	1,480,498
MW Americas Tops Long	Quest Diagnostics Inc		277,815	487,530
MW Americas Tops Long	Range Resources Corp		921,272	1,450,095
MW Americas Tops Long	Raytheon Co		203,536	329,724
MW Americas Tops Long	Realogy Holdings Corp		425,661	702,738
MW Americas Tops Long	Regions Financial Corp		1,087,706	1,768,362
MW Americas Tops Long	Reynolds American Inc		3,477,598	5,807,649
MW Americas Tops Long	Rio Tinto PLC ADR		1,766,002	2,812,811
MW Americas Tops Long	Robert Half International Inc		549,887	899,113
MW Americas Tops Long	Rockwell Automation Inc		344,879	559,642
MW Americas Tops Long	Ross Stores Inc		1,125,191	1,750,142
MW Americas Tops Long	Rowan Cos Plc		899,588	1,722,409
MW Americas Tops Long	Royal Dutch Shell PLC ADR		175,702	288,575
MW Americas Tops Long	Ryanair Holdings PLC ADR		45,262	73,935
MW Americas Tops Long	Ryder System Inc		31,640	51,736
MW Americas Tops Long	S&P Global Inc		6,190,239	10,201,029
MW Americas Tops Long	Sally Beauty Holdings Inc		64,907	106,129
MW Americas Tops Long	SBA Communications Corp		76,455	125,254
MW Americas Tops Long	Schlumberger Ltd		896,448	1,433,110
MW Americas Tops Long	SEI Investments Co		1,632,944	2,816,827
MW Americas Tops Long	ServiceNow Inc		118,468	184,958
MW Americas Tops Long	Sherwin-Williams Co/The		3,775,568	6,170,539
MW Americas Tops Long	Shire PLC ADR		2,516,469	4,141,938
MW Americas Tops Long	Signet Jewelers Ltd		223,354	374,495
MW Americas Tops Long	Silicon Motion Technology Corp ADR		147,130	242,051
MW Americas Tops Long	Skechers U.S.A. Inc		239,488	368,774
MW Americas Tops Long	SM Energy Co		186,630	306,665
MW Americas Tops Long	Sociedad Quimica y Minera de Chile SA ADR		106,295	175,882
MW Americas Tops Long	Southwest Airlines Co		1,913,964	3,259,735
MW Americas Tops Long	Southwestern Energy Co		941,490	1,568,597
MW Americas Tops Long	Spectra Energy Corp		77,564	126,270
MW Americas Tops Long	SS&C Technologies Holdings Inc		403,091	594,766
MW Americas Tops Long	St Jude Medical Inc		2,685,544	4,488,475
MW Americas Tops Long	Steel Dynamics Inc		957,761	1,493,471
MW Americas Tops Long	SunTrust Banks Inc		1,392,508	2,448,394
MW Americas Tops Long	Syngenta AG ADR		3,836,687	6,038,155
MW Americas Tops Long	Synopsys Inc		51,458	83,463
MW Americas Tops Long	Sysco Corp		1,385,694	2,296,858
MW Americas Tops Long	Taiwan Semiconductor Manufacturing Co Ltd ADR		5,672,718	9,077,008
MW Americas Tops Long	Taser International Inc		116,904	185,703
MW Americas Tops Long	TCF Financial Corp		289,094	493,315
MW Americas Tops Long	Tech Data Corp		178,278	320,175
MW Americas Tops Long	Teck Resources Ltd		98,126	132,218
MW Americas Tops Long	TEGNA Inc		153,198	241,686
MW Americas Tops Long	Tenaris SA ADR		930,819	1,568,633
MW Americas Tops Long	Tesoro Corp		2,800,737	4,589,201
MW Americas Tops Long	Texas Instruments Inc		8,390,896	14,261,841
MW Americas Tops Long	Thermo Fisher Scientific Inc		6,360,209	10,106,005
MW Americas Tops Long	Thor Industries Inc		93,704	152,876
MW Americas Tops Long	Time Warner Inc		446,266	742,798
MW Americas Tops Long	TJX Cos Inc/The		6,488,069	10,600,993
MW Americas Tops Long	T-Mobile US Inc		6,283,747	12,289,312
MW Americas Tops Long	Toro Co/The		160,588	262,350
MW Americas Tops Long	Total System Services Inc		133,969	211,810
MW Americas Tops Long	Tractor Supply Co		711,525	1,176,723
MW Americas Tops Long	Travelers Cos Inc/The		6,531,025	11,761,257
MW Americas Tops Long	Trinseo SA		260,345	419,132
MW Americas Tops Long	Trivago NV ADR		77,138	134,925
MW Americas Tops Long	Tyson Foods Inc		1,380,889	2,241,760
MW Americas Tops Long	U.S. Dollars-186051-DividendsReceivable		318,791	522,014
MW Americas Tops Long	U.S. Dollars-186051-OnHand		3,813,811	6,245,052
MW Americas Tops Long	U.S. Dollars-186051-Payable		-21,551,209	-35,289,744
MW Americas Tops Long	U.S. Dollars-186051-Receivable		20,534,435	33,624,793
MW Americas Tops Long	UnitedHealth Group Inc		8,593,403	14,428,086
MW Americas Tops Long	Universal Health Services Inc		132,235	216,590
MW Americas Tops Long	Universal Insurance Holdings Inc		59,676	113,004
MW Americas Tops Long	Unum Group		311,054	504,316
MW Americas Tops Long	Vail Resorts Inc		200,083	337,944
MW Americas Tops Long	Vale SA ADR		638,229	1,024,890
MW Americas Tops Long	Valero Energy Corp		1,980,807	3,300,812
MW Americas Tops Long	Valspar Corp/The		1,285,576	2,132,087
MW Americas Tops Long	Varian Medical Systems Inc		73,679	118,689
MW Americas Tops Long	VCA Inc		1,019,451	1,786,410
MW Americas Tops Long	VERSUM MATERIALS INC - W/I		194,739	365,752
MW Americas Tops Long	ViaSat Inc		59,699	91,317
MW Americas Tops Long	Visa Inc		2,376,181	3,901,312
MW Americas Tops Long	Vonage Holdings Corp		87,992	148,919
MW Americas Tops Long	Vulcan Materials Co		5,290,346	8,662,132

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
MW Americas Tops Long	WABCO Holdings Inc		1,197,822	1,932,461	
MW Americas Tops Long	Walt Disney Co/The		4,157,446	6,762,002	
MW Americas Tops Long	Waste Connections Inc		297,639	486,236	
MW Americas Tops Long	Waste Management Inc		1,218,551	1,989,806	
MW Americas Tops Long	Waters Corp		258,692	421,581	
MW Americas Tops Long	Weatherford International PLC		385,898	628,211	
MW Americas Tops Long	White Mountains Insurance Group Ltd		63,027	101,998	
MW Americas Tops Long	WildHorse Resource Development Corp		798,475	1,272,624	
MW Americas Tops Long	Wix.com Ltd		452,556	724,338	
MW Americas Tops Long	Woodward Inc		124,519	200,936	
MW Americas Tops Long	WR Grace & Co		116,124	191,827	
MW Americas Tops Long	Wyndham Worldwide Corp		577,402	1,021,143	
MW Americas Tops Long	Xactly Corp		228,986	294,459	
MW Americas Tops Long	Yum China Holdings Inc		310,517	510,306	
MW Americas Tops Long	Yum! Brands Inc		75,486	127,863	
MW Americas Tops Long	Zebra Technologies Corp		91,367	170,577	
MW Americas Tops Long	Zimmer Biomet Holdings Inc		1,965,456	3,044,606	
MW Americas Tops Long	Zions Bancorporation		293,721	472,321	
MW Americas Tops Long	Zoetis Inc		476,558	820,668	
MW Americas Tops Long	ZTO Express Cayman Inc ADR		356,606	465,250	
MW Americas Tops Long	Other		-23,028,009	-23,028,009	
TWO Sigma Small Cap Fund	1-800-FLOWERS.COM INC-CL A		9,752	35,310	
TWO Sigma Small Cap Fund	1ST SOURCE CORP		17,762	64,310	
TWO Sigma Small Cap Fund	8X8 INC		36,336	131,560	
TWO Sigma Small Cap Fund	A10 NETWORKS INC		21,116	76,452	
TWO Sigma Small Cap Fund	AAC HOLDINGS INC		800	2,896	
TWO Sigma Small Cap Fund	AAON INC		319	1,157	
TWO Sigma Small Cap Fund	AAR CORP		60,247	218,130	
TWO Sigma Small Cap Fund	AARON'S INC		90,122	326,298	
TWO Sigma Small Cap Fund	ABAXIS INC		8,745	31,662	
TWO Sigma Small Cap Fund	ABERCROMBIE & FITCH CO-CL A		38,115	138,000	
TWO Sigma Small Cap Fund	ABRAXAS PETROLEUM CORP		29,425	106,537	
TWO Sigma Small Cap Fund	ACACIA RESEARCH CORP		32,315	117,000	
TWO Sigma Small Cap Fund	ACCESS NATIONAL CORP		17,635	63,848	
TWO Sigma Small Cap Fund	ACCO BRANDS CORP		78,215	283,185	
TWO Sigma Small Cap Fund	ACCURAY INC		26,946	97,561	
TWO Sigma Small Cap Fund	ACETO CORP		24,879	90,077	
TWO Sigma Small Cap Fund	ACHILLION PHARMACEUTICALS		28,175	102,011	
TWO Sigma Small Cap Fund	ACI WORLDWIDE INC		54,641	197,835	
TWO Sigma Small Cap Fund	ACORDA THERAPEUTICS INC		91,907	332,760	
TWO Sigma Small Cap Fund	ACTIVISION BLIZZARD INC		10	36	
TWO Sigma Small Cap Fund	ACTUA CORP		34,414	124,600	
TWO Sigma Small Cap Fund	ACXIOM CORP		73,280	265,320	
TWO Sigma Small Cap Fund	ADDUS HOMECARE CORP		31,946	115,665	
TWO Sigma Small Cap Fund	ADECOAGRO SA		1,147	4,152	
TWO Sigma Small Cap Fund	ADEPTUS HEALTH INC-CLASS A		14,349	51,952	
TWO Sigma Small Cap Fund	ADIENT PLC		221,800	803,054	
TWO Sigma Small Cap Fund	ADVANCED DISPOSAL SERVICES I		23,321	84,436	
TWO Sigma Small Cap Fund	ADVANCED DRAINAGE SYSTEMS IN		65,431	236,900	
TWO Sigma Small Cap Fund	ADVANCED ENERGY INDUSTRIES		68,048	246,375	
TWO Sigma Small Cap Fund	ADVANCED MICRO DEVICES		533,390	1,931,202	
TWO Sigma Small Cap Fund	ADVISORY BOARD CO/THE		89,998	325,850	
TWO Sigma Small Cap Fund	AECOM		107,204	388,143	
TWO Sigma Small Cap Fund	AEGEAN MARINE PETROLEUM NETW		8,410	30,450	
TWO Sigma Small Cap Fund	AEGION CORP		41,239	149,310	
TWO Sigma Small Cap Fund	AEP INDUSTRIES INC		28,860	104,490	
TWO Sigma Small Cap Fund	AEROHIVE NETWORKS INC		5,195	18,810	
TWO Sigma Small Cap Fund	AEROJET ROCKETDYNE HOLDINGS		28,259	102,315	
TWO Sigma Small Cap Fund	AEROVIRONMENT INC		20,749	75,124	
TWO Sigma Small Cap Fund	AETNA INC		280,859	1,016,882	
TWO Sigma Small Cap Fund	AEVI GENOMIC MEDICINE INC		143	518	
TWO Sigma Small Cap Fund	AG MORTGAGE INVESTMENT TRUST		34,970	126,614	
TWO Sigma Small Cap Fund	AGILYSYS INC		2,289	8,288	
TWO Sigma Small Cap Fund	AGNC INVESTMENT CORP		8,618	31,202	
TWO Sigma Small Cap Fund	AGNICO EAGLE MINES LTD		3,480	12,600	
TWO Sigma Small Cap Fund	AGREE REALTY CORP		35,803	129,631	
TWO Sigma Small Cap Fund	AIMMUNE THERAPEUTICS INC		1,694	6,135	
TWO Sigma Small Cap Fund	AIR METHODS CORP		220,801	799,435	
TWO Sigma Small Cap Fund	AIR TRANSPORT SERVICES GROUP		52,456	189,924	
TWO Sigma Small Cap Fund	AIRCASTLE LTD		34,552	125,100	
TWO Sigma Small Cap Fund	AK STEEL HOLDING CORP		162,712	589,117	
TWO Sigma Small Cap Fund	AKEBIA THERAPEUTICS INC		4,025	14,574	
TWO Sigma Small Cap Fund	ALAMO GROUP INC		1,513	5,479	
TWO Sigma Small Cap Fund	ALBANY INTL CORP-CL A		29,412	106,490	
TWO Sigma Small Cap Fund	ALCOA CORP		573,153	2,075,168	
TWO Sigma Small Cap Fund	ALEXANDER & BALDWIN INC		19,829	71,792	
TWO Sigma Small Cap Fund	ALEXANDER'S INC		11,790	42,687	
TWO Sigma Small Cap Fund	ALEXION PHARMACEUTICALS INC		541	1,958	
TWO Sigma Small Cap Fund	ALICO INC		1,500	5,430	
TWO Sigma Small Cap Fund	ALLEGHENY TECHNOLOGIES INC		202	733	
TWO Sigma Small Cap Fund	ALLEGIANCE BANCSHARES INC		11,981	43,380	
TWO Sigma Small Cap Fund	ALLERGAN PLC		5,510	19,951	
TWO Sigma Small Cap Fund	ALLIANCE DATA SYSTEMS CORP		2,146	7,769	
TWO Sigma Small Cap Fund	ALLIANCE HEALTHCARE SERVICE		2,280	8,256	
TWO Sigma Small Cap Fund	ALLIANCE ONE INTERNATIONAL		265	960	
TWO Sigma Small Cap Fund	ALLOT COMMUNICATIONS LTD		397	1,437	
TWO Sigma Small Cap Fund	ALLSCRIPTS HEALTHCARE SOLUTI		95,371	345,302	
TWO Sigma Small Cap Fund	ALMOST FAMILY INC		9,744	35,280	
TWO Sigma Small Cap Fund	ALON USA ENERGY INC		6,915	25,036	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	ALPHA & OMEGA SEMICONDUCTOR		25,261	91,461	
TWO Sigma Small Cap Fund	ALTRA INDUSTRIAL MOTION CORP		34,458	124,759	
TWO Sigma Small Cap Fund	AMBAC FINANCIAL GROUP INC		44,744	162,000	
TWO Sigma Small Cap Fund	AMBER ROAD INC		32,775	118,667	
TWO Sigma Small Cap Fund	AMDOCS LTD		4,827	17,475	
TWO Sigma Small Cap Fund	AMER NATL BNKSHS/DANVILLE VA		2,883	10,440	
TWO Sigma Small Cap Fund	AMERESCO INC-CL A		5,469	19,800	
TWO Sigma Small Cap Fund	AMERICAN AIRLINES GROUP INC		451	1,634	
TWO Sigma Small Cap Fund	AMERICAN ASSETS TRUST INC		7,948	28,777	
TWO Sigma Small Cap Fund	AMERICAN AXLE & MFG HOLDINGS		108,211	391,790	
TWO Sigma Small Cap Fund	AMERICAN EQUITY INVT LIFE HL		160,617	581,532	
TWO Sigma Small Cap Fund	AMERICAN HOMES 4 RENT- A		261	944	
TWO Sigma Small Cap Fund	AMERICAN PUBLIC EDUCATION		21,698	78,560	
TWO Sigma Small Cap Fund	AMERICAN RAILCAR INDUSTRIES		18,763	67,935	
TWO Sigma Small Cap Fund	AMERICAN RENAL ASSOCIATES HO		14,106	51,072	
TWO Sigma Small Cap Fund	AMERICAN SOFTWARE INC-CL A		6,034	21,848	
TWO Sigma Small Cap Fund	AMERICAN SUPERCONDUCTOR CORP		2,850	10,318	
TWO Sigma Small Cap Fund	AMERICAN TOWER CORP		8,757	31,704	
TWO Sigma Small Cap Fund	AMERICAN VANGUARD CORP		16,925	61,280	
TWO Sigma Small Cap Fund	AMERICAN WOODMARK CORP		8,313	30,100	
TWO Sigma Small Cap Fund	AMERICA'S CAR-MART INC		8,459	30,625	
TWO Sigma Small Cap Fund	AMERIS BANCORP		42,328	153,254	
TWO Sigma Small Cap Fund	AMERISAFE INC		61,995	224,460	
TWO Sigma Small Cap Fund	AMES NATIONAL CORP		911	3,300	
TWO Sigma Small Cap Fund	AMKOR TECHNOLOGY INC		175,123	634,055	
TWO Sigma Small Cap Fund	AMPCO-PITTSBURGH CORP		4,164	15,075	
TWO Sigma Small Cap Fund	AMPHASTAR PHARMACEUTICALS IN		10,175	36,840	
TWO Sigma Small Cap Fund	AMTRUST FINANCIAL SERVICES		40,201	145,552	
TWO Sigma Small Cap Fund	ANADARKO PETROLEUM CORP		462	1,674	
TWO Sigma Small Cap Fund	ANALOG DEVICES INC		1,404	5,083	
TWO Sigma Small Cap Fund	ANALOGIC CORP		25,201	91,245	
TWO Sigma Small Cap Fund	ANDERSONS INC/THE		69,989	253,404	
TWO Sigma Small Cap Fund	ANGIE'S LIST INC		1,137	4,115	
TWO Sigma Small Cap Fund	ANGIODYNAMICS INC		51,720	187,257	
TWO Sigma Small Cap Fund	ANIKA THERAPEUTICS INC		22,988	83,232	
TWO Sigma Small Cap Fund	ANIXTER INTERNATIONAL INC		22,386	81,050	
TWO Sigma Small Cap Fund	ANNALY CAPITAL MANAGEMENT IN		443	1,605	
TWO Sigma Small Cap Fund	ANWORTH MORTGAGE ASSET CORP		36,698	132,869	
TWO Sigma Small Cap Fund	APOLLO COMMERCIAL REAL ESTAT		275	997	
TWO Sigma Small Cap Fund	APOLLO GLOBAL MANAGEMENT - A		72,689	263,180	
TWO Sigma Small Cap Fund	APOLLO INVESTMENT CORP		138,221	500,444	
TWO Sigma Small Cap Fund	APPFOLIO INC - A		1,976	7,155	
TWO Sigma Small Cap Fund	APPLIED GENETIC TECHNOLOGIES		3,559	12,884	
TWO Sigma Small Cap Fund	APPLIED INDUSTRIAL TECH INC		85,311	308,880	
TWO Sigma Small Cap Fund	APPLIED MICRO CIRCUITS CORP		38,736	140,250	
TWO Sigma Small Cap Fund	APPLIED OPTOELECTRONICS INC		14,243	51,568	
TWO Sigma Small Cap Fund	APTIO INC - CLASS A		3,583	12,971	
TWO Sigma Small Cap Fund	ARAMARK		671	2,429	
TWO Sigma Small Cap Fund	ARBOR REALTY TRUST INC		13,803	49,975	
TWO Sigma Small Cap Fund	ARC DOCUMENT SOLUTIONS INC		5,402	19,558	
TWO Sigma Small Cap Fund	ARCBEST CORP		53,458	193,550	
TWO Sigma Small Cap Fund	ARCHROCK INC		44,088	159,628	
TWO Sigma Small Cap Fund	ARCONIC INC		31	111	
TWO Sigma Small Cap Fund	ARCOS DORADOS HOLDINGS INC-A		34,900	126,360	
TWO Sigma Small Cap Fund	ARCTIC CAT INC		415	1,502	
TWO Sigma Small Cap Fund	ARENA PHARMACEUTICALS INC		12,825	46,434	
TWO Sigma Small Cap Fund	ARES CAPITAL CORP		32,792	118,728	
TWO Sigma Small Cap Fund	ARES COMMERCIAL REAL ESTATE		13,652	49,428	
TWO Sigma Small Cap Fund	ARGAN INC		54,560	197,540	
TWO Sigma Small Cap Fund	ARGO GROUP INTERNATIONAL		76,446	276,780	
TWO Sigma Small Cap Fund	ARIAD PHARMACEUTICALS INC		189,317	685,444	
TWO Sigma Small Cap Fund	ARLINGTON ASSET INVESTMENT-A		45,844	165,984	
TWO Sigma Small Cap Fund	ARMADA HOFFLER PROPERTIES IN		25,352	91,791	
TWO Sigma Small Cap Fund	ARMOUR RESIDENTIAL REIT INC		43,133	156,168	
TWO Sigma Small Cap Fund	ARMSTRONG FLOORING INC		30,245	109,505	
TWO Sigma Small Cap Fund	ARROW ELECTRONICS INC		1,950	7,059	
TWO Sigma Small Cap Fund	ARROW FINANCIAL CORP		6,253	22,640	
TWO Sigma Small Cap Fund	ARTESIAN RESOURCES CORP-CL A		7,057	25,552	
TWO Sigma Small Cap Fund	ASCENA RETAIL GROUP INC		192,507	696,994	
TWO Sigma Small Cap Fund	ASCENT CAPITAL GROUP INC-A		12,575	45,528	
TWO Sigma Small Cap Fund	ASHFORD HOSPITALITY PRIME IN		18,850	68,250	
TWO Sigma Small Cap Fund	ASSOCIATED CAPITAL GROUP - A		7,258	26,280	
TWO Sigma Small Cap Fund	ASTEC INDUSTRIES INC		7,453	26,984	
TWO Sigma Small Cap Fund	ASTORIA FINANCIAL CORP		90,143	326,375	
TWO Sigma Small Cap Fund	ASTRONICS CORP		10,281	37,224	
TWO Sigma Small Cap Fund	ATENTO SA		211	765	
TWO Sigma Small Cap Fund	ATHENAHEALTH INC		17,429	63,102	
TWO Sigma Small Cap Fund	ATHERSYS INC		1,606	5,814	
TWO Sigma Small Cap Fund	ATKORE INTERNATIONAL GROUP I		28,397	102,813	
TWO Sigma Small Cap Fund	ATLANTIC CAPITAL BANCSHARES		16,793	60,800	
TWO Sigma Small Cap Fund	ATLANTIC POWER CORP		10,288	37,250	
TWO Sigma Small Cap Fund	ATLANTICA YIELD PLC		13,895	50,310	
TWO Sigma Small Cap Fund	ATLAS FINANCIAL HOLDINGS INC		11,466	41,515	
TWO Sigma Small Cap Fund	ATLASSIAN CORP PLC-CLASS A		104,418	378,056	
TWO Sigma Small Cap Fund	ATRICURE INC		23,242	84,151	
TWO Sigma Small Cap Fund	AUTOBYTEL INC		7,058	25,555	
TWO Sigma Small Cap Fund	AVID TECHNOLOGY INC		12,031	43,560	
TWO Sigma Small Cap Fund	AVIS BUDGET GROUP INC		17,222	62,356	
TWO Sigma Small Cap Fund	AVISTA CORP		64,061	231,942	

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Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	AVX CORP		26,765	96,906	
TWO Sigma Small Cap Fund	AXCELIS TECHNOLOGIES INC		14,166	51,289	
TWO Sigma Small Cap Fund	AXIS CAPITAL HOLDINGS LTD		1,010	3,655	
TWO Sigma Small Cap Fund	AXOGEN INC		12,429	45,000	
TWO Sigma Small Cap Fund	BABCOCK & WILCOX ENTERPR		30,242	109,494	
TWO Sigma Small Cap Fund	BALDWIN & LYONS INC -CL B		14,616	52,920	
TWO Sigma Small Cap Fund	BANCFIRST CORP		15,420	55,830	
TWO Sigma Small Cap Fund	BANCO LATINOAMERICANO COME-E		42,282	153,088	
TWO Sigma Small Cap Fund	BANCORP INC/THE		29,307	106,110	
TWO Sigma Small Cap Fund	BANK MUTUAL CORP		24,002	86,902	
TWO Sigma Small Cap Fund	BANK OF MARIN BANCORP/CA		3,853	13,950	
TWO Sigma Small Cap Fund	BANK OF NT BUTTERFIELD & SON		62,522	226,368	
TWO Sigma Small Cap Fund	BANKFINANCIAL CORP		6,058	21,934	
TWO Sigma Small Cap Fund	BANKRATE INC		57,072	206,635	
TWO Sigma Small Cap Fund	BANNER CORPORATION		18,497	66,972	
TWO Sigma Small Cap Fund	BARNES & NOBLE EDUCATION INC		27,245	98,642	
TWO Sigma Small Cap Fund	BARRACUDA NETWORKS INC		89,967	325,736	
TWO Sigma Small Cap Fund	BARRETT BUSINESS SVCS INC		38,949	141,020	
TWO Sigma Small Cap Fund	BASSETT FURNITURE INDS		7,557	27,360	
TWO Sigma Small Cap Fund	BAXTER INTERNATIONAL INC		362,436	1,312,242	
TWO Sigma Small Cap Fund	BAYTEX ENERGY CORP		33,426	121,024	
TWO Sigma Small Cap Fund	BAZAARVOICE INC		46,214	167,325	
TWO Sigma Small Cap Fund	BB&T CORP		935	3,385	
TWO Sigma Small Cap Fund	BEAZER HOMES USA INC		40,775	147,630	
TWO Sigma Small Cap Fund	BEBE STORES INC		8	31	
TWO Sigma Small Cap Fund	BECTON DICKINSON AND CO		96,112	347,986	
TWO Sigma Small Cap Fund	BEL FUSE INC-CL B		14,492	52,468	
TWO Sigma Small Cap Fund	BELDEN INC		74,344	269,172	
TWO Sigma Small Cap Fund	BELLATRIX EXPLORATION LTD		469	1,699	
TWO Sigma Small Cap Fund	BELMOND LTD-CLASS A		20,648	74,760	
TWO Sigma Small Cap Fund	BENCHMARK ELECTRONICS INC		26,957	97,600	
TWO Sigma Small Cap Fund	BENEFICIAL BANCORP INC		61,909	224,149	
TWO Sigma Small Cap Fund	BERKSHIRE HILLS BANCORP INC		10,178	36,850	
TWO Sigma Small Cap Fund	BERRY PLASTICS GROUP INC		278,602	1,008,711	
TWO Sigma Small Cap Fund	BIG 5 SPORTING GOODS CORP		77,630	281,070	
TWO Sigma Small Cap Fund	BIGLARI HOLDINGS INC		13,070	47,320	
TWO Sigma Small Cap Fund	BILL BARRETT CORP		85,333	308,958	
TWO Sigma Small Cap Fund	BIOCRYST PHARMACEUTICALS INC		15,210	55,071	
TWO Sigma Small Cap Fund	BIOGEN INC		603,092	2,183,566	
TWO Sigma Small Cap Fund	BIOSCRIP INC		3,074	11,128	
TWO Sigma Small Cap Fund	BIOSPECIFICS TECHNOLOGIES		26,153	94,690	
TWO Sigma Small Cap Fund	BIOTELEMETRY INC		20,371	73,755	
TWO Sigma Small Cap Fund	BIOTIME INC		9,273	33,573	
TWO Sigma Small Cap Fund	BLACK BOX CORP		13,478	48,800	
TWO Sigma Small Cap Fund	BLACK DIAMOND INC		7,240	26,215	
TWO Sigma Small Cap Fund	BLACKROCK CAPITAL INVESTMENT		40,945	148,248	
TWO Sigma Small Cap Fund	BLOOMIN' BRANDS INC		80,409	291,130	
TWO Sigma Small Cap Fund	BLUCORA INC		26,888	97,350	
TWO Sigma Small Cap Fund	BLUE BIRD CORP		8,108	29,355	
TWO Sigma Small Cap Fund	BLUE HILLS BANCORP INC		16,572	60,000	
TWO Sigma Small Cap Fund	BLUEPRINT MEDICINES CORP		16,269	58,905	
TWO Sigma Small Cap Fund	BMC STOCK HOLDINGS INC		22,620	81,900	
TWO Sigma Small Cap Fund	BNC BANCORP		21,146	76,560	
TWO Sigma Small Cap Fund	BOFI HOLDING INC		68,603	248,385	
TWO Sigma Small Cap Fund	BOINGO WIRELESS INC		32,658	118,243	
TWO Sigma Small Cap Fund	BOISE CASCADE LLC		59,658	216,000	
TWO Sigma Small Cap Fund	BOJANGLES' INC		74,175	268,560	
TWO Sigma Small Cap Fund	BOOZ ALLEN HAMILTON HOLDINGS		119,549	432,840	
TWO Sigma Small Cap Fund	BOSTON PRIVATE FINL HOLDING		22,398	81,095	
TWO Sigma Small Cap Fund	BOTTOMLINE TECHNOLOGIES (DE)		33,170	120,096	
TWO Sigma Small Cap Fund	BOX INC - CLASS A		40,195	145,530	
TWO Sigma Small Cap Fund	BOYD GAMING CORP		28,411	102,867	
TWO Sigma Small Cap Fund	BP PRUDHOE BAY ROYALTY TRUST		643	2,328	
TWO Sigma Small Cap Fund	BRADY CORPORATION - CL A		26,965	97,630	
TWO Sigma Small Cap Fund	BRAVO BRIO RESTAURANT GROUP		5,563	20,140	
TWO Sigma Small Cap Fund	BRIDGE BANCORP INC		27,216	98,540	
TWO Sigma Small Cap Fund	BRIDGEPOINT EDUCATION INC		10,632	38,494	
TWO Sigma Small Cap Fund	BRIGGS & STRATTON		36,274	131,334	
TWO Sigma Small Cap Fund	BRIGHTCOVE		20,900	75,670	
TWO Sigma Small Cap Fund	BRINK'S CO/THE		74,055	268,125	
TWO Sigma Small Cap Fund	BRISTOW GROUP INC		35,070	126,976	
TWO Sigma Small Cap Fund	BROCADE COMMUNICATIONS SYS		342	1,237	
TWO Sigma Small Cap Fund	BROOKDALE SENIOR LIVING INC		17	62	
TWO Sigma Small Cap Fund	BROOKLINE BANCORP INC		34,584	125,214	
TWO Sigma Small Cap Fund	BROOKS AUTOMATION INC		66,477	240,687	
TWO Sigma Small Cap Fund	BRUKER CORP		58,498	211,800	
TWO Sigma Small Cap Fund	BRYN MAWR BANK CORP		16,298	59,010	
TWO Sigma Small Cap Fund	BSB BANCORP INC/MA		2,399	8,685	
TWO Sigma Small Cap Fund	BUFFALO WILD WINGS INC		13,007	47,092	
TWO Sigma Small Cap Fund	BUILD-A-BEAR WORKSHOP INC		6,456	23,375	
TWO Sigma Small Cap Fund	BURLINGTON STORES INC		133,423	483,075	
TWO Sigma Small Cap Fund	C & F FINANCIAL CORP		1,377	4,985	
TWO Sigma Small Cap Fund	CABOT MICROELECTRONICS CORP		19,384	70,182	
TWO Sigma Small Cap Fund	CADIZ INC		7,595	27,500	
TWO Sigma Small Cap Fund	CAESARS ACQUISITION CO-CL A		24,982	90,450	
TWO Sigma Small Cap Fund	CAESARS ENTERTAINMENT CORP		96,959	351,050	
TWO Sigma Small Cap Fund	CAESARSTONE LTD		36,400	131,790	
TWO Sigma Small Cap Fund	CAI INTERNATIONAL INC		3,673	13,300	
TWO Sigma Small Cap Fund	CALAMOS ASSET MANAGEMENT-A		8,626	31,233	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	CALAMP CORP		10,413	37,700	
TWO Sigma Small Cap Fund	CALATLANTIC GROUP INC		582	2,109	
TWO Sigma Small Cap Fund	CALAVO GROWERS INC		78,009	282,440	
TWO Sigma Small Cap Fund	CALERES INC		17,223	62,358	
TWO Sigma Small Cap Fund	CALGON CARBON CORP		21,599	78,200	
TWO Sigma Small Cap Fund	CALIFORNIA WATER SERVICE GRP		7,490	27,120	
TWO Sigma Small Cap Fund	CALIX INC		14,674	53,130	
TWO Sigma Small Cap Fund	CALLAWAY GOLF COMPANY		77,494	280,576	
TWO Sigma Small Cap Fund	CAMBREX CORP		67,053	242,775	
TWO Sigma Small Cap Fund	CAMDEN NATIONAL CORP		19,643	71,120	
TWO Sigma Small Cap Fund	CAMECO CORP		43,087	156,003	
TWO Sigma Small Cap Fund	CAMPING WORLD HOLDINGS INC-A		33,305	120,583	
TWO Sigma Small Cap Fund	CAN IMPERIAL BK OF COMMERCE		56,344	204,000	
TWO Sigma Small Cap Fund	CANTELL MEDICAL CORP		1,327	4,804	
TWO Sigma Small Cap Fund	CAPELLA EDUCATION CO		48,500	175,600	
TWO Sigma Small Cap Fund	CAPITAL BANK FINANCIAL-CL A		96,168	348,187	
TWO Sigma Small Cap Fund	CAPITAL CITY BANK GROUP INC		2,828	10,240	
TWO Sigma Small Cap Fund	CAPITAL PRODUCT PARTNERS LP		31,633	114,531	
TWO Sigma Small Cap Fund	CAPITAL SENIOR LIVING CORP		10,639	38,520	
TWO Sigma Small Cap Fund	CAPITALA FINANCE CORP		10,714	38,790	
TWO Sigma Small Cap Fund	CAPITOL FEDERAL FINANCIAL IN		86,832	314,386	
TWO Sigma Small Cap Fund	CAPSTONE TURBINE CORP		1	4	
TWO Sigma Small Cap Fund	CARBONITE INC		73,833	267,320	
TWO Sigma Small Cap Fund	CARDINAL FINANCIAL CORP		43,471	157,392	
TWO Sigma Small Cap Fund	CARDIOVASCULAR SYSTEMS INC		77,566	280,836	
TWO Sigma Small Cap Fund	CARDTRONICS PLC - A		49,738	180,081	
TWO Sigma Small Cap Fund	CARE.COM INC		10,178	36,851	
TWO Sigma Small Cap Fund	CAREER EDUCATION CORP		18,114	65,585	
TWO Sigma Small Cap Fund	CARETRUST REIT INC		63,779	230,918	
TWO Sigma Small Cap Fund	CAROLINA FINANCIAL CORP		20,410	73,896	
TWO Sigma Small Cap Fund	CARPENTER TECHNOLOGY		99,900	361,700	
TWO Sigma Small Cap Fund	CARRIAGE SERVICES INC		32,432	117,424	
TWO Sigma Small Cap Fund	CARRIZO OIL & GAS INC		19,600	70,965	
TWO Sigma Small Cap Fund	CARROLS RESTAURANT GROUP INC		14,338	51,911	
TWO Sigma Small Cap Fund	CASCADE BANCORP		26,150	94,679	
TWO Sigma Small Cap Fund	CASELLA WASTE SYSTEMS INC-A		35,990	130,305	
TWO Sigma Small Cap Fund	CASEY'S GENERAL STORES INC		2,660	9,629	
TWO Sigma Small Cap Fund	CASS INFORMATION SYSTEMS INC		14,305	51,793	
TWO Sigma Small Cap Fund	CASTLIGHT HEALTH INC-B		3,828	13,860	
TWO Sigma Small Cap Fund	CATALENT INC		46,896	169,794	
TWO Sigma Small Cap Fund	CATCHMARK TIMBER TRUST INC-A		20,526	74,316	
TWO Sigma Small Cap Fund	CATHAY GENERAL BANCORP		81,929	296,634	
TWO Sigma Small Cap Fund	CATO CORP-CLASS A		23,262	84,224	
TWO Sigma Small Cap Fund	CAVIUM INC		862	3,122	
TWO Sigma Small Cap Fund	CBIZ INC		21,190	76,720	
TWO Sigma Small Cap Fund	CDI CORP		1,635	5,920	
TWO Sigma Small Cap Fund	CDK GLOBAL INC		97,268	352,171	
TWO Sigma Small Cap Fund	CECO ENVIRONMENTAL CORP		28,751	104,095	
TWO Sigma Small Cap Fund	CEDAR REALTY TRUST INC		27,594	99,909	
TWO Sigma Small Cap Fund	CELADON GROUP INC		12,244	44,330	
TWO Sigma Small Cap Fund	CELESTICA INC		35,675	129,165	
TWO Sigma Small Cap Fund	CENTENE CORP		375	1,356	
TWO Sigma Small Cap Fund	CENTERPOINT ENERGY INC		157,206	569,184	
TWO Sigma Small Cap Fund	CENTERSTATE BANKS INC		30,964	112,107	
TWO Sigma Small Cap Fund	CENTRAL EUROPEAN MEDIA ENT-A		3,521	12,750	
TWO Sigma Small Cap Fund	CENTRAL GARDEN AND PET CO-A		70,836	256,470	
TWO Sigma Small Cap Fund	CENTRAL PACIFIC FINANCIAL CO		31,519	114,117	
TWO Sigma Small Cap Fund	CENTURY ALUMINUM COMPANY		42,083	152,368	
TWO Sigma Small Cap Fund	CENTURYLINK INC		631	2,283	
TWO Sigma Small Cap Fund	CEVA INC		42,727	154,699	
TWO Sigma Small Cap Fund	CHANNELADVISOR CORP		18,232	66,010	
TWO Sigma Small Cap Fund	CHARLES RIVER LABORATORIES		12,626	45,714	
TWO Sigma Small Cap Fund	CHART INDUSTRIES INC		78,594	284,558	
TWO Sigma Small Cap Fund	CHARTER COMMUNICATIONS INC-A		159	576	
TWO Sigma Small Cap Fund	CHARTER FINANCIAL CORP		5,525	20,004	
TWO Sigma Small Cap Fund	CHASE CORP		18,461	66,840	
TWO Sigma Small Cap Fund	CHATHAM LODGING TRUST		460	1,665	
TWO Sigma Small Cap Fund	CHEFS' WAREHOUSE INC/THE		18,328	66,360	
TWO Sigma Small Cap Fund	CHEGG INC		29,352	106,272	
TWO Sigma Small Cap Fund	CHEMED CORP		28,887	104,587	
TWO Sigma Small Cap Fund	CHEMICAL FINANCIAL CORP		598	2,167	
TWO Sigma Small Cap Fund	CHEMOURS CO/THE		322,752	1,168,561	
TWO Sigma Small Cap Fund	CHEROKEE INC		4,060	14,700	
TWO Sigma Small Cap Fund	CHESAPEAKE LODGING TRUST		118,564	429,276	
TWO Sigma Small Cap Fund	CHICAGO BRIDGE & IRON CO NV		98,215	355,600	
TWO Sigma Small Cap Fund	CHICO'S FAS INC		350	1,266	
TWO Sigma Small Cap Fund	CHIMERA INVESTMENT CORP		197	715	
TWO Sigma Small Cap Fund	CHIMERIX INC		20,201	73,140	
TWO Sigma Small Cap Fund	CHOICE HOTELS INTL INC		1,316	4,764	
TWO Sigma Small Cap Fund	CHRISTOPHER & BANKS CORP		2,197	7,956	
TWO Sigma Small Cap Fund	CHURCHILL DOWNS INC		208	752	
TWO Sigma Small Cap Fund	CHUY'S HOLDINGS INC		12,548	45,430	
TWO Sigma Small Cap Fund	CIBER INC		140	505	
TWO Sigma Small Cap Fund	CIENA CORP		202,777	734,180	
TWO Sigma Small Cap Fund	CINCINNATI BELL INC		41,729	151,086	
TWO Sigma Small Cap Fund	CIRCOR INTERNATIONAL INC		39,190	141,893	
TWO Sigma Small Cap Fund	CIT GROUP INC		554	2,006	
TWO Sigma Small Cap Fund	CITI TRENDS INC		14,050	50,868	
TWO Sigma Small Cap Fund	CITIZENS & NORTHERN CORP		5,065	18,340	

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(a)	(b)	(c)	(c)	(d)	(e)
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	CITIZENS INC		18,986	68,740	
TWO Sigma Small Cap Fund	CITY HOLDING CO		20,538	74,360	
TWO Sigma Small Cap Fund	CITY OFFICE REIT INC		10,549	38,193	
TWO Sigma Small Cap Fund	CIVEO CORP		9,661	34,980	
TWO Sigma Small Cap Fund	CIVITAS SOLUTIONS INC		39,024	141,290	
TWO Sigma Small Cap Fund	CLEAN ENERGY FUELS CORP		8,294	30,030	
TWO Sigma Small Cap Fund	CLEAR CHANNEL OUTDOOR-CL A		4,603	16,665	
TWO Sigma Small Cap Fund	CLEARFIELD INC		6,861	24,840	
TWO Sigma Small Cap Fund	CLEARWATER PAPER CORP		41,641	150,765	
TWO Sigma Small Cap Fund	CLIFFS NATURAL RESOURCES INC		39,488	142,970	
TWO Sigma Small Cap Fund	CLIFTON BANCORP INC		10,183	36,869	
TWO Sigma Small Cap Fund	CLOUD PEAK ENERGY INC		46,949	169,983	
TWO Sigma Small Cap Fund	CLOVIS ONCOLOGY INC		25,764	93,282	
TWO Sigma Small Cap Fund	CLUBCORP HOLDINGS INC		22,591	81,795	
TWO Sigma Small Cap Fund	CNB FINANCIAL CORP/PA		4,431	16,044	
TWO Sigma Small Cap Fund	CNO FINANCIAL GROUP INC		30,677	111,070	
TWO Sigma Small Cap Fund	COBIZ FINANCIAL INC		17,727	64,182	
TWO Sigma Small Cap Fund	COEUR MINING INC		151	545	
TWO Sigma Small Cap Fund	COHEN & STEERS INC		22,272	80,640	
TWO Sigma Small Cap Fund	COHERENT INC		91,068	329,724	
TWO Sigma Small Cap Fund	COHERUS BIOSCIENCES INC		73,862	267,425	
TWO Sigma Small Cap Fund	COHU INC		11,901	43,090	
TWO Sigma Small Cap Fund	COLGATE-PALMOLIVE CO		23,497	85,072	
TWO Sigma Small Cap Fund	COLLECTORS UNIVERSE		4,691	16,984	
TWO Sigma Small Cap Fund	COLLIERS INTERNATIONAL GROUP		5,075	18,375	
TWO Sigma Small Cap Fund	COLUMBIA BANKING SYSTEM INC		383	1,385	
TWO Sigma Small Cap Fund	COLUMBUS MCKINNON CORP/NY		25,392	91,936	
TWO Sigma Small Cap Fund	COMERICA INC		790	2,861	
TWO Sigma Small Cap Fund	COMFORT SYSTEMS USA INC		84,615	306,360	
TWO Sigma Small Cap Fund	COMMERCEHUB INC-SERIES C		21,503	77,855	
TWO Sigma Small Cap Fund	COMMERCIAL METALS CO		7,820	28,314	
TWO Sigma Small Cap Fund	COMMERCIAL VEHICLE GROUP INC		10,823	39,186	
TWO Sigma Small Cap Fund	COMMScope HOLDING CO INC		173,639	628,680	
TWO Sigma Small Cap Fund	COMMUNICATIONS SALES & LE		98	356	
TWO Sigma Small Cap Fund	COMMUNITY HEALTH SYSTEMS INC		115,486	418,132	
TWO Sigma Small Cap Fund	COMMUNITY HEALTHCARE TRUST I		23,535	85,211	
TWO Sigma Small Cap Fund	COMMUNITY TRUST BANCORP INC		20,138	72,912	
TWO Sigma Small Cap Fund	COMMVAULT SYSTEMS INC		75,241	272,420	
TWO Sigma Small Cap Fund	COMPASS DIVERSIFIED HOLDINGS		85,114	308,166	
TWO Sigma Small Cap Fund	COMPUTER PROGRAMS & SYSTEMS		10,429	37,760	
TWO Sigma Small Cap Fund	COMSCORE INC		65,557	237,355	
TWO Sigma Small Cap Fund	COMTECH TELECOMMUNICATIONS		32,664	118,263	
TWO Sigma Small Cap Fund	CONAGRA BRANDS INC		115,790	419,230	
TWO Sigma Small Cap Fund	CONCERT PHARMACEUTICALS INC		5,684	20,580	
TWO Sigma Small Cap Fund	CONCHO RESOURCES INC		7,325	26,520	
TWO Sigma Small Cap Fund	CONCORDIA INTERNATIONAL CORP		7,671	27,772	
TWO Sigma Small Cap Fund	CONFORMIS INC		1,342	4,860	
TWO Sigma Small Cap Fund	CONMED CORP		39,039	141,344	
TWO Sigma Small Cap Fund	CONNECTICUT WATER SVC INC		7,713	27,925	
TWO Sigma Small Cap Fund	CONNECTONE BANCORP INC		26,067	94,380	
TWO Sigma Small Cap Fund	CONN'S INC		15,156	54,876	
TWO Sigma Small Cap Fund	CONS TOMOKA LAND CO-FLORIDA		4,426	16,026	
TWO Sigma Small Cap Fund	CONSOL ENERGY INC		225,570	816,704	
TWO Sigma Small Cap Fund	CONSOLIDATED COMMUNICATIONS		80,225	290,463	
TWO Sigma Small Cap Fund	CONSOLIDATED WATER CO-ORD SH		8,391	30,380	
TWO Sigma Small Cap Fund	CONSTELLUM NV- CLASS A		7,007	25,370	
TWO Sigma Small Cap Fund	CONSUMER PORTFOLIO SERVICES		707	2,560	
TWO Sigma Small Cap Fund	CONTAINER STORE GROUP INC/TH		33,498	121,285	
TWO Sigma Small Cap Fund	CONTANGO OIL & GAS		9,261	33,531	
TWO Sigma Small Cap Fund	CONTINENTAL BUILDING PRODUCT		38,919	140,910	
TWO Sigma Small Cap Fund	CONTINENTAL RESOURCES INC/OK		171	618	
TWO Sigma Small Cap Fund	CONTROL4 CORP		14,931	54,060	
TWO Sigma Small Cap Fund	CONVERGYS CORP		112,604	407,696	
TWO Sigma Small Cap Fund	COPA HOLDINGS SA-CLASS A		117,908	426,901	
TWO Sigma Small Cap Fund	COPART INC		934	3,380	
TWO Sigma Small Cap Fund	CORCEPT THERAPEUTICS INC		64,366	233,046	
TWO Sigma Small Cap Fund	CORE MOLDING TECHNOLOGIES IN		8,034	29,087	
TWO Sigma Small Cap Fund	CORECIVIC INC		419	1,517	
TWO Sigma Small Cap Fund	CORELOGIC INC		122,068	441,960	
TWO Sigma Small Cap Fund	CORNERSTONE ONDEMAND INC		50,249	181,933	
TWO Sigma Small Cap Fund	CORVEL CORP		30,326	109,800	
TWO Sigma Small Cap Fund	COSAN LTD-CLASS A SHARES		53,930	195,260	
TWO Sigma Small Cap Fund	COSTAMARE INC		33,873	122,640	
TWO Sigma Small Cap Fund	COTT CORPORATION		79,484	287,782	
TWO Sigma Small Cap Fund	COUSINS PROPERTIES INC		101,576	367,768	
TWO Sigma Small Cap Fund	COVANTA HOLDING CORP		167,607	606,840	
TWO Sigma Small Cap Fund	COVENANT TRANSPORT GRP-CL A		27,776	100,568	
TWO Sigma Small Cap Fund	COWEN GROUP INC-CLASS A		54,870	198,664	
TWO Sigma Small Cap Fund	CPI CARD GROUP INC		4,814	17,430	
TWO Sigma Small Cap Fund	CRA INTERNATIONAL INC		19,207	69,540	
TWO Sigma Small Cap Fund	CRAFT BREW ALLIANCE INC		3,734	13,520	
TWO Sigma Small Cap Fund	CRANE CO		67,725	245,208	
TWO Sigma Small Cap Fund	CRAWFORD & CO -CL B		6,938	25,120	
TWO Sigma Small Cap Fund	CRAY INC		29,730	107,640	
TWO Sigma Small Cap Fund	CREDICORP LTD		52,320	189,432	
TWO Sigma Small Cap Fund	CREE INC		7,289	26,390	
TWO Sigma Small Cap Fund	CROCS INC		54,378	196,882	
TWO Sigma Small Cap Fund	CROSS COUNTRY HEALTHCARE INC		31,473	113,953	
TWO Sigma Small Cap Fund	CROSS TIMBERS ROYALTY TRUST		3,971	14,376	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	CRYOLIFE INC		19,041	68,940	
TWO Sigma Small Cap Fund	CSG SYSTEMS INTL INC		45,451	164,560	
TWO Sigma Small Cap Fund	CSRA INC		162,690	589,040	
TWO Sigma Small Cap Fund	CSS INDUSTRIES INC		5,234	18,949	
TWO Sigma Small Cap Fund	CSW INDUSTRIALS INC		38,676	140,030	
TWO Sigma Small Cap Fund	CTS CORP		22,272	80,640	
TWO Sigma Small Cap Fund	CU BANCORP		16,809	60,860	
TWO Sigma Small Cap Fund	CUBIC CORP		3,973	14,385	
TWO Sigma Small Cap Fund	CUI GLOBAL INC		4,211	15,246	
TWO Sigma Small Cap Fund	CULLEN/FROST BANKERS INC		21,932	79,407	
TWO Sigma Small Cap Fund	CULP INC		18,469	66,870	
TWO Sigma Small Cap Fund	CURIS INC		11,059	40,040	
TWO Sigma Small Cap Fund	CURTISS-WRIGHT CORP		65,200	236,064	
TWO Sigma Small Cap Fund	CUSTOMERS BANCORP INC		21,567	78,088	
TWO Sigma Small Cap Fund	CUTERA INC		11,309	40,946	
TWO Sigma Small Cap Fund	CVR ENERGY INC		407	1,473	
TWO Sigma Small Cap Fund	CYNOSURE INC-A		41,172	149,066	
TWO Sigma Small Cap Fund	CYPRESS SEMICONDUCTOR CORP		92	332	
TWO Sigma Small Cap Fund	CYRUSONE INC		7,413	26,838	
TWO Sigma Small Cap Fund	CYS INVESTMENTS INC		57,645	208,710	
TWO Sigma Small Cap Fund	CYTOKINETICS INC		2,013	7,290	
TWO Sigma Small Cap Fund	CYTOMX THERAPEUTICS INC		4,553	16,485	
TWO Sigma Small Cap Fund	DAKTRONICS INC		24,866	90,030	
TWO Sigma Small Cap Fund	DANA INC		14,154	51,246	
TWO Sigma Small Cap Fund	DARLING INGREDIENTS INC		31,021	112,317	
TWO Sigma Small Cap Fund	DATALINK CORP		11,507	41,662	
TWO Sigma Small Cap Fund	DAVE & BUSTER'S ENTERTAINMEN		220,808	799,460	
TWO Sigma Small Cap Fund	DAVIDSTEA INC		5,108	18,495	
TWO Sigma Small Cap Fund	DAWSON GEOPHYSICAL CO		4,910	17,776	
TWO Sigma Small Cap Fund	DDR CORP		174,183	630,651	
TWO Sigma Small Cap Fund	DEL FRISCO'S RESTAURANT GROU		37,563	136,000	
TWO Sigma Small Cap Fund	DEL TACO RESTAURANTS INC		15,600	56,480	
TWO Sigma Small Cap Fund	DELEK US HOLDINGS INC		17,285	62,582	
TWO Sigma Small Cap Fund	DELL TECHNOLOGIES INC-CL V		132,088	478,239	
TWO Sigma Small Cap Fund	DELPHI AUTOMOTIVE PLC		89,289	323,280	
TWO Sigma Small Cap Fund	DELTIC TIMBER CORP		8,515	30,828	
TWO Sigma Small Cap Fund	DENBURY RESOURCES INC		102	368	
TWO Sigma Small Cap Fund	DENNY'S CORP		32,601	118,036	
TWO Sigma Small Cap Fund	DENTSPLY SIRONA INC		271	981	
TWO Sigma Small Cap Fund	DESCARTES SYSTEMS GRP/THE		1,182	4,280	
TWO Sigma Small Cap Fund	DESTINATION XL GROUP INC		3,052	11,050	
TWO Sigma Small Cap Fund	DEVRY EDUCATION GROUP INC		118,919	430,560	
TWO Sigma Small Cap Fund	DHI GROUP INC		21,233	76,875	
TWO Sigma Small Cap Fund	DIAMOND HILL INVESTMENT GRP		5,811	21,038	
TWO Sigma Small Cap Fund	DIAMOND OFFSHORE DRILLING		47,909	173,460	
TWO Sigma Small Cap Fund	DIGI INTERNATIONAL INC		25,065	90,750	
TWO Sigma Small Cap Fund	DIGIRAD CORP		2,210	8,000	
TWO Sigma Small Cap Fund	DIGITALGLOBE INC		105,480	381,905	
TWO Sigma Small Cap Fund	DIME COMMUNITY BANCSHARES		24,982	90,450	
TWO Sigma Small Cap Fund	DIODES INC		27,651	100,113	
TWO Sigma Small Cap Fund	DIPLOMAT PHARMACY INC		96,746	350,280	
TWO Sigma Small Cap Fund	DIXIE GROUP INC		99	360	
TWO Sigma Small Cap Fund	DMC GLOBAL INC		8,318	30,115	
TWO Sigma Small Cap Fund	DOLBY LABORATORIES INC-CL A		56,166	203,355	
TWO Sigma Small Cap Fund	DOLLAR GENERAL CORP		20	74	
TWO Sigma Small Cap Fund	DOMINION DIAMOND CORP		16,041	58,080	
TWO Sigma Small Cap Fund	DOMINO'S PIZZA INC		360,648	1,305,768	
TWO Sigma Small Cap Fund	DOMTAR CORP		36,652	132,702	
TWO Sigma Small Cap Fund	DONALDSON CO INC		116,223	420,800	
TWO Sigma Small Cap Fund	DONEGAL GROUP INC-CL A		3,862	13,984	
TWO Sigma Small Cap Fund	DOW CHEMICAL CO/THE		16	57	
TWO Sigma Small Cap Fund	DRIVE SHACK INC		41,540	150,400	
TWO Sigma Small Cap Fund	DSP GROUP INC		11,660	42,217	
TWO Sigma Small Cap Fund	DSW INC-CLASS A		513	1,857	
TWO Sigma Small Cap Fund	DUCOMMUN INC		22,591	81,792	
TWO Sigma Small Cap Fund	DUKE ENERGY CORP		21	78	
TWO Sigma Small Cap Fund	DUNKIN' BRANDS GROUP INC		29	105	
TWO Sigma Small Cap Fund	DUPONT FABROS TECHNOLOGY		127,400	461,265	
TWO Sigma Small Cap Fund	DURECT CORPORATION		4,996	18,090	
TWO Sigma Small Cap Fund	DXP ENTERPRISES INC		46,056	166,752	
TWO Sigma Small Cap Fund	DYNAVAX TECHNOLOGIES CORP		89	324	
TWO Sigma Small Cap Fund	DYNEGY INC		29,909	108,288	
TWO Sigma Small Cap Fund	DYNEX CAPITAL INC		26,618	96,373	
TWO Sigma Small Cap Fund	E*TRADE FINANCIAL CORP		230,642	835,065	
TWO Sigma Small Cap Fund	EAGLE BANCORP INC		46,260	167,491	
TWO Sigma Small Cap Fund	EAGLE BULK SHIPPING INC		8	29	
TWO Sigma Small Cap Fund	EARTHLINK HOLDINGS CORP		38,476	139,308	
TWO Sigma Small Cap Fund	EAST WEST BANCORP INC		98	356	
TWO Sigma Small Cap Fund	EASTERLY GOVERNMENT PROPERTI		49,212	178,178	
TWO Sigma Small Cap Fund	EASTMAN KODAK CO		14,127	51,150	
TWO Sigma Small Cap Fund	ECHOSTAR CORP-A		49,678	179,865	
TWO Sigma Small Cap Fund	ECLIPSE RESOURCES CORP		6,416	23,229	
TWO Sigma Small Cap Fund	EHEALTH INC		13,825	50,055	
TWO Sigma Small Cap Fund	EIGER BIOPHARMACEUTICALS INC		42	151	
TWO Sigma Small Cap Fund	EL POLLO LOCO HOLDINGS INC		20,044	72,570	
TWO Sigma Small Cap Fund	ELDORADO RESORTS INC		76,309	276,285	
TWO Sigma Small Cap Fund	ELECTRO SCIENTIFIC INDS INC		9,483	34,336	
TWO Sigma Small Cap Fund	ELLINGTON RESIDENTIAL MORTGA		2,156	7,806	
TWO Sigma Small Cap Fund	EMC INS GROUP INC		4,144	15,005	

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TWO Sigma Small Cap Fund		EMCOR GROUP INC	919	3,326
TWO Sigma Small Cap Fund		EMCORE CORP	28,114	101,790
TWO Sigma Small Cap Fund		EMERGENT BIOSOLUTIONS INC	31,746	114,940
TWO Sigma Small Cap Fund		EMERSON ELECTRIC CO	15	56
TWO Sigma Small Cap Fund		EMPLOYERS HOLDINGS INC	44,843	162,360
TWO Sigma Small Cap Fund		ENANTA PHARMACEUTICALS INC	45,338	164,150
TWO Sigma Small Cap Fund		ENBRIDGE ENERGY MANAGEMENT L	386	1,399
TWO Sigma Small Cap Fund		ENCANA CORP	178,015	644,526
TWO Sigma Small Cap Fund		ENCORE CAPITAL GROUP INC	13,571	49,135
TWO Sigma Small Cap Fund		ENCORE WIRE CORP	39,463	142,882
TWO Sigma Small Cap Fund		ENDOCYTE INC	4,226	15,300
TWO Sigma Small Cap Fund		ENDOLOGIX INC	27,015	97,812
TWO Sigma Small Cap Fund		ENDURANCE INTERNATIONAL GROU	771	2,790
TWO Sigma Small Cap Fund		ENERNOC INC	10,109	36,600
TWO Sigma Small Cap Fund		ENERPLUS CORP	262	948
TWO Sigma Small Cap Fund		ENERSYS	60,399	218,680
TWO Sigma Small Cap Fund		ENGILITY HOLDINGS INC	29,785	107,840
TWO Sigma Small Cap Fund		ENLINK MIDSTREAM LLC	17,258	62,484
TWO Sigma Small Cap Fund		ENNIS INC	26,835	97,160
TWO Sigma Small Cap Fund		ENOVA INTERNATIONAL INC	45,755	165,660
TWO Sigma Small Cap Fund		ENPRO INDUSTRIES INC	29,972	108,517
TWO Sigma Small Cap Fund		ENSCO PLC-CL A	134,500	486,972
TWO Sigma Small Cap Fund		ENSIGN GROUP INC/THE	38,646	139,923
TWO Sigma Small Cap Fund		ENTEGRIS INC	126,070	456,450
TWO Sigma Small Cap Fund		ENTERCOM COMMUNICATIONS-CL A	13,100	47,430
TWO Sigma Small Cap Fund		ENTERPRISE FINANCIAL SERVICE	22,470	81,356
TWO Sigma Small Cap Fund		ENTRAVISION COMMUNICATIONS-A	16,240	58,800
TWO Sigma Small Cap Fund		INVESTNET INC	253	917
TWO Sigma Small Cap Fund		ENVISION HEALTHCARE CORP	35	127
TWO Sigma Small Cap Fund		ENZO BIOCHEM INC	13,801	49,968
TWO Sigma Small Cap Fund		EPR PROPERTIES	1,586	5,742
TWO Sigma Small Cap Fund		EQUINIX INC	790	2,859
TWO Sigma Small Cap Fund		EQUITY BANCSHARES INC - CL A	929	3,364
TWO Sigma Small Cap Fund		EQUITY COMMONWEALTH	58,465	211,680
TWO Sigma Small Cap Fund		ERA GROUP INC	14,530	52,607
TWO Sigma Small Cap Fund		EROS INTERNATIONAL PLC	8,290	30,015
TWO Sigma Small Cap Fund		ESCALADE INC	1,094	3,960
TWO Sigma Small Cap Fund		ESCO TECHNOLOGIES INC	3,129	11,330
TWO Sigma Small Cap Fund		ESSENDANT INC	74,465	269,610
TWO Sigma Small Cap Fund		ESSENT GROUP LTD	63,477	229,827
TWO Sigma Small Cap Fund		ESTERLINE TECHNOLOGIES CORP	54,201	196,240
TWO Sigma Small Cap Fund		ETHAN ALLEN INTERIORS INC	35,622	128,975
TWO Sigma Small Cap Fund		ETSY INC	27,005	97,774
TWO Sigma Small Cap Fund		EVERCORE PARTNERS INC-CL A	136,618	494,640
TWO Sigma Small Cap Fund		EVERI HOLDINGS INC	3,117	11,284
TWO Sigma Small Cap Fund		EVERSOURCE ENERGY	1,007	3,645
TWO Sigma Small Cap Fund		EVERTEC INC	50,496	182,825
TWO Sigma Small Cap Fund		EVINE LIVE INC	2,859	10,350
TWO Sigma Small Cap Fund		EVOLENT HEALTH INC - A	37,198	134,680
TWO Sigma Small Cap Fund		EVOLUTION PETROLEUM CORP	23,477	85,000
TWO Sigma Small Cap Fund		EW SCRIPPS CO/THE-A	53,202	192,623
TWO Sigma Small Cap Fund		EXA CORP	8,485	30,720
TWO Sigma Small Cap Fund		EXACTECH INC	9,764	35,354
TWO Sigma Small Cap Fund		EXAR CORP	24,117	87,318
TWO Sigma Small Cap Fund		EXELIXIS INC	609,888	2,208,171
TWO Sigma Small Cap Fund		EXELON CORP	706	2,555
TWO Sigma Small Cap Fund		EXLSERVICE HOLDINGS INC	53,510	193,740
TWO Sigma Small Cap Fund		EXONE CO/THE	516	1,868
TWO Sigma Small Cap Fund		EXPEDIA INC	1,658	6,004
TWO Sigma Small Cap Fund		EXPONENT INC	16,655	60,300
TWO Sigma Small Cap Fund		EXPRESS INC	74,341	269,161
TWO Sigma Small Cap Fund		EXTERRAN CORP	33,666	121,890
TWO Sigma Small Cap Fund		EXTRA SPACE STORAGE INC	1,088	3,939
TWO Sigma Small Cap Fund		EXTREME NETWORKS INC	46,957	170,014
TWO Sigma Small Cap Fund		EZCORP INC-CL A	35,004	126,735
TWO Sigma Small Cap Fund		F5 NETWORKS INC	3,957	14,327
TWO Sigma Small Cap Fund		FABRINET	10,018	36,270
TWO Sigma Small Cap Fund		FAIR ISAAC CORP	1,284	4,650
TWO Sigma Small Cap Fund		FAIRMOUNT SANTROL HOLDINGS I	82,386	298,287
TWO Sigma Small Cap Fund		FAIRPOINT COMMUNICATIONS INC	37,704	136,510
TWO Sigma Small Cap Fund		FAMOUS DAVE'S OF AMERICA	957	3,465
TWO Sigma Small Cap Fund		FARMER BROS CO	20,273	73,400
TWO Sigma Small Cap Fund		FARMERS CAPITAL BANK CORP	3,484	12,615
TWO Sigma Small Cap Fund		FARMERS NATL BANC CORP	9,805	35,500
TWO Sigma Small Cap Fund		FARO TECHNOLOGIES INC	31,818	115,200
TWO Sigma Small Cap Fund		FBL FINANCIAL GROUP INC-CL A	12,951	46,890
TWO Sigma Small Cap Fund		FBR & CO	1,583	5,733
TWO Sigma Small Cap Fund		FCB FINANCIAL HOLDINGS-CL A	156,777	567,630
TWO Sigma Small Cap Fund		FEDERAL AGRIC MTG CORP-CL C	11,072	40,089
TWO Sigma Small Cap Fund		FEDERAL SIGNAL CORP	54,324	196,686
TWO Sigma Small Cap Fund		FEDERAL-MOGUL HOLDINGS CORP	13,099	47,426
TWO Sigma Small Cap Fund		FEDERATED INVESTORS INC-CL B	41,397	149,884
TWO Sigma Small Cap Fund		FEDERATED NATIONAL HOLDING C	18,584	67,284
TWO Sigma Small Cap Fund		FELCOR LODGING TRUST INC	57,521	208,260
TWO Sigma Small Cap Fund		FERROGLOBE PLC	263	953
TWO Sigma Small Cap Fund		FIBROGEN INC	51,422	186,180
TWO Sigma Small Cap Fund		FIDELITY SOUTHERN CORP	4,047	14,652
TWO Sigma Small Cap Fund		FIDUS INVESTMENT CORP	22,592	81,796
TWO Sigma Small Cap Fund		FIFTH STREET FINANCE CORP	61,700	223,392

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	FIFTH STREET SENIOR FLOATING		17,321	62,712	
TWO Sigma Small Cap Fund	FINANCIAL ENGINES INC		52,781	191,100	
TWO Sigma Small Cap Fund	FINANCIAL INSTITUTIONS INC		28,338	102,600	
TWO Sigma Small Cap Fund	FINISAR CORPORATION		236,601	856,641	
TWO Sigma Small Cap Fund	FIRST AMERICAN FINANCIAL		169,501	613,699	
TWO Sigma Small Cap Fund	FIRST BANCORP INC/ME		2,743	9,930	
TWO Sigma Small Cap Fund	FIRST BANCORP PUERTO RICO		155,705	563,747	
TWO Sigma Small Cap Fund	FIRST BANCORP/NC		30,733	111,274	
TWO Sigma Small Cap Fund	FIRST BUSEY CORP		25,215	91,293	
TWO Sigma Small Cap Fund	FIRST BUSINESS FINANCIAL SER		3,276	11,860	
TWO Sigma Small Cap Fund	FIRST CITIZENS BCSHS -CL A		29,415	106,500	
TWO Sigma Small Cap Fund	FIRST COMMUNITY BANCSHARES		8,325	30,140	
TWO Sigma Small Cap Fund	FIRST CONNECTICUT BANCORP		4,629	16,761	
TWO Sigma Small Cap Fund	FIRST DATA CORP- CLASS A		374,677	1,356,564	
TWO Sigma Small Cap Fund	FIRST DEFIANCE FINL CORP		15,416	55,814	
TWO Sigma Small Cap Fund	FIRST FINANCIAL BANCORP		14,160	51,267	
TWO Sigma Small Cap Fund	FIRST FINANCIAL CORP/INDIANA		11,667	42,240	
TWO Sigma Small Cap Fund	FIRST FINANCIAL NORTHWEST		5,916	21,418	
TWO Sigma Small Cap Fund	FIRST FINL BANKSHARES INC		8,739	31,640	
TWO Sigma Small Cap Fund	FIRST FOUNDATION INC		23,615	85,500	
TWO Sigma Small Cap Fund	FIRST HORIZON NATIONAL CORP		514	1,861	
TWO Sigma Small Cap Fund	FIRST INTERNET BANCORP		884	3,200	
TWO Sigma Small Cap Fund	FIRST INTERSTATE BANCOSYS-A		70,513	255,300	
TWO Sigma Small Cap Fund	FIRST MERCHANTS CORP		41,595	150,600	
TWO Sigma Small Cap Fund	FIRST MIDWEST BANCORP INC/IL		40,417	146,334	
TWO Sigma Small Cap Fund	FIRST OF LONG ISLAND CORP		11,040	39,970	
TWO Sigma Small Cap Fund	FIRST POTOMAC REALTY TRUST		25,754	93,245	
TWO Sigma Small Cap Fund	FIRST SOLAR INC		306,664	1,110,314	
TWO Sigma Small Cap Fund	FIRSTCASH INC		208	752	
TWO Sigma Small Cap Fund	FIRSTENERGY CORP		10,265	37,164	
TWO Sigma Small Cap Fund	FIRSTSERVICE CORP		5,246	18,992	
TWO Sigma Small Cap Fund	FITBIT INC - A		206,219	746,640	
TWO Sigma Small Cap Fund	FIVE OAKS INVESTMENT CORP		331	1,198	
TWO Sigma Small Cap Fund	FIVE PRIME THERAPEUTICS INC		23,528	85,187	
TWO Sigma Small Cap Fund	FIVE9 INC		59,180	214,269	
TWO Sigma Small Cap Fund	FLEX LTD		11,510	41,673	
TWO Sigma Small Cap Fund	FLEXSTEEL INDS		11,923	43,169	
TWO Sigma Small Cap Fund	FLUSHING FINANCIAL CORP		15,074	54,577	
TWO Sigma Small Cap Fund	FNB CORP		51,659	187,038	
TWO Sigma Small Cap Fund	FNFV GROUP		26,866	97,270	
TWO Sigma Small Cap Fund	FOGO DE CHAO INC		793	2,870	
TWO Sigma Small Cap Fund	FONAR CORP		3,702	13,405	
TWO Sigma Small Cap Fund	FORESTAR GROUP INC		71,999	260,680	
TWO Sigma Small Cap Fund	FORMFACTOR INC		5,089	18,424	
TWO Sigma Small Cap Fund	FORRESTER RESEARCH INC		18,043	65,327	
TWO Sigma Small Cap Fund	FORTINET INC		469,193	1,698,768	
TWO Sigma Small Cap Fund	FORTRESS INVESTMENT GRP-CL A		22,551	81,648	
TWO Sigma Small Cap Fund	FORTUNA SILVER MINES INC		1,248	4,520	
TWO Sigma Small Cap Fund	FORTUNE BRANDS HOME & SECURI		66,444	240,570	
TWO Sigma Small Cap Fund	FORWARD AIR CORP		14,395	52,118	
TWO Sigma Small Cap Fund	FOSSIL GROUP INC		13,571	49,134	
TWO Sigma Small Cap Fund	FOSTER (LB) CO-A		8,639	31,280	
TWO Sigma Small Cap Fund	FOUNDATION MEDICINE INC		489	1,770	
TWO Sigma Small Cap Fund	FOUR CORNERS PROPERTY TRUST		9,068	32,832	
TWO Sigma Small Cap Fund	FRANCESCAS HOLDINGS CORP		37,847	137,028	
TWO Sigma Small Cap Fund	FRANKLIN COVEY CO		10,574	38,285	
TWO Sigma Small Cap Fund	FRANKLIN FINANCIAL NETWORK		23,118	83,700	
TWO Sigma Small Cap Fund	FREIGHTCAR AMERICA INC		15,257	55,241	
TWO Sigma Small Cap Fund	FRESH DEL MONTE PRODUCE INC		38,515	139,449	
TWO Sigma Small Cap Fund	FRP HOLDINGS INC		1,041	3,770	
TWO Sigma Small Cap Fund	FTD COS INC		15,144	54,832	
TWO Sigma Small Cap Fund	FTI CONSULTING INC		12,451	45,080	
TWO Sigma Small Cap Fund	FUTUREFUEL CORP		33,784	122,320	
TWO Sigma Small Cap Fund	FXCM INC-A		179	649	
TWO Sigma Small Cap Fund	GAIN CAPITAL HOLDINGS INC		16,720	60,536	
TWO Sigma Small Cap Fund	GAMCO INVESTORS INC-A		8,532	30,890	
TWO Sigma Small Cap Fund	GAMESTOP CORP-CLASS A		65,581	237,444	
TWO Sigma Small Cap Fund	GAMING AND LEISURE PROPERTIE		533	1,929	
TWO Sigma Small Cap Fund	GANNETT CO INC		84,747	306,836	
TWO Sigma Small Cap Fund	GAP INC/THE		490	1,773	
TWO Sigma Small Cap Fund	GARRISON CAPITAL INC		7,747	28,050	
TWO Sigma Small Cap Fund	GASLOG PARTNERS LP		15,325	55,485	
TWO Sigma Small Cap Fund	GCP APPLIED TECHNOLOGIES		64,278	232,725	
TWO Sigma Small Cap Fund	GENERAC HOLDINGS INC		3,376	12,222	
TWO Sigma Small Cap Fund	GENERAL CABLE CORP		77,871	281,940	
TWO Sigma Small Cap Fund	GENERAL COMMUNICATION INC-A		29,546	106,975	
TWO Sigma Small Cap Fund	GENESIS HEALTHCARE INC		117	425	
TWO Sigma Small Cap Fund	GENMARK DIAGNOSTICS INC		19,270	69,768	
TWO Sigma Small Cap Fund	GENOMIC HEALTH INC		58,445	211,608	
TWO Sigma Small Cap Fund	GENWORTH FINANCIAL INC-CL A		67,242	243,459	
TWO Sigma Small Cap Fund	GEO GROUP INC/THE		10,370	37,547	
TWO Sigma Small Cap Fund	GEOSPACE TECHNOLOGIES CORP		12,934	46,828	
TWO Sigma Small Cap Fund	GERMAN AMERICAN BANCORP		14,531	52,610	
TWO Sigma Small Cap Fund	GERON CORP		1,658	6,003	
TWO Sigma Small Cap Fund	GETTY REALTY CORP		5,632	20,392	
TWO Sigma Small Cap Fund	GGP INC		16,558	59,952	
TWO Sigma Small Cap Fund	GIBALTAR INDUSTRIES INC		117,336	424,830	
TWO Sigma Small Cap Fund	GIGAMON INC		120,775	437,280	
TWO Sigma Small Cap Fund	G-III APPAREL GROUP LTD		128,180	464,092	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	GILEAD SCIENCES INC		717,916	2,599,300	
TWO Sigma Small Cap Fund	GLACIER BANCORP INC		26,017	94,198	
TWO Sigma Small Cap Fund	GLADSTONE CAPITAL CORP		23,601	85,449	
TWO Sigma Small Cap Fund	GLADSTONE COMMERCIAL CORP		45,523	164,820	
TWO Sigma Small Cap Fund	GLADSTONE INVESTMENT CORP		9,814	35,532	
TWO Sigma Small Cap Fund	GLATFELTER		29,033	105,116	
TWO Sigma Small Cap Fund	GLOBAL EAGLE ACQUISITION COR		1,606	5,814	
TWO Sigma Small Cap Fund	GLOBAL INDEMNITY LTD		4,221	15,284	
TWO Sigma Small Cap Fund	GLOBAL PAYMENTS INC		364	1,319	
TWO Sigma Small Cap Fund	GLOBALSTAR INC		655	2,370	
TWO Sigma Small Cap Fund	GLU MOBILE INC		54	194	
TWO Sigma Small Cap Fund	GNC HOLDINGS INC-CL A		125,017	452,640	
TWO Sigma Small Cap Fund	GOGO INC		14,261	51,632	
TWO Sigma Small Cap Fund	GOLUB CAPITAL BDC INC		508	1,839	
TWO Sigma Small Cap Fund	GORMAN-RUPP CO		13,352	48,344	
TWO Sigma Small Cap Fund	GP STRATEGIES CORP		7,109	25,740	
TWO Sigma Small Cap Fund	GRAHAM CORP		11,624	42,085	
TWO Sigma Small Cap Fund	GRAMERCY PROPERTY TRUST		223,127	807,858	
TWO Sigma Small Cap Fund	GRAN TIERRA ENERGY INC		15,348	55,568	
TWO Sigma Small Cap Fund	GRAND CANYON EDUCATION INC		51,660	187,040	
TWO Sigma Small Cap Fund	GRANITE CONSTRUCTION INC		118,488	429,000	
TWO Sigma Small Cap Fund	GRAPHIC PACKAGING HOLDING CO		144,095	521,714	
TWO Sigma Small Cap Fund	GRAY TELEVISION INC		1,199	4,340	
TWO Sigma Small Cap Fund	GREAT AJAX CORP		5,498	19,905	
TWO Sigma Small Cap Fund	GREAT LAKES DREDGE & DOCK CO		17,052	61,740	
TWO Sigma Small Cap Fund	GREAT SOUTHERN BANCORP INC		16,604	60,115	
TWO Sigma Small Cap Fund	GREAT WESTERN BANCORP INC		49,361	178,719	
TWO Sigma Small Cap Fund	GREEN BANCORP INC		15,113	54,720	
TWO Sigma Small Cap Fund	GREEN BRICK PARTNERS INC		6,107	22,110	
TWO Sigma Small Cap Fund	GREEN DOT CORP-CLASS A		63,743	230,790	
TWO Sigma Small Cap Fund	GREEN PLAINS INC		176,917	640,550	
TWO Sigma Small Cap Fund	GREENBRIER COMPANIES INC		6,886	24,930	
TWO Sigma Small Cap Fund	GREENHILL & CO INC		16,066	58,170	
TWO Sigma Small Cap Fund	GREENLIGHT CAPITAL RE LTD-A		30,857	111,720	
TWO Sigma Small Cap Fund	GREIF INC-CL A		89,281	323,253	
TWO Sigma Small Cap Fund	GRIFFON CORP		46,313	167,680	
TWO Sigma Small Cap Fund	GSV CAPITAL CORP		1,945	7,042	
TWO Sigma Small Cap Fund	GTT COMMUNICATIONS INC		10,323	37,375	
TWO Sigma Small Cap Fund	GUARANTY BANCORP		31,816	115,192	
TWO Sigma Small Cap Fund	GUIDANCE SOFTWARE INC		3,715	13,452	
TWO Sigma Small Cap Fund	GULF ISLAND FABRICATION INC		4,930	17,850	
TWO Sigma Small Cap Fund	H&E EQUIPMENT SERVICES INC		109,166	395,250	
TWO Sigma Small Cap Fund	HABIT RESTAURANTS INC/THE-A		27,633	100,050	
TWO Sigma Small Cap Fund	HACKETT GROUP INC/THE		19,510	70,640	
TWO Sigma Small Cap Fund	HALLADOR ENERGY CO		4,017	14,544	
TWO Sigma Small Cap Fund	HALLIBURTON CO		553	2,001	
TWO Sigma Small Cap Fund	HALLMARK FINL SERVICES INC		4,497	16,282	
TWO Sigma Small Cap Fund	HALYARD HEALTH INC		69,453	251,464	
TWO Sigma Small Cap Fund	HANCOCK HOLDING CO		67,853	245,670	
TWO Sigma Small Cap Fund	HANDY & HARMAN LTD		1,411	5,110	
TWO Sigma Small Cap Fund	HANMI FINANCIAL CORPORATION		40,138	145,324	
TWO Sigma Small Cap Fund	HANNON ARMSTRONG SUSTAINABLE		49,827	180,405	
TWO Sigma Small Cap Fund	HANOVER INSURANCE GROUP INC/		62,841	227,525	
TWO Sigma Small Cap Fund	HARBORONE BANCORP INC		534	1,934	
TWO Sigma Small Cap Fund	HARDINGE INC		2,142	7,756	
TWO Sigma Small Cap Fund	HARMONIC INC		31,486	114,000	
TWO Sigma Small Cap Fund	HARRIS CORP		225,707	817,198	
TWO Sigma Small Cap Fund	HARSCO CORP		97,287	352,240	
TWO Sigma Small Cap Fund	HARTE-HANKS INC		4	14	
TWO Sigma Small Cap Fund	HARVARD BIOSCIENCE INC		3,370	12,200	
TWO Sigma Small Cap Fund	HAVERTY FURNITURE		30,765	111,390	
TWO Sigma Small Cap Fund	HAWAIIAN HOLDINGS INC		225,127	815,100	
TWO Sigma Small Cap Fund	HAWAIIAN TELCOM HOLDCO INC		3,470	12,563	
TWO Sigma Small Cap Fund	HAWKINS INC		14,901	53,950	
TWO Sigma Small Cap Fund	HAYNES INTERNATIONAL INC		32,059	116,073	
TWO Sigma Small Cap Fund	HCA HOLDINGS INC		307	1,110	
TWO Sigma Small Cap Fund	HCI GROUP INC		6,543	23,688	
TWO Sigma Small Cap Fund	HCP INC		112,457	407,164	
TWO Sigma Small Cap Fund	HD SUPPLY HOLDINGS INC		211	765	
TWO Sigma Small Cap Fund	HEADWATERS INC		214	776	
TWO Sigma Small Cap Fund	HEALTH EQUITY INC		64,910	235,016	
TWO Sigma Small Cap Fund	HEALTHSTREAM INC		10,378	37,575	
TWO Sigma Small Cap Fund	HEARTLAND EXPRESS INC		21,369	77,368	
TWO Sigma Small Cap Fund	HEARTLAND FINANCIAL USA INC		51,704	187,200	
TWO Sigma Small Cap Fund	HEICO CORP		213	772	
TWO Sigma Small Cap Fund	HEIDRICK & STRUGGLES INTL		22,632	81,941	
TWO Sigma Small Cap Fund	HELEN OF TROY LTD		137,126	496,482	
TWO Sigma Small Cap Fund	HELIX ENERGY SOLUTIONS GROUP		13,398	48,510	
TWO Sigma Small Cap Fund	HERC HOLDINGS INC		175,310	634,729	
TWO Sigma Small Cap Fund	HERCULES CAPITAL INC		51,832	187,663	
TWO Sigma Small Cap Fund	HERITAGE COMMERCE CORP		59,384	215,007	
TWO Sigma Small Cap Fund	HERITAGE FINANCIAL CORP		23,648	85,619	
TWO Sigma Small Cap Fund	HERITAGE INSURANCE HOLDINGS		23,804	86,185	
TWO Sigma Small Cap Fund	HERITAGE OAKS BANCORP		3,746	13,563	
TWO Sigma Small Cap Fund	HERITAGE-CRYSTAL CLEAN INC		8,668	31,384	
TWO Sigma Small Cap Fund	HERMAN MILLER INC		37,784	136,800	
TWO Sigma Small Cap Fund	HERSHA HOSPITALITY TRUST		10,653	38,571	
TWO Sigma Small Cap Fund	HERTZ GLOBAL HOLDINGS INC		254,865	922,768	
TWO Sigma Small Cap Fund	HESKA CORP		37,574	136,040	

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TWO Sigma Small Cap Fund	HESS CORP		465	1,682	
TWO Sigma Small Cap Fund	HEWLETT PACKARD ENTERPRIS		347,041	1,256,502	
TWO Sigma Small Cap Fund	HEXCEL CORP		156	566	
TWO Sigma Small Cap Fund	HFF INC-CLASS A		45,952	166,375	
TWO Sigma Small Cap Fund	HHGREGG INC		197	715	
TWO Sigma Small Cap Fund	HILL INTERNATIONAL INC		2,643	9,570	
TWO Sigma Small Cap Fund	HILLENBRAND INC		104,862	379,665	
TWO Sigma Small Cap Fund	HILLTOP HOLDINGS INC		29,194	105,701	
TWO Sigma Small Cap Fund	HNI CORP		88,036	318,744	
TWO Sigma Small Cap Fund	HOLLYFRONTIER CORP		543	1,966	
TWO Sigma Small Cap Fund	HOLLYSYS AUTOMATION TECHNOLO		506	1,832	
TWO Sigma Small Cap Fund	HOLOGIC INC		163,999	593,776	
TWO Sigma Small Cap Fund	HOME BANCSHARES INC		32,367	117,189	
TWO Sigma Small Cap Fund	HOMETRUST BANCSHARES INC		13,592	49,210	
TWO Sigma Small Cap Fund	HOOKER FURNITURE CORP		15,722	56,925	
TWO Sigma Small Cap Fund	HOPE BANCORP INC		127	460	
TWO Sigma Small Cap Fund	HORACE MANN EDUCATORS		33,099	119,840	
TWO Sigma Small Cap Fund	HORIZON GLOBAL CORP		60,984	220,800	
TWO Sigma Small Cap Fund	HORIZON TECHNOLOGY FINANCE C		10,470	37,908	
TWO Sigma Small Cap Fund	HOUGHTON MIFFLIN HARCOURT CO		61,433	222,425	
TWO Sigma Small Cap Fund	HOULIHAN LOKEY INC		13,752	49,792	
TWO Sigma Small Cap Fund	HOUSTON WIRE & CABLE CO		2,154	7,800	
TWO Sigma Small Cap Fund	HOVNANIAN ENTERPRISES-A		51,122	185,094	
TWO Sigma Small Cap Fund	HP INC		332	1,202	
TWO Sigma Small Cap Fund	HRG GROUP INC		160,731	581,944	
TWO Sigma Small Cap Fund	HSN INC		132,629	480,200	
TWO Sigma Small Cap Fund	HUB GROUP INC-CL A		37,459	135,625	
TWO Sigma Small Cap Fund	HUBSPOT INC		114,235	413,600	
TWO Sigma Small Cap Fund	HUDBAY MINERALS INC		5,510	19,950	
TWO Sigma Small Cap Fund	HUGOTON ROYALTY TRUST		7	26	
TWO Sigma Small Cap Fund	HUNTINGTON BANCSHARES INC		361	1,309	
TWO Sigma Small Cap Fund	HUNTSMAN CORP		537,305	1,945,378	
TWO Sigma Small Cap Fund	HURCO COMPANIES INC		2,605	9,434	
TWO Sigma Small Cap Fund	HURON CONSULTING GROUP INC		36,372	131,690	
TWO Sigma Small Cap Fund	HYATT HOTELS CORP - CL A		308,304	1,116,252	
TWO Sigma Small Cap Fund	HYSTER-YALE MATERIALS		24,658	89,278	
TWO Sigma Small Cap Fund	IAMGOLD CORP		8,507	30,800	
TWO Sigma Small Cap Fund	IBERIABANK CORP		18,505	67,000	
TWO Sigma Small Cap Fund	ICF INTERNATIONAL INC		57,935	209,760	
TWO Sigma Small Cap Fund	ICONIX BRAND GROUP INC		15,994	57,908	
TWO Sigma Small Cap Fund	IDT CORP-CLASS B		3,584	12,978	
TWO Sigma Small Cap Fund	IHS MARKIT LTD		597	2,160	
TWO Sigma Small Cap Fund	II-VI INC		74,456	269,578	
TWO Sigma Small Cap Fund	ILG INC		120	436	
TWO Sigma Small Cap Fund	IMMERSION CORPORATION		39,635	143,505	
TWO Sigma Small Cap Fund	IMMUNOGEN INC		8,133	29,445	
TWO Sigma Small Cap Fund	IMMUNOMEDICS INC		19,462	70,464	
TWO Sigma Small Cap Fund	IMPAC MORTGAGE HOLDINGS INC		387	1,402	
TWO Sigma Small Cap Fund	IMPAX LABORATORIES INC		199,814	723,450	
TWO Sigma Small Cap Fund	INC RESEARCH HOLDINGS INC-A		14,528	52,600	
TWO Sigma Small Cap Fund	INCYTE CORP		38,772	140,378	
TWO Sigma Small Cap Fund	INDEPENDENCE CONTRACT DRILLI		13,509	48,910	
TWO Sigma Small Cap Fund	INDEPENDENCE HOLDING CO		805	2,913	
TWO Sigma Small Cap Fund	INDEPENDENCE REALTY TRUST IN		170	615	
TWO Sigma Small Cap Fund	INDEPENDENT BANK CORP - MICH		13,785	49,910	
TWO Sigma Small Cap Fund	INDEPENDENT BANK GROUP INC		63,768	230,880	
TWO Sigma Small Cap Fund	INFINERA CORP		59,326	214,797	
TWO Sigma Small Cap Fund	INFINITY PHARMACEUTICALS INC		1,641	5,940	
TWO Sigma Small Cap Fund	INFORMATION SERVICES GROUP		1,106	4,004	
TWO Sigma Small Cap Fund	INFRAREIT INC		56,887	205,965	
TWO Sigma Small Cap Fund	INGEVITY CORP		110,610	400,478	
TWO Sigma Small Cap Fund	INGLES MARKETS INC-CLASS A		23,913	86,580	
TWO Sigma Small Cap Fund	INGREDION INC		3,417	12,371	
TWO Sigma Small Cap Fund	INNERWORKINGS INC		25,301	91,605	
TWO Sigma Small Cap Fund	INNOPHOS HOLDINGS INC		64,953	235,170	
TWO Sigma Small Cap Fund	INNOSPEC INC		1,892	6,850	
TWO Sigma Small Cap Fund	INOGEN INC		64,932	235,095	
TWO Sigma Small Cap Fund	INOVALON HOLDINGS INC - A		99,000	358,440	
TWO Sigma Small Cap Fund	INPHI CORP		46,831	169,556	
TWO Sigma Small Cap Fund	INSEEGO CORP		1,820	6,588	
TWO Sigma Small Cap Fund	INSIGHT ENTERPRISES INC		34,625	125,364	
TWO Sigma Small Cap Fund	INSMED INC		731	2,646	
TWO Sigma Small Cap Fund	INSTALLED BUILDING PRODUCTS		13,688	49,560	
TWO Sigma Small Cap Fund	INSTEEL INDUSTRIES INC		1,772	6,415	
TWO Sigma Small Cap Fund	INSULET CORP		74,931	271,296	
TWO Sigma Small Cap Fund	INSYS THERAPEUTICS INC		6,098	22,080	
TWO Sigma Small Cap Fund	INTEGER HOLDINGS CORP		23,589	85,405	
TWO Sigma Small Cap Fund	INTEGRA LIFESCIENCES HOLDING		149,278	540,477	
TWO Sigma Small Cap Fund	INTEGRATED DEVICE TECH INC		18,220	65,968	
TWO Sigma Small Cap Fund	INTEL CORP		70	254	
TWO Sigma Small Cap Fund	INTELIGENT INC		1,905	6,899	
TWO Sigma Small Cap Fund	INTER PARFUMS INC		25,327	91,700	
TWO Sigma Small Cap Fund	INTERCONTINENTAL EXCHANGE IN		390	1,411	
TWO Sigma Small Cap Fund	INTERFACE INC		63,208	228,851	
TWO Sigma Small Cap Fund	INTERNAP CORP		8,634	31,262	
TWO Sigma Small Cap Fund	INTERNATIONAL BANCSHARES CRP		51,836	187,680	
TWO Sigma Small Cap Fund	INTERSECT ENT INC		5,347	19,360	
TWO Sigma Small Cap Fund	INTL FCSTONE INC		12,031	43,560	
TWO Sigma Small Cap Fund	INTL SPEEDWAY CORP-CL A		47,771	172,960	

IBM
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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	INTRALINKS HOLDINGS INC		26,513	95,992	
TWO Sigma Small Cap Fund	INTRAWEST RESORTS HOLDINGS I		9,131	33,058	
TWO Sigma Small Cap Fund	INVACARE CORP		5,046	18,270	
TWO Sigma Small Cap Fund	INVENTURE FOODS INC		11,154	40,385	
TWO Sigma Small Cap Fund	INVESCO LTD		20,949	75,850	
TWO Sigma Small Cap Fund	INVESCO MORTGAGE CAPITAL		10,081	36,500	
TWO Sigma Small Cap Fund	INVESTMENT TECHNOLOGY GROUP		27,806	100,674	
TWO Sigma Small Cap Fund	INVESTORS BANCORP INC		41,407	149,921	
TWO Sigma Small Cap Fund	INVESTORS REAL ESTATE TRUST		38,992	141,174	
TWO Sigma Small Cap Fund	INVITAE CORP		4,386	15,880	
TWO Sigma Small Cap Fund	INVUITY INC		953	3,450	
TWO Sigma Small Cap Fund	ION GEOPHYSICAL CORP		33	120	
TWO Sigma Small Cap Fund	IRADIMED CORP		2,759	9,990	
TWO Sigma Small Cap Fund	IRIDIUM COMMUNICATIONS INC		18,295	66,240	
TWO Sigma Small Cap Fund	IRON MOUNTAIN INC		12,577	45,537	
TWO Sigma Small Cap Fund	IRONWOOD PHARMACEUTICALS INC		80,238	290,510	
TWO Sigma Small Cap Fund	ISLE OF CAPRI CASINOS		43,159	156,263	
TWO Sigma Small Cap Fund	ISTAR INC		64,573	233,793	
TWO Sigma Small Cap Fund	ITRON INC		86,795	314,250	
TWO Sigma Small Cap Fund	ITT INC		533	1,929	
TWO Sigma Small Cap Fund	IXIA		47,580	172,270	
TWO Sigma Small Cap Fund	IXYS CORPORATION		9,860	35,700	
TWO Sigma Small Cap Fund	J ALEXANDER'S HOLDINGS		5,047	18,275	
TWO Sigma Small Cap Fund	JABIL CIRCUIT INC		371,333	1,344,456	
TWO Sigma Small Cap Fund	JACK IN THE BOX INC		74,003	267,936	
TWO Sigma Small Cap Fund	JACOBS ENGINEERING GROUP INC		410,897	1,487,700	
TWO Sigma Small Cap Fund	JAKKS PACIFIC INC		7,397	26,780	
TWO Sigma Small Cap Fund	JAMBA INC		7,510	27,192	
TWO Sigma Small Cap Fund	JAMES RIVER GROUP HOLDINGS L		29,837	108,030	
TWO Sigma Small Cap Fund	JANUS CAPITAL GROUP INC		39,950	144,643	
TWO Sigma Small Cap Fund	JIVE SOFTWARE INC		9,972	36,105	
TWO Sigma Small Cap Fund	JOHN B. SANFILIPPO & SON INC		91,375	330,833	
TWO Sigma Small Cap Fund	JOHNSON CONTROLS INTERNATION		466	1,689	
TWO Sigma Small Cap Fund	JOHNSON OUTDOORS INC-A		9,132	33,062	
TWO Sigma Small Cap Fund	JONES LANG LASALLE INC		75,348	272,808	
TWO Sigma Small Cap Fund	JUST ENERGY GROUP INC		7,993	28,938	
TWO Sigma Small Cap Fund	K12 INC		28,911	104,676	
TWO Sigma Small Cap Fund	K2M GROUP HOLDINGS INC		69,741	252,504	
TWO Sigma Small Cap Fund	KADANT INC		31,778	115,056	
TWO Sigma Small Cap Fund	KALVISTA PHARMACEUTICALS INC		27	99	
TWO Sigma Small Cap Fund	KAMAN CORP		17,569	63,609	
TWO Sigma Small Cap Fund	KAPSTONE PAPER AND PACKAGING		9,744	35,280	
TWO Sigma Small Cap Fund	KARYOPHARM THERAPEUTICS INC		1,558	5,640	
TWO Sigma Small Cap Fund	KAYNE ANDERSON ENERGY DEVELO		6,976	25,259	
TWO Sigma Small Cap Fund	KCAP FINANCIAL INC		7,035	25,472	
TWO Sigma Small Cap Fund	KCG HOLDINGS INC-CL A		14,272	51,675	
TWO Sigma Small Cap Fund	KEARNY FINANCIAL CORP/MD		26,053	94,326	
TWO Sigma Small Cap Fund	KELLY SERVICES INC -A		26,588	96,264	
TWO Sigma Small Cap Fund	KEMET CORP		50,784	183,870	
TWO Sigma Small Cap Fund	KEMPER CORP		20,800	75,310	
TWO Sigma Small Cap Fund	KENNAMETAL INC		160,590	581,436	
TWO Sigma Small Cap Fund	KEYCORP		323	1,169	
TWO Sigma Small Cap Fund	KEYW HOLDING CORP/THE		19,864	71,919	
TWO Sigma Small Cap Fund	KFORCE INC		11,484	41,580	
TWO Sigma Small Cap Fund	KIMBALL ELECTRONICS INC		24,128	87,360	
TWO Sigma Small Cap Fund	KIMBALL INTERNATIONAL-B		34,435	124,676	
TWO Sigma Small Cap Fund	KINDER MORGAN INC		549	1,988	
TWO Sigma Small Cap Fund	KINDRED HEALTHCARE INC		6,775	24,531	
TWO Sigma Small Cap Fund	KINROSS GOLD CORP		25,941	93,922	
TWO Sigma Small Cap Fund	KIRKLAND'S INC		19,680	71,253	
TWO Sigma Small Cap Fund	KITE REALTY GROUP TRUST		138,132	500,124	
TWO Sigma Small Cap Fund	KLA-TENCOR CORP		158,637	574,364	
TWO Sigma Small Cap Fund	KLX INC		204,331	739,804	
TWO Sigma Small Cap Fund	KMG CHEMICALS INC		17,186	62,224	
TWO Sigma Small Cap Fund	KNIGHT TRANSPORTATION INC		90,370	327,195	
TWO Sigma Small Cap Fund	KNOLL INC		111,855	404,985	
TWO Sigma Small Cap Fund	KNOWLES CORP		90,325	327,031	
TWO Sigma Small Cap Fund	KONA GRILL INC		6,239	22,590	
TWO Sigma Small Cap Fund	KOPIN CORP		4,393	15,904	
TWO Sigma Small Cap Fund	KOPPERS HOLDINGS INC		48,975	177,320	
TWO Sigma Small Cap Fund	KRATON CORP		18,092	65,504	
TWO Sigma Small Cap Fund	KRATOS DEFENSE & SECURITY		54,377	196,877	
TWO Sigma Small Cap Fund	KRONOS WORLDWIDE INC		21,436	77,611	
TWO Sigma Small Cap Fund	KULICKE & SOFFA INDUSTRIES		48,899	177,045	
TWO Sigma Small Cap Fund	KVH INDUSTRIES INC		4,889	17,700	
TWO Sigma Small Cap Fund	L BRANDS INC		364	1,317	
TWO Sigma Small Cap Fund	LA QUINTA HOLDINGS INC		79,280	287,042	
TWO Sigma Small Cap Fund	LADDER CAPITAL CORP-REIT		34,362	124,413	
TWO Sigma Small Cap Fund	LADENBURG THALMANN FINANCIAL		6,335	22,936	
TWO Sigma Small Cap Fund	LAKELAND BANCORP INC		27,904	101,030	
TWO Sigma Small Cap Fund	LAKELAND FINANCIAL CORP		34,664	125,504	
TWO Sigma Small Cap Fund	LAM RESEARCH CORP		1,460	5,287	
TWO Sigma Small Cap Fund	LANCASTER COLONY CORP		1,953	7,070	
TWO Sigma Small Cap Fund	LANDAUER INC		22,585	81,770	
TWO Sigma Small Cap Fund	LANDEC CORP		10,672	38,640	
TWO Sigma Small Cap Fund	LAS VEGAS SANDS CORP		179,970	651,602	
TWO Sigma Small Cap Fund	LASALLE HOTEL PROPERTIES		244	884	
TWO Sigma Small Cap Fund	LATTICE SEMICONDUCTOR CORP		10,571	38,272	
TWO Sigma Small Cap Fund	LAWSON PRODUCTS INC		657	2,380	

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TWO Sigma Small Cap Fund	LAYNE CHRISTENSEN COMPANY		16,512	59,785	
TWO Sigma Small Cap Fund	LAZARD LTD-CL A		2,270	8,218	
TWO Sigma Small Cap Fund	LA-Z-BOY INC		38,334	138,794	
TWO Sigma Small Cap Fund	LCI INDUSTRIES		1,250	4,526	
TWO Sigma Small Cap Fund	LEGACYTEXAS FINANCIAL GROUP		71,358	258,360	
TWO Sigma Small Cap Fund	LEIDOS HOLDINGS INC		353	1,279	
TWO Sigma Small Cap Fund	LEMAITRE VASCULAR INC		44,092	159,642	
TWO Sigma Small Cap Fund	LEUCADIA NATIONAL CORP		321	1,163	
TWO Sigma Small Cap Fund	LEVEL 3 COMMUNICATIONS INC		1,074	3,889	
TWO Sigma Small Cap Fund	LEXICON PHARMACEUTICALS INC		6,272	22,709	
TWO Sigma Small Cap Fund	LEXINGTON REALTY TRUST		74,573	270,000	
TWO Sigma Small Cap Fund	LHC GROUP INC		60,586	219,360	
TWO Sigma Small Cap Fund	LIBBEY INC		18,274	66,164	
TWO Sigma Small Cap Fund	LIBERTY EXPEDIA HOLD-A		11	40	
TWO Sigma Small Cap Fund	LIBERTY GLOBAL PLC-A		88,882	321,807	
TWO Sigma Small Cap Fund	LIBERTY INTERACTIVE CORP Q-A		18,470	66,873	
TWO Sigma Small Cap Fund	LIBERTY MEDIA CORP-BRAVES C		2,275	8,236	
TWO Sigma Small Cap Fund	LIBERTY TAX INC		7,032	25,460	
TWO Sigma Small Cap Fund	LIBERTY TRIPADVISOR HDG-A		73,990	267,890	
TWO Sigma Small Cap Fund	LIBERTY VENTURES - SER A		20	74	
TWO Sigma Small Cap Fund	LIFE STORAGE INC		777	2,814	
TWO Sigma Small Cap Fund	LIFEPOINT HEALTH INC		21,963	79,520	
TWO Sigma Small Cap Fund	LIFETIME BRANDS INC		2,941	10,650	
TWO Sigma Small Cap Fund	LIFEVANTAGE CORP		2,926	10,595	
TWO Sigma Small Cap Fund	LIFEWAY FOODS INC		954	3,453	
TWO Sigma Small Cap Fund	LIGAND PHARMACEUTICALS		449	1,626	
TWO Sigma Small Cap Fund	LIMELIGHT NETWORKS INC		3,828	13,860	
TWO Sigma Small Cap Fund	LIMONEIRA CO		10,694	38,718	
TWO Sigma Small Cap Fund	LINDBLAD EXPEDITIONS HOLDING		261	945	
TWO Sigma Small Cap Fund	LINDSAY CORP		6,182	22,383	
TWO Sigma Small Cap Fund	LION BIOTECHNOLOGIES INC		2,879	10,425	
TWO Sigma Small Cap Fund	LIONBRIDGE TECHNOLOGIES INC		8,650	31,320	
TWO Sigma Small Cap Fund	LIQUIDITY SERVICES INC		15,619	56,550	
TWO Sigma Small Cap Fund	LITTELFUSE INC		3,144	11,383	
TWO Sigma Small Cap Fund	LIVANOVA PLC		1,217	4,407	
TWO Sigma Small Cap Fund	LIVE NATION ENTERTAINMENT IN		111,672	404,320	
TWO Sigma Small Cap Fund	LIVE OAK BANCSHARES INC		15,329	55,500	
TWO Sigma Small Cap Fund	LIVEPERSON INC		18,976	68,705	
TWO Sigma Small Cap Fund	LOCKHEED MARTIN CORP		255,420	924,778	
TWO Sigma Small Cap Fund	LOGITECH INTERNATIONAL-REG		2,737	9,908	
TWO Sigma Small Cap Fund	LOGMEIN INC		29,333	106,205	
TWO Sigma Small Cap Fund	LORAL SPACE & COMMUNICATIONS		3,401	12,315	
TWO Sigma Small Cap Fund	LOUISIANA-PACIFIC CORP		204,430	740,163	
TWO Sigma Small Cap Fund	LOWE'S COS INC		1,277	4,623	
TWO Sigma Small Cap Fund	LPL FINANCIAL HOLDINGS INC		170,185	616,175	
TWO Sigma Small Cap Fund	LSI INDUSTRIES INC		9,147	33,116	
TWO Sigma Small Cap Fund	LTC PROPERTIES INC		75,259	272,484	
TWO Sigma Small Cap Fund	LUMINEX CORP		14,527	52,598	
TWO Sigma Small Cap Fund	LUMOS NETWORKS CORP		18,551	67,166	
TWO Sigma Small Cap Fund	LUXOFT HOLDING INC		1,537	5,564	
TWO Sigma Small Cap Fund	LYDALL INC		59,790	216,475	
TWO Sigma Small Cap Fund	M & T BANK CORP		432	1,564	
TWO Sigma Small Cap Fund	MACATAWA BANK CORP		6,613	23,943	
TWO Sigma Small Cap Fund	MACK-CALI REALTY CORP		24,046	87,060	
TWO Sigma Small Cap Fund	MACOM TECHNOLOGY SOLUTIONS H		7,669	27,768	
TWO Sigma Small Cap Fund	MACROGENICS INC		12,420	44,968	
TWO Sigma Small Cap Fund	MADRIGAL PHARMACEUTICALS INC		37	134	
TWO Sigma Small Cap Fund	MAGELLAN HEALTH INC		135,094	489,125	
TWO Sigma Small Cap Fund	MAGNACHIP SEMICONDUCT		15,754	57,040	
TWO Sigma Small Cap Fund	MAIDEN HOLDINGS LTD		96,392	349,000	
TWO Sigma Small Cap Fund	MAINSOURCE FINANCIAL GROUP I		5,701	20,640	
TWO Sigma Small Cap Fund	MALIBU BOATS INC - A		23,714	85,860	
TWO Sigma Small Cap Fund	MALLINCKRODT PLC		922	3,338	
TWO Sigma Small Cap Fund	MANITOWOC COMPANY INC		5,781	20,930	
TWO Sigma Small Cap Fund	MANNING & NAPIER INC		7,716	27,935	
TWO Sigma Small Cap Fund	MANPOWERGROUP INC		466	1,689	
TWO Sigma Small Cap Fund	MARATHON PETROLEUM CORP		195	705	
TWO Sigma Small Cap Fund	MARCHEX INC-CLASS B		2,635	9,540	
TWO Sigma Small Cap Fund	MARCUS & MILLICHAP INC		20,664	74,816	
TWO Sigma Small Cap Fund	MARCUS CORPORATION		19,140	69,300	
TWO Sigma Small Cap Fund	MARIN SOFTWARE INC		1,752	6,345	
TWO Sigma Small Cap Fund	MARINE PRODUCTS CORP		847	3,065	
TWO Sigma Small Cap Fund	MARINEMAX INC		224	813	
TWO Sigma Small Cap Fund	MARKEL CORP		2,498	9,045	
TWO Sigma Small Cap Fund	MARLIN BUSINESS SERVICES INC		3,463	12,540	
TWO Sigma Small Cap Fund	MARRIOTT INTERNATIONAL -CL A		457	1,654	
TWO Sigma Small Cap Fund	MARTEN TRANSPORT LTD		28,637	103,685	
TWO Sigma Small Cap Fund	MARTIN MARIETTA MATERIALS		3,365	12,184	
TWO Sigma Small Cap Fund	MARVELL TECHNOLOGY GROUP LTD		265,094	959,804	
TWO Sigma Small Cap Fund	MASIMO CORP		61,432	222,420	
TWO Sigma Small Cap Fund	MASONITE INTERNATIONAL CORP		103,590	375,060	
TWO Sigma Small Cap Fund	MASTEC INC		101,419	367,200	
TWO Sigma Small Cap Fund	MATERION CORP		16,340	59,162	
TWO Sigma Small Cap Fund	MATRIX SERVICE CO		20,063	72,640	
TWO Sigma Small Cap Fund	MATSON INC		43,008	155,716	
TWO Sigma Small Cap Fund	MATTHEWS INTL CORP-CLASS A		934	3,381	
TWO Sigma Small Cap Fund	MAXIM INTEGRATED PRODUCTS		595,496	2,156,063	
TWO Sigma Small Cap Fund	MAXIMUS INC		112,701	408,048	
TWO Sigma Small Cap Fund	MAXILINEAR INC-CLASS A		235	850	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	MAXWELL TECHNOLOGIES INC		9,050	32,768	
TWO Sigma Small Cap Fund	MB FINANCIAL INC		978	3,542	
TWO Sigma Small Cap Fund	MBIA INC		70,336	254,660	
TWO Sigma Small Cap Fund	MCBC HOLDINGS INC		31,813	115,182	
TWO Sigma Small Cap Fund	MCDERMOTT INTL INC		154,714	560,162	
TWO Sigma Small Cap Fund	MCGRATH RENTCORP		42,214	152,841	
TWO Sigma Small Cap Fund	MDC PARTNERS INC-A		66,755	241,695	
TWO Sigma Small Cap Fund	MEAD JOHNSON NUTRITION CO		27,361	99,064	
TWO Sigma Small Cap Fund	MEDALLION FINANCIAL CORP		918	3,322	
TWO Sigma Small Cap Fund	MEDLEY CAPITAL CORP		42,729	154,706	
TWO Sigma Small Cap Fund	MEDTRONIC PLC		714,146	2,585,649	
TWO Sigma Small Cap Fund	MERCANTILE BANK CORP		12,495	45,240	
TWO Sigma Small Cap Fund	MERCER INTERNATIONAL INC		13,531	48,990	
TWO Sigma Small Cap Fund	MERCHANTS BANCSHARES INC		2,994	10,840	
TWO Sigma Small Cap Fund	MERCURY GENERAL CORP		3,326	12,042	
TWO Sigma Small Cap Fund	MERCURY SYSTEMS INC		21,701	78,572	
TWO Sigma Small Cap Fund	MERIDIAN BANCORP INC		34,307	124,211	
TWO Sigma Small Cap Fund	MERIDIAN BIOSCIENCE INC		35,198	127,440	
TWO Sigma Small Cap Fund	MERIT MEDICAL SYSTEMS INC		51,966	188,150	
TWO Sigma Small Cap Fund	MERITOR INC		69,293	250,884	
TWO Sigma Small Cap Fund	MERRIMACK PHARMACEUTICALS IN		10,142	36,720	
TWO Sigma Small Cap Fund	MESA LABORATORIES INC		3,390	12,275	
TWO Sigma Small Cap Fund	META FINANCIAL GROUP INC		68,209	246,960	
TWO Sigma Small Cap Fund	METHODE ELECTRONICS INC		45,683	165,400	
TWO Sigma Small Cap Fund	MFA FINANCIAL INC		3,793	13,734	
TWO Sigma Small Cap Fund	MGE ENERGY INC		902	3,265	
TWO Sigma Small Cap Fund	MGM GROWTH PROPERTIES LLC-A		258,649	936,470	
TWO Sigma Small Cap Fund	MICRON TECHNOLOGY INC		719,846	2,606,288	
TWO Sigma Small Cap Fund	MICROSEMI CORP		89	324	
TWO Sigma Small Cap Fund	MICROSTRATEGY INC-CL A		76,330	276,360	
TWO Sigma Small Cap Fund	MICROVISION INC		5	16	
TWO Sigma Small Cap Fund	MID-AMERICA APARTMENT COMM		1,352	4,896	
TWO Sigma Small Cap Fund	MIDDLESEX WATER CO		26,092	94,468	
TWO Sigma Small Cap Fund	MIDLAND STATES BANCORP INC		11,991	43,416	
TWO Sigma Small Cap Fund	MIDWESTONE FINANCIAL GROUP I		4,154	15,040	
TWO Sigma Small Cap Fund	MILACRON HOLDINGS CORP		9,262	33,534	
TWO Sigma Small Cap Fund	MILLER INDUSTRIES INC/TENN		8,036	29,095	
TWO Sigma Small Cap Fund	MIMECAST LTD		18,787	68,020	
TWO Sigma Small Cap Fund	MINDBODY INC - CLASS A		46,475	168,270	
TWO Sigma Small Cap Fund	MINERALS TECHNOLOGIES INC		46,854	169,641	
TWO Sigma Small Cap Fund	MISTRAS GROUP INC		22,697	82,176	
TWO Sigma Small Cap Fund	MITEL NETWORKS CORP		8	27	
TWO Sigma Small Cap Fund	MOBILE MINI INC		55,143	199,650	
TWO Sigma Small Cap Fund	MOBILEIRON INC		1,761	6,375	
TWO Sigma Small Cap Fund	MODEL N INC		8,066	29,205	
TWO Sigma Small Cap Fund	MODINE MANUFACTURING CO		37,038	134,100	
TWO Sigma Small Cap Fund	MODUSLINK GLOBAL SOLUTIONS I		524	1,898	
TWO Sigma Small Cap Fund	MOELIS & CO - CLASS A		24,344	88,140	
TWO Sigma Small Cap Fund	MOLINA HEALTHCARE INC		92,166	333,699	
TWO Sigma Small Cap Fund	MOMENTA PHARMACEUTICALS INC		36,579	132,440	
TWO Sigma Small Cap Fund	MONARCH CASINO & RESORT INC		14,953	54,138	
TWO Sigma Small Cap Fund	MONEYGRAM INTERNATIONAL INC		33,026	119,576	
TWO Sigma Small Cap Fund	MONMOUTH REAL ESTATE INV COR		51,773	187,452	
TWO Sigma Small Cap Fund	MONOGRAM RESIDENTIAL TRUST I		33,172	120,102	
TWO Sigma Small Cap Fund	MONOTYPE IMAGING HOLDINGS IN		53,728	194,530	
TWO Sigma Small Cap Fund	MONRO MUFFLER BRAKE INC		22,908	82,940	
TWO Sigma Small Cap Fund	MONROE CAPITAL CORP		13,593	49,216	
TWO Sigma Small Cap Fund	MOOG INC-CLASS A		59,229	214,445	
TWO Sigma Small Cap Fund	MOTORCAR PARTS OF AMERICA IN		15,614	56,532	
TWO Sigma Small Cap Fund	MOTOROLA SOLUTIONS INC		664	2,404	
TWO Sigma Small Cap Fund	MOVADO GROUP INC		7,941	28,750	
TWO Sigma Small Cap Fund	MRC GLOBAL INC		107,998	391,018	
TWO Sigma Small Cap Fund	MSA SAFETY INC		40,212	145,593	
TWO Sigma Small Cap Fund	MTGE INVESTMENT CORP		68,513	248,060	
TWO Sigma Small Cap Fund	MTS SYSTEMS CORP		65,773	238,140	
TWO Sigma Small Cap Fund	MUELLER WATER PRODUCTS INC-A		77,935	282,172	
TWO Sigma Small Cap Fund	MULTI PACKAGING SOLUTIONS IN		394	1,426	
TWO Sigma Small Cap Fund	MYERS INDUSTRIES INC		13,373	48,420	
TWO Sigma Small Cap Fund	MYR GROUP INC/DELAWARE		48,913	177,096	
TWO Sigma Small Cap Fund	MYRIAD GENETICS INC		215,476	780,156	
TWO Sigma Small Cap Fund	N B T BANCORP INC		2,175	7,873	
TWO Sigma Small Cap Fund	NACCO INDUSTRIES-CL A		12,505	45,275	
TWO Sigma Small Cap Fund	NANOMETRICS INC		47,301	171,260	
TWO Sigma Small Cap Fund	NANOSTRING TECHNOLOGIES INC		29,564	107,040	
TWO Sigma Small Cap Fund	NATERA INC		1,941	7,026	
TWO Sigma Small Cap Fund	NATIONAL BANKSHARES INC/VA		1,200	4,345	
TWO Sigma Small Cap Fund	NATIONAL BEVERAGE CORP		1,227	4,444	
TWO Sigma Small Cap Fund	NATIONAL CINEMEDIA INC		49,634	179,706	
TWO Sigma Small Cap Fund	NATIONAL COMMERCE CORP		12,313	44,580	
TWO Sigma Small Cap Fund	NATIONAL GENERAL HLDGS		10,353	37,485	
TWO Sigma Small Cap Fund	NATIONAL HEALTHCARE CORP		10,466	37,895	
TWO Sigma Small Cap Fund	NATIONAL PRESTO INDS INC		20,571	74,480	
TWO Sigma Small Cap Fund	NATIONAL STORAGE AFFILIATES		37,183	134,627	
TWO Sigma Small Cap Fund	NATURAL GAS SERVICES GROUP		12,432	45,010	
TWO Sigma Small Cap Fund	NATURAL GROCERS BY VITAMIN C		17,077	61,828	
TWO Sigma Small Cap Fund	NATURES SUNSHINE PRODS INC		2,486	9,000	
TWO Sigma Small Cap Fund	NAVIGANT CONSULTING INC		73,754	267,036	
TWO Sigma Small Cap Fund	NAVIGATORS GROUP INC		35,774	129,525	
TWO Sigma Small Cap Fund	NAVIOS MARITIME ACQUISITION		5,306	19,210	

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TWO Sigma Small Cap Fund	NAVIOS MARITIME PARTNERS LP		3,089	11,183	
TWO Sigma Small Cap Fund	NAVISTAR INTERNATIONAL CORP		24,260	87,836	
TWO Sigma Small Cap Fund	NCI BUILDING SYSTEMS INC		19,451	70,425	
TWO Sigma Small Cap Fund	NCR CORPORATION		4,481	16,224	
TWO Sigma Small Cap Fund	NEFF CORP-CLASS A		1,558	5,640	
TWO Sigma Small Cap Fund	NEKTAR THERAPEUTICS		134,540	487,119	
TWO Sigma Small Cap Fund	NEOGEN CORP		10,937	39,600	
TWO Sigma Small Cap Fund	NEOGENOMICS INC		3,077	11,141	
TWO Sigma Small Cap Fund	NET 1 UEPS TECHNOLOGIES INC		26,317	95,284	
TWO Sigma Small Cap Fund	NEVSUN RESOURCES LTD		9,729	35,226	
TWO Sigma Small Cap Fund	NEW GOLD INC		23,684	85,750	
TWO Sigma Small Cap Fund	NEW RELIC INC		81,146	293,800	
TWO Sigma Small Cap Fund	NEW YORK MORTGAGE TRUST INC		42,656	154,440	
TWO Sigma Small Cap Fund	NEW YORK TIMES CO-A		21,306	77,140	
TWO Sigma Small Cap Fund	NEWELL BRANDS INC		1,036	3,751	
TWO Sigma Small Cap Fund	NEWFIELD EXPLORATION CO		11,499	41,634	
TWO Sigma Small Cap Fund	NEWLINK GENETICS CORP		1,420	5,140	
TWO Sigma Small Cap Fund	NEWPARK RESOURCES INC		14,915	54,000	
TWO Sigma Small Cap Fund	NEWS CORP - CLASS A		24,056	87,096	
TWO Sigma Small Cap Fund	NEWSTAR FINANCIAL INC		17,884	64,750	
TWO Sigma Small Cap Fund	NEWTEK BUSINESS SERVICES COR		3,952	14,310	
TWO Sigma Small Cap Fund	NIC INC		62,050	224,660	
TWO Sigma Small Cap Fund	NIELSEN HOLDINGS PLC		142,513	515,985	
TWO Sigma Small Cap Fund	NIMBLE STORAGE INC		20,125	72,864	
TWO Sigma Small Cap Fund	NL INDUSTRIES		900	3,260	
TWO Sigma Small Cap Fund	NMI HOLDINGS INC-CLASS A		64,419	233,235	
TWO Sigma Small Cap Fund	NN INC		526	1,905	
TWO Sigma Small Cap Fund	NOBLE CORP PLC		74,723	270,544	
TWO Sigma Small Cap Fund	NOBLE ENERGY INC		179	647	
TWO Sigma Small Cap Fund	NOODLES & CO		6,455	23,370	
TWO Sigma Small Cap Fund	NORTH ATLANTIC DRILLING LTD		42	152	
TWO Sigma Small Cap Fund	NORTHFIELD BANCORP INC		7,032	25,462	
TWO Sigma Small Cap Fund	NORTHTRIM BANCORP INC		5,237	18,960	
TWO Sigma Small Cap Fund	NORTHSTAR REALTY EUROPE CORP		41,314	149,583	
TWO Sigma Small Cap Fund	NORTHWEST BANCSHARES INC		67,725	245,208	
TWO Sigma Small Cap Fund	NORTHWEST NATURAL GAS CO		57,808	209,300	
TWO Sigma Small Cap Fund	NORTHWEST PIPE CO		16,171	58,548	
TWO Sigma Small Cap Fund	NORTHWESTERN CORP		1,052	3,810	
TWO Sigma Small Cap Fund	NOVANTA INC		21,460	77,700	
TWO Sigma Small Cap Fund	NOVAVAX INC		32,295	116,928	
TWO Sigma Small Cap Fund	NOVELION THERAPEUTICS INC		428	1,549	
TWO Sigma Small Cap Fund	NOW INC		65,583	237,452	
TWO Sigma Small Cap Fund	NRG ENERGY INC		72,139	261,187	
TWO Sigma Small Cap Fund	NRG YIELD INC-CLASS C		2,182	7,900	
TWO Sigma Small Cap Fund	NUANCE COMMUNICATIONS INC		171,609	621,330	
TWO Sigma Small Cap Fund	NUTRACEUTICAL INTL CORP		9,653	34,950	
TWO Sigma Small Cap Fund	NUTRISYSTEM INC		56,464	204,435	
TWO Sigma Small Cap Fund	NV5 GLOBAL INC		6,457	23,380	
TWO Sigma Small Cap Fund	NVE CORP		6,905	25,001	
TWO Sigma Small Cap Fund	NXP SEMICONDUCTORS NV		2,490	9,017	
TWO Sigma Small Cap Fund	NXSTAGE MEDICAL INC		92,660	335,488	
TWO Sigma Small Cap Fund	OCEANFIRST FINANCIAL CORP		45,701	165,465	
TWO Sigma Small Cap Fund	OCH-ZIFF CAPITAL MANAGEMEN-A		183	662	
TWO Sigma Small Cap Fund	OCLARO INC		242	877	
TWO Sigma Small Cap Fund	OCWEN FINANCIAL CORP		51,211	185,416	
TWO Sigma Small Cap Fund	OFFICE DEPOT INC		147,027	532,329	
TWO Sigma Small Cap Fund	OFB BANCORP		50,293	182,090	
TWO Sigma Small Cap Fund	OGE ENERGY CORP		841	3,044	
TWO Sigma Small Cap Fund	OIL-DRI CORP OF AMERICA		2,111	7,642	
TWO Sigma Small Cap Fund	OLD DOMINION FREIGHT LINE		1,777	6,434	
TWO Sigma Small Cap Fund	OLD LINE BANCSHARES INC		2,649	9,592	
TWO Sigma Small Cap Fund	OLD NATIONAL BANCORP		7,645	27,679	
TWO Sigma Small Cap Fund	OLD REPUBLIC INTL CORP		79	285	
TWO Sigma Small Cap Fund	OLD SECOND BANCORP INC		4,883	17,680	
TWO Sigma Small Cap Fund	OLYMPIC STEEL INC		4,015	14,538	
TWO Sigma Small Cap Fund	OM ASSET MANAGEMENT PLC		36,044	130,500	
TWO Sigma Small Cap Fund	OMEGA HEALTHCARE INVESTORS		699	2,532	
TWO Sigma Small Cap Fund	OMEGA PROTEIN CORP		33,210	120,240	
TWO Sigma Small Cap Fund	OMNOVA SOLUTIONS INC		20,162	73,000	
TWO Sigma Small Cap Fund	ON ASSIGNMENT INC		19,515	70,656	
TWO Sigma Small Cap Fund	ON DECK CAPITAL INC		1,407	5,093	
TWO Sigma Small Cap Fund	ONCOGENEX PHARMACEUTICAL INC		10	36	
TWO Sigma Small Cap Fund	ONCOMED PHARMACEUTICALS INC		1,278	4,626	
TWO Sigma Small Cap Fund	ONE LIBERTY PROPERTIES INC		13,182	47,728	
TWO Sigma Small Cap Fund	ONEBEACON INSURANCE GROUP-A		13,299	48,150	
TWO Sigma Small Cap Fund	ONEMAIN HOLDINGS INC		76,437	276,750	
TWO Sigma Small Cap Fund	OOMA INC		249	900	
TWO Sigma Small Cap Fund	OPKO HEALTH INC		3	9	
TWO Sigma Small Cap Fund	OPPENHEIMER HOLDINGS-CL A		11,816	42,780	
TWO Sigma Small Cap Fund	OPUS BANK		29,049	105,175	
TWO Sigma Small Cap Fund	ORASURE TECHNOLOGIES INC		48,743	176,478	
TWO Sigma Small Cap Fund	ORBCOMM INC		16,674	60,371	
TWO Sigma Small Cap Fund	ORBITAL ATK INC		1,866	6,755	
TWO Sigma Small Cap Fund	ORBOTECH LTD		8,305	30,069	
TWO Sigma Small Cap Fund	ORION ENGINEERED CARBONS SA		18,222	65,975	
TWO Sigma Small Cap Fund	ORION GROUP HOLDINGS INC		22,810	82,585	
TWO Sigma Small Cap Fund	ORITANI FINANCIAL CORP		34,179	123,750	
TWO Sigma Small Cap Fund	ORTHOFIX INTERNATIONAL NV		77,944	282,204	
TWO Sigma Small Cap Fund	OSHKOSH CORP		437,203	1,582,945	

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	OSIRIS THERAPEUTICS INC		814	2,946	
TWO Sigma Small Cap Fund	OTTER TAIL CORP		12,396	44,880	
TWO Sigma Small Cap Fund	OUTFRONT MEDIA INC		39,840	144,246	
TWO Sigma Small Cap Fund	OVASCIENCE INC		3,338	12,087	
TWO Sigma Small Cap Fund	OVERSEAS SHIPHOLDING GROUP-A		22,003	79,664	
TWO Sigma Small Cap Fund	OVERSTOCK.COM INC		9,184	33,250	
TWO Sigma Small Cap Fund	OWENS & MINOR INC		23,393	84,696	
TWO Sigma Small Cap Fund	OWENS CORNING		59,384	215,005	
TWO Sigma Small Cap Fund	OXFORD IMMUNOTEC GLOBAL PLC		3,716	13,455	
TWO Sigma Small Cap Fund	P.A.M. TRANSPORTATION SVCS		2,296	8,314	
TWO Sigma Small Cap Fund	PACIFIC CONTINENTAL CORP		20,519	74,290	
TWO Sigma Small Cap Fund	PACIFIC ETHANOL INC		3	10	
TWO Sigma Small Cap Fund	PACIFIC PREMIER BANCORP INC		29,291	106,050	
TWO Sigma Small Cap Fund	PACIRA PHARMACEUTICALS INC		42,821	155,040	
TWO Sigma Small Cap Fund	PACKAGING CORP OF AMERICA		773	2,799	
TWO Sigma Small Cap Fund	PACWEST BANCORP		211	762	
TWO Sigma Small Cap Fund	PAN AMERICAN SILVER CORP		6,243	22,605	
TWO Sigma Small Cap Fund	PANHANDLE OIL AND GAS INC-A		5,204	18,840	
TWO Sigma Small Cap Fund	PAREXEL INTERNATIONAL CORP		18	66	
TWO Sigma Small Cap Fund	PARK ELECTROCHEMICAL CORP		9,272	33,570	
TWO Sigma Small Cap Fund	PARK NATIONAL CORP		16,525	59,830	
TWO Sigma Small Cap Fund	PARK STERLING CORP		21,457	77,688	
TWO Sigma Small Cap Fund	PARKER DRILLING CO		18,743	67,860	
TWO Sigma Small Cap Fund	PARK-OHIO HOLDINGS CORP		14,119	51,120	
TWO Sigma Small Cap Fund	PATRICK INDUSTRIES INC		1,054	3,815	
TWO Sigma Small Cap Fund	PATTERN ENERGY GROUP INC		29,896	108,243	
TWO Sigma Small Cap Fund	PAYLOCITY HOLDING CORP		72,940	264,088	
TWO Sigma Small Cap Fund	PC CONNECTION INC		12,413	44,944	
TWO Sigma Small Cap Fund	PDF SOLUTIONS INC		21,799	78,925	
TWO Sigma Small Cap Fund	PDL BIOPHARMA INC		24,500	88,705	
TWO Sigma Small Cap Fund	PEAPACK GLADSTONE FINL CORP		9,331	33,783	
TWO Sigma Small Cap Fund	PENGROWTH ENERGY CORP		235	852	
TWO Sigma Small Cap Fund	PENN NATIONAL GAMING INC		11,438	41,411	
TWO Sigma Small Cap Fund	PENN REAL ESTATE INVEST TST		45,559	164,952	
TWO Sigma Small Cap Fund	PENN WEST PETROLEUM LTD		9,337	33,807	
TWO Sigma Small Cap Fund	PENNANTPARK FLOATING RATE CA		1,949	7,055	
TWO Sigma Small Cap Fund	PENNANTPARK INVESTMENT CORP		34,485	124,858	
TWO Sigma Small Cap Fund	PENNS WOODS BANCORP INC		1,395	5,050	
TWO Sigma Small Cap Fund	PENNYMAC FINANCIAL SERVICE-A		10,577	38,295	
TWO Sigma Small Cap Fund	PENNYMAC MORTGAGE INVESTMENT		6,330	22,918	
TWO Sigma Small Cap Fund	PEOPLES BANCORP INC		11,655	42,198	
TWO Sigma Small Cap Fund	PEOPLE'S UNITED FINANCIAL		91	329	
TWO Sigma Small Cap Fund	PEOPLE'S UTAH BANCORP		13,349	48,330	
TWO Sigma Small Cap Fund	PERFICIENT INC		26,569	96,195	
TWO Sigma Small Cap Fund	PERFORMANCE FOOD GROUP CO		27,178	98,400	
TWO Sigma Small Cap Fund	PERMIAN BASIN ROYALTY TRUST		213	771	
TWO Sigma Small Cap Fund	PERRY ELLIS INTERNATIONAL		21,328	77,221	
TWO Sigma Small Cap Fund	PETMED EXPRESS INC		6,372	23,070	
TWO Sigma Small Cap Fund	PETROQUEST ENERGY INC		46	166	
TWO Sigma Small Cap Fund	PFENEX INC		3,257	11,791	
TWO Sigma Small Cap Fund	PFSWEB INC		8,217	29,750	
TWO Sigma Small Cap Fund	PGT INNOVATIONS INC		27,513	99,615	
TWO Sigma Small Cap Fund	PHARMATHENE INC		4,847	17,550	
TWO Sigma Small Cap Fund	PHARMERICA CORP		27,091	98,085	
TWO Sigma Small Cap Fund	PHH CORP		63,226	228,916	
TWO Sigma Small Cap Fund	PHI INC-NON VOTING		8,461	30,634	
TWO Sigma Small Cap Fund	PHIBRO ANIMAL HEALTH CORP-A		5,665	20,510	
TWO Sigma Small Cap Fund	PHOTRONICS INC		76,153	275,720	
TWO Sigma Small Cap Fund	PICO HOLDINGS INC		17,156	62,115	
TWO Sigma Small Cap Fund	PIER 1 IMPORTS INC		75,762	274,305	
TWO Sigma Small Cap Fund	PILGRIM'S PRIDE CORP		62,415	225,981	
TWO Sigma Small Cap Fund	PINNACLE ENTERTAINMENT INC		66,480	240,700	
TWO Sigma Small Cap Fund	PINNACLE FINANCIAL PARTNERS		1,378	4,990	
TWO Sigma Small Cap Fund	PINNACLE WEST CAPITAL		496	1,795	
TWO Sigma Small Cap Fund	PIONEER ENERGY SERVICES CORP		56,191	203,445	
TWO Sigma Small Cap Fund	PIPER JAFFRAY COS		18,022	65,250	
TWO Sigma Small Cap Fund	PITNEY BOWES INC		112,018	405,573	
TWO Sigma Small Cap Fund	PJT PARTNERS INC - A		23,881	86,464	
TWO Sigma Small Cap Fund	PLANET FITNESS INC - CL A		21,096	76,380	
TWO Sigma Small Cap Fund	PLANET PAYMENT INC		7,775	28,152	
TWO Sigma Small Cap Fund	PLANTRONICS INC		3,025	10,952	
TWO Sigma Small Cap Fund	PLEXUS CORP		52,240	189,140	
TWO Sigma Small Cap Fund	PLY GEM HOLDINGS INC		20,197	73,125	
TWO Sigma Small Cap Fund	POINTS INTERNATIONAL LTD		2,743	9,932	
TWO Sigma Small Cap Fund	POLYONE CORPORATION		690	2,499	
TWO Sigma Small Cap Fund	POPEYES LOUISIANA KITCHEN IN		84,440	305,726	
TWO Sigma Small Cap Fund	POPULAR INC		50,009	181,064	
TWO Sigma Small Cap Fund	POTBELLY CORP		29,572	107,070	
TWO Sigma Small Cap Fund	POWELL INDUSTRIES INC		16,157	58,500	
TWO Sigma Small Cap Fund	POWER INTEGRATIONS INC		11,244	40,710	
TWO Sigma Small Cap Fund	PRA GROUP INC		58,316	211,140	
TWO Sigma Small Cap Fund	PRECISION DRILLING CORP		23,934	86,655	
TWO Sigma Small Cap Fund	PREFERRED APARTMENT COMMUN-A		29,238	105,861	
TWO Sigma Small Cap Fund	PREFERRED BANK/LOS ANGELES		34,748	125,808	
TWO Sigma Small Cap Fund	PREMIER INC-CLASS A		48,635	176,088	
TWO Sigma Small Cap Fund	PRIMERICA INC		34,378	124,470	
TWO Sigma Small Cap Fund	PRIMERO MINING CORP		1,860	6,734	
TWO Sigma Small Cap Fund	PRIMO WATER CORP		10,853	39,296	
TWO Sigma Small Cap Fund	PRIMORIS SERVICES CORP		78,018	282,472	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	PROGRESS SOFTWARE CORP		41,008	148,475	
TWO Sigma Small Cap Fund	PROOFPOINT INC		169,765	614,655	
TWO Sigma Small Cap Fund	PROS HOLDINGS INC		31,502	114,056	
TWO Sigma Small Cap Fund	PROSPECT CAPITAL CORP		49,123	177,855	
TWO Sigma Small Cap Fund	PROVIDENCE SERVICE CORP		45,190	163,615	
TWO Sigma Small Cap Fund	PROVIDENT FINANCIAL SERVICES		4,690	16,980	
TWO Sigma Small Cap Fund	PTC INC		856	3,100	
TWO Sigma Small Cap Fund	PTC THERAPEUTICS INC		1,507	5,455	
TWO Sigma Small Cap Fund	PURE STORAGE INC - CLASS A		109,020	394,719	
TWO Sigma Small Cap Fund	PVH CORP		164,498	595,584	
TWO Sigma Small Cap Fund	PZENA INVESTMENT MANAGM-CL A		3,375	12,221	
TWO Sigma Small Cap Fund	Q2 HOLDINGS INC		30,279	109,630	
TWO Sigma Small Cap Fund	QAD INC-A		16,793	60,800	
TWO Sigma Small Cap Fund	QCR HOLDINGS INC		17,939	64,950	
TWO Sigma Small Cap Fund	QEP RESOURCES INC		6,102	22,092	
TWO Sigma Small Cap Fund	QIAGEN N.V.		4,643	16,812	
TWO Sigma Small Cap Fund	QORVO INC		772	2,795	
TWO Sigma Small Cap Fund	QUAD GRAPHICS INC		42,318	153,216	
TWO Sigma Small Cap Fund	QUALITY SYSTEMS INC		55,932	202,510	
TWO Sigma Small Cap Fund	QUALYS INC		34,966	126,600	
TWO Sigma Small Cap Fund	QUANEX BUILDING PRODUCTS		28,595	103,530	
TWO Sigma Small Cap Fund	QUANTUM CORP		3,516	12,731	
TWO Sigma Small Cap Fund	QUIDEL CORP		27,214	98,532	
TWO Sigma Small Cap Fund	QUINSTREET INC		3,219	11,656	
TWO Sigma Small Cap Fund	QUINTILES IMS HOLDINGS INC		5,062	18,328	
TWO Sigma Small Cap Fund	QUORUM HEALTH CORP		7,831	28,353	
TWO Sigma Small Cap Fund	QUOTIENT TECHNOLOGY INC		39,192	141,900	
TWO Sigma Small Cap Fund	RADIANT LOGISTICS INC		6,248	22,620	
TWO Sigma Small Cap Fund	RADISYS CORP		1,591	5,759	
TWO Sigma Small Cap Fund	RADNET INC		13,183	47,730	
TWO Sigma Small Cap Fund	RADWARE LTD		46,712	169,128	
TWO Sigma Small Cap Fund	RAIT FINANCIAL TRUST		12,523	45,340	
TWO Sigma Small Cap Fund	RAMBUS INC		41,835	151,470	
TWO Sigma Small Cap Fund	RAMCO-GERSHENSON PROPERTIES		131,427	475,846	
TWO Sigma Small Cap Fund	RANGE RESOURCES CORP		361	1,306	
TWO Sigma Small Cap Fund	RAPID7 INC		9,748	35,293	
TWO Sigma Small Cap Fund	RAVEN INDUSTRIES INC		16,704	60,480	
TWO Sigma Small Cap Fund	RAYONIER ADVANCED MATERIALS		22,631	81,938	
TWO Sigma Small Cap Fund	RBC BEARINGS INC		10,253	37,124	
TWO Sigma Small Cap Fund	READING INTERNATIONAL INC-A		6,877	24,900	
TWO Sigma Small Cap Fund	REAL INDUSTRY INC		337	1,220	
TWO Sigma Small Cap Fund	REALNETWORKS INC		934	3,383	
TWO Sigma Small Cap Fund	REALOGY HOLDINGS CORP		88,028	318,718	
TWO Sigma Small Cap Fund	REALPAGE INC		34,801	126,000	
TWO Sigma Small Cap Fund	REALTY INCOME CORP		1,191	4,311	
TWO Sigma Small Cap Fund	RED ROBIN GOURMET BURGERS		3,115	11,280	
TWO Sigma Small Cap Fund	RED ROCK RESORTS INC-CLASS A		38,430	139,140	
TWO Sigma Small Cap Fund	REDWOOD TRUST INC		37,808	136,890	
TWO Sigma Small Cap Fund	REGIONAL MANAGEMENT CORP		17,420	63,072	
TWO Sigma Small Cap Fund	REGIONS FINANCIAL CORP		9,781	35,412	
TWO Sigma Small Cap Fund	REGIS CORP		30,880	111,804	
TWO Sigma Small Cap Fund	REIS INC		5,531	20,025	
TWO Sigma Small Cap Fund	RENASANT CORP		65,955	238,796	
TWO Sigma Small Cap Fund	RENEWABLE ENERGY GROUP INC		49,028	177,510	
TWO Sigma Small Cap Fund	RENT-A-CENTER INC		70,223	254,250	
TWO Sigma Small Cap Fund	REPLIGEN CORP		18,727	67,804	
TWO Sigma Small Cap Fund	REPUBLIC BANCORP INC-CLASS A		6,552	23,724	
TWO Sigma Small Cap Fund	REPUBLIC FIRST BANCORP INC		5,304	19,205	
TWO Sigma Small Cap Fund	RESEARCH IN MOTION		169	613	
TWO Sigma Small Cap Fund	RESOLUTE FOREST PRODUCTS		9,260	33,528	
TWO Sigma Small Cap Fund	RESOURCE CAPITAL CORP		115	417	
TWO Sigma Small Cap Fund	RESOURCES CONNECTION INC		20,735	75,075	
TWO Sigma Small Cap Fund	RETAIL OPPORTUNITY INVESTMEN		34,123	123,547	
TWO Sigma Small Cap Fund	RETAILMENOT INC		23,631	85,560	
TWO Sigma Small Cap Fund	RETROPHIN INC		10,457	37,860	
TWO Sigma Small Cap Fund	REVANCE THERAPEUTICS INC		572	2,070	
TWO Sigma Small Cap Fund	REVLON INC-CLASS A		1,610	5,830	
TWO Sigma Small Cap Fund	REX AMERICAN RESOURCES CORP		27,274	98,750	
TWO Sigma Small Cap Fund	REXNORD CORP		57,353	207,654	
TWO Sigma Small Cap Fund	RICE ENERGY INC		3,538	12,810	
TWO Sigma Small Cap Fund	RIGEL PHARMACEUTICALS INC		4,273	15,470	
TWO Sigma Small Cap Fund	RIGHTSIDE GROUP LTD		685	2,481	
TWO Sigma Small Cap Fund	RIGNET INC		16,624	60,190	
TWO Sigma Small Cap Fund	RING ENERGY INC		5,023	18,186	
TWO Sigma Small Cap Fund	RINGCENTRAL INC-CLASS A		98,431	356,380	
TWO Sigma Small Cap Fund	RMR GROUP INC/THE - A		3,273	11,850	
TWO Sigma Small Cap Fund	ROADRUNNER TRANSPORTATION SY		28,123	101,822	
TWO Sigma Small Cap Fund	ROCKET FUEL INC		47	171	
TWO Sigma Small Cap Fund	ROCKY BRANDS INC		638	2,310	
TWO Sigma Small Cap Fund	ROGERS CORP		101,830	368,688	
TWO Sigma Small Cap Fund	ROLLINS INC		700	2,534	
TWO Sigma Small Cap Fund	ROSETTA STONE INC		6,398	23,166	
TWO Sigma Small Cap Fund	RPX CORP		22,047	79,823	
TWO Sigma Small Cap Fund	RR DONNELLEY & SONS CO		15,362	55,619	
TWO Sigma Small Cap Fund	RTI SURGICAL INC		6,283	22,750	
TWO Sigma Small Cap Fund	RUBICON PROJECT INC/THE		42,217	152,852	
TWO Sigma Small Cap Fund	RUBY TUESDAY INC		9,100	32,946	
TWO Sigma Small Cap Fund	RUDOLPH TECHNOLOGIES INC		49,659	179,795	
TWO Sigma Small Cap Fund	RUSH ENTERPRISES INC-CL A		68,723	248,820	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	RUTH'S HOSPITALITY GROUP INC		47,511	172,020	
TWO Sigma Small Cap Fund	RYDER SYSTEM INC		720	2,605	
TWO Sigma Small Cap Fund	RYERSON HOLDING CORP		20,648	74,760	
TWO Sigma Small Cap Fund	RYMAN HOSPITALITY PROPERTIES		5,221	18,903	
TWO Sigma Small Cap Fund	S & T BANCORP INC		36,553	132,346	
TWO Sigma Small Cap Fund	S&P GLOBAL INC		11,881	43,016	
TWO Sigma Small Cap Fund	SABINE ROYALTY TRUST		5,699	20,633	
TWO Sigma Small Cap Fund	SABRA HEALTH CARE REIT INC		14,838	53,724	
TWO Sigma Small Cap Fund	SAFEGUARD SCIENTIFICS INC		9,183	33,248	
TWO Sigma Small Cap Fund	SAFETY INSURANCE GROUP INC		14,249	51,590	
TWO Sigma Small Cap Fund	SAGA COMMUNICATIONS INC-CL A		1,848	6,690	
TWO Sigma Small Cap Fund	SAIA INC		81,066	293,509	
TWO Sigma Small Cap Fund	SALEM MEDIA GROUP INC		2,244	8,125	
TWO Sigma Small Cap Fund	SAN JUAN BASIN ROYALTY TR		1,646	5,958	
TWO Sigma Small Cap Fund	SANCHEZ ENERGY CORP		152	551	
TWO Sigma Small Cap Fund	SANDY SPRING BANCORP INC		40,867	147,963	
TWO Sigma Small Cap Fund	SANGAMO THERAPEUTICS INC		3,285	11,895	
TWO Sigma Small Cap Fund	SANMINA CORP		113,373	410,480	
TWO Sigma Small Cap Fund	SAPIENS INTERNATIONAL CORP		5,941	21,510	
TWO Sigma Small Cap Fund	SAREPTA THERAPEUTICS INC		379	1,372	
TWO Sigma Small Cap Fund	SAUL CENTERS INC		16,558	59,949	
TWO Sigma Small Cap Fund	SCANSOURCE INC		51,265	185,610	
TWO Sigma Small Cap Fund	SCHNITZER STEEL INDS INC-A		35,491	128,500	
TWO Sigma Small Cap Fund	SCHOLASTIC CORP		62,959	227,952	
TWO Sigma Small Cap Fund	SCHULMAN (A.) INC		65,845	238,398	
TWO Sigma Small Cap Fund	SCHWEITZER-MAUDUIT INTL INC		55,331	200,332	
TWO Sigma Small Cap Fund	SCICLONE PHARMACEUTICALS INC		26,846	97,200	
TWO Sigma Small Cap Fund	SCIENTIFIC GAMES CORP-A		44,081	159,600	
TWO Sigma Small Cap Fund	SCORPIO BULKERS INC		22	81	
TWO Sigma Small Cap Fund	SEACHANGE INTERNATIONAL INC		3,303	11,960	
TWO Sigma Small Cap Fund	SEACOAST BANKING CORP/FL		48,012	173,833	
TWO Sigma Small Cap Fund	SEACOR HOLDINGS INC		23,625	85,536	
TWO Sigma Small Cap Fund	SEADRILL LTD		69,601	251,999	
TWO Sigma Small Cap Fund	SEAGATE TECHNOLOGY		722,175	2,614,721	
TWO Sigma Small Cap Fund	SEARS HOMETOWN AND OUTLET ST		1,817	6,580	
TWO Sigma Small Cap Fund	SEASPAN CORP		51,246	185,542	
TWO Sigma Small Cap Fund	SEASpine HOLDINGS CORP		1,309	4,740	
TWO Sigma Small Cap Fund	SEATTLE GENETICS INC		122,429	443,268	
TWO Sigma Small Cap Fund	SEAWORLD ENTERTAINMENT INC		88,360	319,917	
TWO Sigma Small Cap Fund	SELECT COMFORT CORPORATION		11,870	42,978	
TWO Sigma Small Cap Fund	SELECTIVE INSURANCE GROUP		13,079	47,355	
TWO Sigma Small Cap Fund	SEMTECH CORP		179,508	649,930	
TWO Sigma Small Cap Fund	SENECA FOODS CORP - CL A		9,955	36,045	
TWO Sigma Small Cap Fund	SENOMYX INC		610	2,208	
TWO Sigma Small Cap Fund	SERVICEMASTER GLOBAL HOLDING		780	2,825	
TWO Sigma Small Cap Fund	SERVICEMASTER INTERNATIONAL		17,100	61,912	
TWO Sigma Small Cap Fund	SERVISFIRST BANCSHARES INC		105,476	381,888	
TWO Sigma Small Cap Fund	SHENANDOAH TELECOMMUNICATION		8,294	30,030	
TWO Sigma Small Cap Fund	SHILOH INDUSTRIES INC		954	3,455	
TWO Sigma Small Cap Fund	SHOE CARNIVAL INC		9,687	35,074	
TWO Sigma Small Cap Fund	SHOPIFY INC - CLASS A		37,890	137,184	
TWO Sigma Small Cap Fund	SHORETEL INC		50,752	183,755	
TWO Sigma Small Cap Fund	SHUTTERFLY INC		76,227	275,990	
TWO Sigma Small Cap Fund	SIERRA BANCORP		4,406	15,954	
TWO Sigma Small Cap Fund	SIERRA WIRELESS INC		42,496	153,860	
TWO Sigma Small Cap Fund	SIGMA DESIGNS INC		30,823	111,600	
TWO Sigma Small Cap Fund	SILICOM LTD		7,944	28,763	
TWO Sigma Small Cap Fund	SILVER BAY REALTY TRUST CORP		45,446	164,544	
TWO Sigma Small Cap Fund	SILVER SPRING NETWORKS INC		14,705	53,240	
TWO Sigma Small Cap Fund	SILVERCREST ASSET MANAGEMENT		726	2,630	
TWO Sigma Small Cap Fund	SIMMONS FIRST NATL CORP-CL A		41,197	149,160	
TWO Sigma Small Cap Fund	SIMPSON MANUFACTURING CO INC		93,044	336,875	
TWO Sigma Small Cap Fund	SINA CORP		337,478	1,221,879	
TWO Sigma Small Cap Fund	SINCLAIR BROADCAST GROUP -A		746	2,701	
TWO Sigma Small Cap Fund	SINOVAC BIOTECH LTD		6,681	24,190	
TWO Sigma Small Cap Fund	SITEONE LANDSCAPE SUPPLY INC		46,043	166,704	
TWO Sigma Small Cap Fund	SJW GROUP		4,638	16,794	
TWO Sigma Small Cap Fund	SKYWEST INC		76,512	277,020	
TWO Sigma Small Cap Fund	SMART & FINAL STORES INC		27,650	100,110	
TWO Sigma Small Cap Fund	SNYDERS-LANCE INC		318	1,150	
TWO Sigma Small Cap Fund	SODASTREAM INTERNATIONAL LTD		56,688	205,244	
TWO Sigma Small Cap Fund	SOHU.COM INC		43,057	155,894	
TWO Sigma Small Cap Fund	SOLAR CAPITAL LTD		28,752	104,100	
TWO Sigma Small Cap Fund	SOLAR SENIOR CAPITAL LTD		15,438	55,896	
TWO Sigma Small Cap Fund	SONUS NETWORKS INC		20,915	75,726	
TWO Sigma Small Cap Fund	SOUTH STATE CORP		73,288	265,346	
TWO Sigma Small Cap Fund	SOUTHSIDE BANCSHARES INC		51,210	185,412	
TWO Sigma Small Cap Fund	SOUTHWEST AIRLINES CO		840	3,040	
TWO Sigma Small Cap Fund	SOUTHWEST BANCORP INC/OKLA		7,465	27,028	
TWO Sigma Small Cap Fund	SOUTHWESTERN ENERGY CO		7,770	28,132	
TWO Sigma Small Cap Fund	SP PLUS CORP		19,437	70,375	
TWO Sigma Small Cap Fund	SPARTAN MOTORS INC		15,840	57,350	
TWO Sigma Small Cap Fund	SPARTANNASH CO		54,440	197,107	
TWO Sigma Small Cap Fund	SPARTON CORP		21,079	76,320	
TWO Sigma Small Cap Fund	SPECTRANETICS CORP		78,495	284,200	
TWO Sigma Small Cap Fund	SPECTRUM PHARMACEUTICALS INC		16,273	58,919	
TWO Sigma Small Cap Fund	SPEEDWAY MOTORSPORTS INC		7,182	26,004	
TWO Sigma Small Cap Fund	SPIRIT AEROSYSTEMS HOLD-CL A		259,468	939,435	
TWO Sigma Small Cap Fund	SPIRIT REALTY CAPITAL INC		271,004	981,201	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	SPOK HOLDINGS INC		13,181	47,725	
TWO Sigma Small Cap Fund	SPORTSMAN'S WAREHOUSE HOLDIN		37,346	135,216	
TWO Sigma Small Cap Fund	SPX CORP		20,309	73,532	
TWO Sigma Small Cap Fund	SPX FLOW INC		92,976	336,630	
TWO Sigma Small Cap Fund	ST JOE CO/THE		8,396	30,400	
TWO Sigma Small Cap Fund	STAAR SURGICAL CO		13,186	47,740	
TWO Sigma Small Cap Fund	STAG INDUSTRIAL INC		42,524	153,962	
TWO Sigma Small Cap Fund	STAMPS.COM INC		1,298	4,701	
TWO Sigma Small Cap Fund	STANDEX INTERNATIONAL CORP		7,279	26,355	
TWO Sigma Small Cap Fund	STANLEY BLACK & DECKER INC		60,186	217,911	
TWO Sigma Small Cap Fund	STARWOOD PROPERTY TRUST INC		606	2,195	
TWO Sigma Small Cap Fund	STATE AUTO FINANCIAL CORP		4,443	16,086	
TWO Sigma Small Cap Fund	STATE BANK FINANCIAL CORP		37,835	136,986	
TWO Sigma Small Cap Fund	STATE NATIONAL COS INC		17,992	65,142	
TWO Sigma Small Cap Fund	STEEL DYNAMICS INC		95,322	345,126	
TWO Sigma Small Cap Fund	STEELCASE INC-CL A		122,115	442,130	
TWO Sigma Small Cap Fund	STEIN MART INC		20,130	72,884	
TWO Sigma Small Cap Fund	STELLUS CAPITAL INVESTMENT C		9,660	34,974	
TWO Sigma Small Cap Fund	STEPAN CO		42,758	154,812	
TWO Sigma Small Cap Fund	STERICYCLE INC		80,857	292,752	
TWO Sigma Small Cap Fund	STERLING BANCORP/DE		407	1,474	
TWO Sigma Small Cap Fund	STERLING CONSTRUCTION CO		20,128	72,874	
TWO Sigma Small Cap Fund	STEVEN MADDEN LTD		94,909	343,629	
TWO Sigma Small Cap Fund	STEWART INFORMATION SERVICES		48,363	175,104	
TWO Sigma Small Cap Fund	STIFEL FINANCIAL CORP		9,685	35,065	
TWO Sigma Small Cap Fund	STOCK YARDS BANCORP INC		1,297	4,695	
TWO Sigma Small Cap Fund	STONEGATE BANK		25,356	91,806	
TWO Sigma Small Cap Fund	STONERIDGE INC		22,964	83,143	
TWO Sigma Small Cap Fund	STORE CAPITAL CORP		76,438	276,752	
TWO Sigma Small Cap Fund	STRATASYS LTD		44,591	161,447	
TWO Sigma Small Cap Fund	STRATTEC SECURITY CORP		1,113	4,030	
TWO Sigma Small Cap Fund	STRAYER EDUCATION INC		17,816	64,504	
TWO Sigma Small Cap Fund	STUDENT TRANSPORTATION INC		8,028	29,068	
TWO Sigma Small Cap Fund	STURM RUGER & CO INC		1,325	4,796	
TWO Sigma Small Cap Fund	SUCAMPO PHARMACEUTICALS-CL A		15,344	55,555	
TWO Sigma Small Cap Fund	SUFFOLK BANCORP		12,465	45,132	
TWO Sigma Small Cap Fund	SUMMIT MATERIALS INC -CL A		51,909	187,941	
TWO Sigma Small Cap Fund	SUN BANCORP INC-NJ		16,660	60,320	
TWO Sigma Small Cap Fund	SUN HYDRAULICS CORP		25,391	91,931	
TWO Sigma Small Cap Fund	SUN LIFE FINANCIAL INC		16,974	61,456	
TWO Sigma Small Cap Fund	SUNCOKE ENERGY INC		107,743	390,096	
TWO Sigma Small Cap Fund	SUNOPTA INC		27	99	
TWO Sigma Small Cap Fund	SUNPOWER CORP		76,312	276,298	
TWO Sigma Small Cap Fund	SUNRUN INC		9,826	35,577	
TWO Sigma Small Cap Fund	SUPER MICRO COMPUTER INC		38,736	140,250	
TWO Sigma Small Cap Fund	SUPERIOR ENERGY SERVICES INC		228	827	
TWO Sigma Small Cap Fund	SUPERIOR INDUSTRIES INTL		5,094	18,445	
TWO Sigma Small Cap Fund	SUPERNUS PHARMACEUTICALS INC		11,158	40,400	
TWO Sigma Small Cap Fund	SUPERVALU INC		46,047	166,719	
TWO Sigma Small Cap Fund	SURMODICS INC		16,135	58,420	
TWO Sigma Small Cap Fund	SUTHERLAND ASSET MANAGEMENT		175	632	
TWO Sigma Small Cap Fund	SWIFT TRANSPORTATION CO		333,043	1,205,820	
TWO Sigma Small Cap Fund	SYKES ENTERPRISES INC		42,246	152,958	
TWO Sigma Small Cap Fund	SYNAPTICS INC		45,876	166,098	
TWO Sigma Small Cap Fund	SYNCHRONOSS TECHNOLOGIES INC		100,494	363,850	
TWO Sigma Small Cap Fund	SYNERON MEDICAL LTD		23,896	86,520	
TWO Sigma Small Cap Fund	SYNTEL INC		66,138	239,459	
TWO Sigma Small Cap Fund	SYNUTRA INTERNATIONAL INC		1,773	6,420	
TWO Sigma Small Cap Fund	SYSTEMAX INC		1,696	6,139	
TWO Sigma Small Cap Fund	TAILORED BRANDS INC		109,380	396,025	
TWO Sigma Small Cap Fund	TAKE-TWO INTERACTIVE SOFTWARE		145,667	527,403	
TWO Sigma Small Cap Fund	TANGOE INC/CT		10,664	38,612	
TWO Sigma Small Cap Fund	TASER INTERNATIONAL INC		669	2,424	
TWO Sigma Small Cap Fund	TAUBMAN CENTERS INC		1,348	4,879	
TWO Sigma Small Cap Fund	TAYLOR MORRISON HOME CORP-A		2,660	9,630	
TWO Sigma Small Cap Fund	TCP CAPITAL CORP		467	1,690	
TWO Sigma Small Cap Fund	TEAM INC		13,009	47,100	
TWO Sigma Small Cap Fund	TECH DATA CORP		32,744	118,552	
TWO Sigma Small Cap Fund	TECHTARGET		11,073	40,091	
TWO Sigma Small Cap Fund	TECK RESOURCES LTD-CLS B		107,878	390,585	
TWO Sigma Small Cap Fund	TEEKAY CORP		48,571	175,857	
TWO Sigma Small Cap Fund	TEEKAY LNG PARTNERS LP		395	1,431	
TWO Sigma Small Cap Fund	TEEKAY TANKERS LTD-CLASS A		9,301	33,674	
TWO Sigma Small Cap Fund	TEJON RANCH CO		7,726	27,973	
TWO Sigma Small Cap Fund	TELENAV INC		6,036	21,855	
TWO Sigma Small Cap Fund	TELEPHONE AND DATA SYSTEMS		8,771	31,757	
TWO Sigma Small Cap Fund	TELETECH HOLDINGS INC		27,799	100,650	
TWO Sigma Small Cap Fund	TERRENO REALTY CORP		165	598	
TWO Sigma Small Cap Fund	TERRITORIAL BANCORP INC		4,535	16,420	
TWO Sigma Small Cap Fund	TESCO CORP		16,178	58,575	
TWO Sigma Small Cap Fund	TESSCO TECHNOLOGIES INC		718	2,600	
TWO Sigma Small Cap Fund	TETRA TECH INC		9,534	34,520	
TWO Sigma Small Cap Fund	TETRAPHASE PHARMACEUTICALS I		4,786	17,329	
TWO Sigma Small Cap Fund	TEXAS PACIFIC LAND TRUST		8,197	29,677	
TWO Sigma Small Cap Fund	TEXTAINER GROUP HOLDINGS LTD		12,140	43,955	
TWO Sigma Small Cap Fund	THERAVANCE BIOPHARMA INC		22,893	82,888	
TWO Sigma Small Cap Fund	THERMON GROUP HOLDINGS INC		22,672	82,087	
TWO Sigma Small Cap Fund	THIRD POINT REINSURANCE LTD		35,091	127,050	
TWO Sigma Small Cap Fund	THL CREDIT INC		23,224	84,084	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	TICC CAPITAL CORP		36,513	132,200	
TWO Sigma Small Cap Fund	TIER REIT INC		24,496	88,689	
TWO Sigma Small Cap Fund	TILLY'S INC-CLASS A SHRS		27,687	100,244	
TWO Sigma Small Cap Fund	TIME INC		113,392	410,550	
TWO Sigma Small Cap Fund	TIMKENSTEEL CORP		73,966	267,804	
TWO Sigma Small Cap Fund	TIPTREE INC		170	615	
TWO Sigma Small Cap Fund	TITAN INTERNATIONAL INC		46,752	169,271	
TWO Sigma Small Cap Fund	TITAN MACHINERY INC		23,340	84,506	
TWO Sigma Small Cap Fund	TIVO CORP		111,727	404,520	
TWO Sigma Small Cap Fund	T-MOBILE US INC		318	1,150	
TWO Sigma Small Cap Fund	TOOTSIE ROLL INDS		7,850	28,421	
TWO Sigma Small Cap Fund	TOPBUILD CORP		15,732	56,960	
TWO Sigma Small Cap Fund	TORTOISE CAPITAL RESOURCES C		11,175	40,461	
TWO Sigma Small Cap Fund	TOWER INTERNATIONAL INC		32,104	116,235	
TWO Sigma Small Cap Fund	TOWER SEMICONDUCTOR LTD		6,307	22,836	
TWO Sigma Small Cap Fund	TOWNE BANK		53,237	192,750	
TWO Sigma Small Cap Fund	TOWNSQUARE MEDIA INC - CL A		12,363	44,763	
TWO Sigma Small Cap Fund	TPG SPECIALTY LENDING INC		43,338	156,912	
TWO Sigma Small Cap Fund	TRADE DESK INC/THE -CLASS A		3,821	13,835	
TWO Sigma Small Cap Fund	TRANSDIGM GROUP INC		5,638	20,415	
TWO Sigma Small Cap Fund	TRANSOCEAN LTD		133,940	484,946	
TWO Sigma Small Cap Fund	TRAVELCENTERS OF AMERICA LLC		20,394	73,840	
TWO Sigma Small Cap Fund	TRAVELPORT WORLDWIDE LTD		162,395	587,970	
TWO Sigma Small Cap Fund	TRAVELZOO INC		2,643	9,569	
TWO Sigma Small Cap Fund	TRC COS INC		3,220	11,660	
TWO Sigma Small Cap Fund	TRECORA RESOURCES		4,590	16,620	
TWO Sigma Small Cap Fund	TREDEGAR CORP		11,269	40,800	
TWO Sigma Small Cap Fund	TREX COMPANY INC		65,812	238,280	
TWO Sigma Small Cap Fund	TRIANGLE CAPITAL CORP		7,092	25,676	
TWO Sigma Small Cap Fund	TRIBUNE MEDIA CO - A		966	3,498	
TWO Sigma Small Cap Fund	TRICO BANCSHARES		16,823	60,909	
TWO Sigma Small Cap Fund	TRIMAS CORP		36,996	133,950	
TWO Sigma Small Cap Fund	TRINET GROUP INC		128,786	466,284	
TWO Sigma Small Cap Fund	TRINITY INDUSTRIES INC		144,910	524,664	
TWO Sigma Small Cap Fund	TRINSEO SA		39,308	142,320	
TWO Sigma Small Cap Fund	TRIPLEPOINT VENTURE GROWTH B		8,459	30,628	
TWO Sigma Small Cap Fund	TRIPLE-S MANAGEMENT CORP-B		20,588	74,541	
TWO Sigma Small Cap Fund	TRISTATE CAPITAL HLDGS INC		27,468	99,450	
TWO Sigma Small Cap Fund	TRITON INTERNATIONAL LTD/BER		47,566	172,220	
TWO Sigma Small Cap Fund	TRIUMPH BANCORP INC		10,112	36,610	
TWO Sigma Small Cap Fund	TRIUMPH GROUP INC		57,090	206,700	
TWO Sigma Small Cap Fund	TRONC INC		9,577	34,675	
TWO Sigma Small Cap Fund	TRONOX LTD-CL A		107,069	387,656	
TWO Sigma Small Cap Fund	TRUEBLUE INC		53,104	192,270	
TWO Sigma Small Cap Fund	TRUECAR INC		22,441	81,250	
TWO Sigma Small Cap Fund	TRUPANION INC		17,575	63,632	
TWO Sigma Small Cap Fund	TRUSTCO BANK CORP NY		26,584	96,250	
TWO Sigma Small Cap Fund	TSAKOS ENERGY NAVIGATION LTD		6,736	24,388	
TWO Sigma Small Cap Fund	TTM TECHNOLOGIES		248,460	899,580	
TWO Sigma Small Cap Fund	TUCOWS INC-CLASS A		1,947	7,050	
TWO Sigma Small Cap Fund	TUESDAY MORNING CORP		5,518	19,980	
TWO Sigma Small Cap Fund	TUTOR PERINI CORP		66,508	240,800	
TWO Sigma Small Cap Fund	TWIN DISC INC		3,722	13,476	
TWO Sigma Small Cap Fund	TYLER TECHNOLOGIES INC		670	2,427	
TWO Sigma Small Cap Fund	U.S. PHYSICAL THERAPY INC		194	702	
TWO Sigma Small Cap Fund	UFP TECHNOLOGIES INC		6,326	22,905	
TWO Sigma Small Cap Fund	ULTA SALON COSMETICS & FRAGR		1,267	4,589	
TWO Sigma Small Cap Fund	ULTRA CLEAN HOLDINGS INC		50,367	182,360	
TWO Sigma Small Cap Fund	ULTRATECH INC		44,256	160,234	
TWO Sigma Small Cap Fund	UMB FINANCIAL CORP		12,780	46,272	
TWO Sigma Small Cap Fund	UMH PROPERTIES INC		16,627	60,200	
TWO Sigma Small Cap Fund	UMPQUA HOLDINGS CORP		87,582	317,100	
TWO Sigma Small Cap Fund	UNIFI INC		27,334	98,967	
TWO Sigma Small Cap Fund	UNIFIRST CORP/MA		1,587	5,746	
TWO Sigma Small Cap Fund	UNION BANKSHARES CORP		31,509	114,082	
TWO Sigma Small Cap Fund	UNISYS CORP		77,215	279,565	
TWO Sigma Small Cap Fund	UNIT CORP		75,698	274,074	
TWO Sigma Small Cap Fund	UNITED BANKSHARES INC		55,784	201,974	
TWO Sigma Small Cap Fund	UNITED COMMUNITY BANKS/GA		491	1,777	
TWO Sigma Small Cap Fund	UNITED COMMUNITY FINANCIAL		5,926	21,456	
TWO Sigma Small Cap Fund	UNITED CONTINENTAL HOLDINGS		1,308	4,737	
TWO Sigma Small Cap Fund	UNITED FINANCIAL BANCORP INC		24,346	88,149	
TWO Sigma Small Cap Fund	UNITED FIRE GROUP INC		31,235	113,091	
TWO Sigma Small Cap Fund	UNITED INSURANCE HOLDINGS CO		10,454	37,850	
TWO Sigma Small Cap Fund	UNITED RENTALS INC		583	2,112	
TWO Sigma Small Cap Fund	UNITED STATES STEEL CORP		266,223	963,892	
TWO Sigma Small Cap Fund	UNITIL CORP		21,113	76,443	
TWO Sigma Small Cap Fund	UNIVAR INC		18,022	65,251	
TWO Sigma Small Cap Fund	UNIVERSAL AMERICAN CORP		13,765	49,840	
TWO Sigma Small Cap Fund	UNIVERSAL CORP/VA		47,540	172,125	
TWO Sigma Small Cap Fund	UNIVERSAL FOREST PRODUCTS		53,621	194,142	
TWO Sigma Small Cap Fund	UNIVERSAL HEALTH RLTY INCOME		16,304	59,031	
TWO Sigma Small Cap Fund	UNIVERSAL HEALTH SERVICES-B		217,425	787,212	
TWO Sigma Small Cap Fund	UNIVERSAL INSURANCE HOLDINGS		34,513	124,960	
TWO Sigma Small Cap Fund	UNIVERSAL STAINLESS & ALLOY		1,119	4,053	
TWO Sigma Small Cap Fund	UNIVERSAL TECHNICAL INSTITUT		1,607	5,820	
TWO Sigma Small Cap Fund	UNIVEST CORP OF PENNSYLVANIA		768	2,781	
TWO Sigma Small Cap Fund	URBAN EDGE PROPERTIES		24,314	88,032	
TWO Sigma Small Cap Fund	URBAN OUTFITTERS INC		126	456	

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TWO Sigma Small Cap Fund	URSTADT BIDDLE - CLASS A		27,968	101,262
TWO Sigma Small Cap Fund	US CELLULAR CORP		1,208	4,372
TWO Sigma Small Cap Fund	US ECOLOGY INC		17,648	63,895
TWO Sigma Small Cap Fund	US FOODS HOLDING CORP		75,140	272,052
TWO Sigma Small Cap Fund	USA TRUCK INC		9,623	34,840
TWO Sigma Small Cap Fund	UTAH MEDICAL PRODUCTS INC		2,009	7,275
TWO Sigma Small Cap Fund	VALEANT PHARMACEUTICALS INTE		148,785	538,692
TWO Sigma Small Cap Fund	VALIDUS HOLDINGS LTD		1,428	5,171
TWO Sigma Small Cap Fund	VALLEY NATIONAL BANCORP		119	431
TWO Sigma Small Cap Fund	VANDA PHARMACEUTICALS INC		54,186	196,185
TWO Sigma Small Cap Fund	VARONIS SYSTEMS INC		87,344	316,240
TWO Sigma Small Cap Fund	VASCO DATA SECURITY INTL		26,391	95,550
TWO Sigma Small Cap Fund	VECTOR GROUP LTD		94,229	341,168
TWO Sigma Small Cap Fund	VECTRUS INC		27,008	97,785
TWO Sigma Small Cap Fund	VEECO INSTRUMENTS INC		24,958	90,365
TWO Sigma Small Cap Fund	VERA BRADLEY INC		40,058	145,035
TWO Sigma Small Cap Fund	VERACYTE INC		4,276	15,480
TWO Sigma Small Cap Fund	VERASTEM INC		433	1,568
TWO Sigma Small Cap Fund	VEREIT INC		68,218	246,990
TWO Sigma Small Cap Fund	VERIFONE SYSTEMS INC		316,235	1,144,968
TWO Sigma Small Cap Fund	VERINT SYSTEMS INC		56,186	203,428
TWO Sigma Small Cap Fund	VERISIGN INC		69,334	251,031
TWO Sigma Small Cap Fund	VERITEX HOLDINGS INC		4,271	15,465
TWO Sigma Small Cap Fund	VERITIV CORP		11,876	43,000
TWO Sigma Small Cap Fund	VERSARTIS INC		6,173	22,350
TWO Sigma Small Cap Fund	VERSUM MATERIALS INC		132,573	479,997
TWO Sigma Small Cap Fund	VERTEX PHARMACEUTICALS INC		331,662	1,200,821
TWO Sigma Small Cap Fund	VIAD CORP		42,631	154,350
TWO Sigma Small Cap Fund	VIAVI SOLUTIONS INC		126,294	457,262
TWO Sigma Small Cap Fund	VICOR CORP		5,839	21,140
TWO Sigma Small Cap Fund	VILLAGE SUPER MARKET-CLASS A		27,310	98,880
TWO Sigma Small Cap Fund	VINCE HOLDING CORP		107	389
TWO Sigma Small Cap Fund	VIRTU FINANCIAL INC-CLASS A		57,710	208,945
TWO Sigma Small Cap Fund	VISHAY INTERTECHNOLOGY INC		43,401	157,140
TWO Sigma Small Cap Fund	VISHAY PRECISION GROUP		6,264	22,680
TWO Sigma Small Cap Fund	VISTEON CORP		37,722	136,578
TWO Sigma Small Cap Fund	VITAL THERAPIES INC		961	3,480
TWO Sigma Small Cap Fund	VITAMIN SHOPPE INC		164	594
TWO Sigma Small Cap Fund	VIVINT SOLAR INC		3,381	12,240
TWO Sigma Small Cap Fund	VIVUS INC		3,176	11,500
TWO Sigma Small Cap Fund	VMWARE INC-CLASS A		117,422	425,142
TWO Sigma Small Cap Fund	VOCERA COMMUNICATIONS INC		58,218	210,786
TWO Sigma Small Cap Fund	VONAGE HOLDINGS CORP		127	459
TWO Sigma Small Cap Fund	VOXX INTERNATIONAL CORP		5,108	18,495
TWO Sigma Small Cap Fund	VOYA FINANCIAL INC		63,911	231,398
TWO Sigma Small Cap Fund	VSE CORP		4,291	15,536
TWO Sigma Small Cap Fund	VTI ENERGY PARTNERS LP		28,102	101,745
TWO Sigma Small Cap Fund	WADDELL & REED FINANCIAL-A		100,766	364,837
TWO Sigma Small Cap Fund	WAGeworks INC		148,099	536,210
TWO Sigma Small Cap Fund	WALKER & DUNLOP INC		20,682	74,880
TWO Sigma Small Cap Fund	WALTER INVESTMENT MANAGEMENT		5	19
TWO Sigma Small Cap Fund	WASHINGTON FEDERAL INC		80,642	291,975
TWO Sigma Small Cap Fund	WASHINGTON PRIME GROUP INC		15,526	56,214
TWO Sigma Small Cap Fund	WASHINGTON TRUST BANCORP		17,029	61,655
TWO Sigma Small Cap Fund	WASHINGTONFIRST BANKSHARE		4,003	14,495
TWO Sigma Small Cap Fund	WASTE CONNECTIONS INC		608	2,201
TWO Sigma Small Cap Fund	WATERS CORP		19,264	69,748
TWO Sigma Small Cap Fund	WATERSTONE FINANCIAL INC		15,576	56,396
TWO Sigma Small Cap Fund	WATTS WATER TECHNOLOGIES-A		54,024	195,600
TWO Sigma Small Cap Fund	WD-40 CO		38,745	140,280
TWO Sigma Small Cap Fund	WEB.COM GROUP INC		31,544	114,210
TWO Sigma Small Cap Fund	WEBMD HEALTH CORP		310,786	1,125,239
TWO Sigma Small Cap Fund	WEBSTER FINANCIAL CORP		615	2,225
TWO Sigma Small Cap Fund	WEIBO CORP-SPON ADR		13,905	50,344
TWO Sigma Small Cap Fund	WEIS MARKETS INC		9,230	33,420
TWO Sigma Small Cap Fund	WERNER ENTERPRISES INC		87,089	315,315
TWO Sigma Small Cap Fund	WESBANCO INC		5,173	18,731
TWO Sigma Small Cap Fund	WESCO AIRCRAFT HOLDINGS INC		1,829	6,623
TWO Sigma Small Cap Fund	WESCO INTERNATIONAL INC		643	2,329
TWO Sigma Small Cap Fund	WEST BANCORPORATION		2,524	9,139
TWO Sigma Small Cap Fund	WEST CORP		41,032	148,560
TWO Sigma Small Cap Fund	WEST MARINE INC		4,338	15,705
TWO Sigma Small Cap Fund	WEST PHARMACEUTICAL SERVICES		422	1,527
TWO Sigma Small Cap Fund	WESTERN ALLIANCE BANCORP		1,130	4,092
TWO Sigma Small Cap Fund	WESTERN ASSET MORTGAGE CAPIT		556	2,014
TWO Sigma Small Cap Fund	WESTERN REFINING INC		1,035	3,747
TWO Sigma Small Cap Fund	WESTMORELAND COAL CO		59,541	215,574
TWO Sigma Small Cap Fund	WESTWOOD HOLDINGS GROUP INC		8,284	29,995
TWO Sigma Small Cap Fund	WEYCO GROUP INC		1,729	6,260
TWO Sigma Small Cap Fund	WEYERHAEUSER CO		341	1,234
TWO Sigma Small Cap Fund	WHITEWAVE FOODS CO		430	1,557
TWO Sigma Small Cap Fund	WHITING PETROLEUM CORP		20,689	74,909
TWO Sigma Small Cap Fund	WILLBROS GROUP INC		716	2,592
TWO Sigma Small Cap Fund	WILLDAN GROUP INC		18,718	67,770
TWO Sigma Small Cap Fund	WILLIS TOWERS WATSON PLC		642	2,323
TWO Sigma Small Cap Fund	WINDSTREAM HOLDINGS INC		59,748	216,323
TWO Sigma Small Cap Fund	WINGSTOP INC		2,452	8,877
TWO Sigma Small Cap Fund	WINMARK CORP		3,484	12,615
TWO Sigma Small Cap Fund	WIX.COM LTD		184,568	668,250

IBM
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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma Small Cap Fund	WMIH CORP		3,125	11,315	
TWO Sigma Small Cap Fund	WORKIVA INC		18,096	65,520	
TWO Sigma Small Cap Fund	WORLD ACCEPTANCE CORP		60,363	218,552	
TWO Sigma Small Cap Fund	WP CAREY INC		197,477	714,989	
TWO Sigma Small Cap Fund	WRIGHT MEDICAL GROUP NV		178	643	
TWO Sigma Small Cap Fund	WSFS FINANCIAL CORP		49,927	180,765	
TWO Sigma Small Cap Fund	WYNDHAM WORLDWIDE CORP		10,547	38,185	
TWO Sigma Small Cap Fund	XACTLY CORP		4,557	16,500	
TWO Sigma Small Cap Fund	XCERRA CORP		18,919	68,500	
TWO Sigma Small Cap Fund	XENCOR INC		30,532	110,544	
TWO Sigma Small Cap Fund	XENIA HOTELS & RESORTS INC		15,018	54,376	
TWO Sigma Small Cap Fund	XEROX CORP		137,920	499,356	
TWO Sigma Small Cap Fund	XO GROUP INC		18,802	68,075	
TWO Sigma Small Cap Fund	YADKIN FINANCIAL CORP		65,935	238,724	
TWO Sigma Small Cap Fund	YAMANA GOLD INC		24,137	87,391	
TWO Sigma Small Cap Fund	YELP INC		200,096	724,470	
TWO Sigma Small Cap Fund	YORK WATER CO		12,661	45,840	
TWO Sigma Small Cap Fund	YRC WORLDWIDE INC		49,516	179,280	
TWO Sigma Small Cap Fund	YUM! BRANDS INC		34,983	126,660	
TWO Sigma Small Cap Fund	YUME INC		3,065	11,098	
TWO Sigma Small Cap Fund	ZAFGEN INC		2,459	8,904	
TWO Sigma Small Cap Fund	ZAGG INC		8,040	29,110	
TWO Sigma Small Cap Fund	ZAYO GROUP HOLDINGS INC		48,102	174,158	
TWO Sigma Small Cap Fund	ZELTIQ AESTHETICS INC		57,696	208,896	
TWO Sigma Small Cap Fund	ZILLOW GROUP INC - A		765	2,770	
TWO Sigma Small Cap Fund	ZIX CORP		10,642	38,532	
TWO Sigma Small Cap Fund	ZOGENIX INC		1,007	3,645	
TWO Sigma Small Cap Fund	ZUMIEZ INC		603	2,185	
TWO Sigma Small Cap Fund	ZYNGA INC - CL A		198,609	719,086	
TWO Sigma Small Cap Fund	OTHER		588,131	2,129,397	
TWO Sigma All Cap Fund	1-800-FLOWERS.COM INC-CL A		919	1,731	
TWO Sigma All Cap Fund	1ST SOURCE CORP		2,109	3,975	
TWO Sigma All Cap Fund	3M CO		2,299	4,334	
TWO Sigma All Cap Fund	8X8 INC		1,228	2,314	
TWO Sigma All Cap Fund	A10 NETWORKS INC		57,952	109,245	
TWO Sigma All Cap Fund	AAR CORP		29,889	56,343	
TWO Sigma All Cap Fund	AARON'S INC		88,218	166,299	
TWO Sigma All Cap Fund	ABBOTT LABORATORIES		527,090	993,611	
TWO Sigma All Cap Fund	ABBVIE INC		2,034,521	3,835,252	
TWO Sigma All Cap Fund	ABERCROMBIE & FITCH CO-CL A		391	738	
TWO Sigma All Cap Fund	ABRAXAS PETROLEUM CORP		2,758	5,198	
TWO Sigma All Cap Fund	ACACIA COMMUNICATIONS INC		135,169	254,806	
TWO Sigma All Cap Fund	ACACIA RESEARCH CORP		1,116	2,104	
TWO Sigma All Cap Fund	ACCENTURE PLC-CL A		2,125,259	4,006,302	
TWO Sigma All Cap Fund	ACCO BRANDS CORP		8,962	16,894	
TWO Sigma All Cap Fund	ACCURAY INC		999	1,883	
TWO Sigma All Cap Fund	ACORDA THERAPEUTICS INC		16,138	30,422	
TWO Sigma All Cap Fund	ACTIVISION BLIZZARD INC		790	1,490	
TWO Sigma All Cap Fund	ACTUA CORP		601	1,133	
TWO Sigma All Cap Fund	ACTUANT CORP-A		5,602	10,561	
TWO Sigma All Cap Fund	ACXIOM CORP		11,503	21,684	
TWO Sigma All Cap Fund	ADDUS HOMECARE CORP		25,575	48,210	
TWO Sigma All Cap Fund	ADECOAGRO SA		77,663	146,402	
TWO Sigma All Cap Fund	ADIENT PLC		47,813	90,133	
TWO Sigma All Cap Fund	ADOBE SYSTEMS INC		1,306,395	2,462,671	
TWO Sigma All Cap Fund	ADVANCE AUTO PARTS INC		3,847	7,252	
TWO Sigma All Cap Fund	ADVANCED DRAINAGE SYSTEMS IN		12,378	23,334	
TWO Sigma All Cap Fund	ADVANCED ENERGY INDUSTRIES		30,549	57,588	
TWO Sigma All Cap Fund	ADVANCED MICRO DEVICES		49	92	
TWO Sigma All Cap Fund	ADVISORY BOARD CO/THE		628	1,184	
TWO Sigma All Cap Fund	AECOM		2,856	5,384	
TWO Sigma All Cap Fund	AEGEAN MARINE PETROLEUM NETW		18,733	35,313	
TWO Sigma All Cap Fund	AEGION CORP		27,465	51,774	
TWO Sigma All Cap Fund	AES CORP		24,778	46,708	
TWO Sigma All Cap Fund	AETNA INC		3,930,184	7,408,746	
TWO Sigma All Cap Fund	AFFILIATED MANAGERS GROUP		179,372	1,356,080	
TWO Sigma All Cap Fund	AFLAC INC		305,482	575,860	
TWO Sigma All Cap Fund	AG MORTGAGE INVESTMENT TRUST		24,969	47,069	
TWO Sigma All Cap Fund	AGCO CORP		571	1,077	
TWO Sigma All Cap Fund	AGILENT TECHNOLOGIES INC		690,070	1,300,844	
TWO Sigma All Cap Fund	AGILYSYS INC		889	1,676	
TWO Sigma All Cap Fund	AGNC INVESTMENT CORP		476,249	897,771	
TWO Sigma All Cap Fund	AGNICO EAGLE MINES LTD		1,803	3,398	
TWO Sigma All Cap Fund	AGREE REALTY CORP		172,649	325,458	
TWO Sigma All Cap Fund	AGRIUM INC		34,526	65,084	
TWO Sigma All Cap Fund	AIR LEASE CORP		383	722	
TWO Sigma All Cap Fund	AIR METHODS CORP		86,123	162,350	
TWO Sigma All Cap Fund	AIR PRODUCTS & CHEMICALS INC		2,198,604	4,144,564	
TWO Sigma All Cap Fund	AIR TRANSPORT SERVICES GROUP		69,564	131,134	
TWO Sigma All Cap Fund	AIRCRAFT LTD		1,790	3,374	
TWO Sigma All Cap Fund	AK STEEL HOLDING CORP		206	388	
TWO Sigma All Cap Fund	AKAMAI TECHNOLOGIES INC		1,329,817	2,506,823	
TWO Sigma All Cap Fund	ALAMO GROUP INC		28,319	53,383	
TWO Sigma All Cap Fund	ALBANY INTL CORP-CL A		68,242	128,642	
TWO Sigma All Cap Fund	ALCOA CORP		98,949	186,527	
TWO Sigma All Cap Fund	ALERE INC		686	1,293	
TWO Sigma All Cap Fund	ALEXANDRIA REAL ESTATE EQUIT		4,674	8,812	
TWO Sigma All Cap Fund	ALEXION PHARMACEUTICALS INC		481,815	908,264	
TWO Sigma All Cap Fund	ALIGN TECHNOLOGY INC		289	544	

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TWO Sigma All Cap Fund	ALKERMES PLC		38,169	71,952	
TWO Sigma All Cap Fund	ALLEGHANY CORP		16,444	30,998	
TWO Sigma All Cap Fund	ALLEGHENY TECHNOLOGIES INC		349	657	
TWO Sigma All Cap Fund	ALLEGION PLC		793,840	1,496,460	
TWO Sigma All Cap Fund	ALLERGAN PLC		1,442	2,719	
TWO Sigma All Cap Fund	ALLIANCE DATA SYSTEMS CORP		4,119	7,765	
TWO Sigma All Cap Fund	ALLIANCE HEALTHCARE SERVICE		3,296	6,214	
TWO Sigma All Cap Fund	ALLIANCE ONE INTERNATIONAL		247	466	
TWO Sigma All Cap Fund	ALLIANT ENERGY CORP		667	1,257	
TWO Sigma All Cap Fund	ALLIED WORLD ASSURANCE CO		436,368	822,593	
TWO Sigma All Cap Fund	ALLISON TRANSMISSION HOLDING		829,113	1,562,952	
TWO Sigma All Cap Fund	ALLOT COMMUNICATIONS LTD		617	1,163	
TWO Sigma All Cap Fund	ALLSCRIPTS HEALTHCARE SOLUTI		61,207	115,380	
TWO Sigma All Cap Fund	ALLSTATE CORP		28,282	53,314	
TWO Sigma All Cap Fund	ALLY FINANCIAL INC		35,920	67,712	
TWO Sigma All Cap Fund	ALMOST FAMILY INC		31,459	59,302	
TWO Sigma All Cap Fund	ALPHA & OMEGA SEMICONDUCTOR		54,630	102,982	
TWO Sigma All Cap Fund	ALPHABET INC-CL A		8,599,454	16,210,734	
TWO Sigma All Cap Fund	ALTRIA GROUP INC		2,293	4,322	
TWO Sigma All Cap Fund	AMAZON.COM INC		16,736	31,549	
TWO Sigma All Cap Fund	AMBER ROAD INC		9,092	17,140	
TWO Sigma All Cap Fund	AMC NETWORKS INC-A		786	1,482	
TWO Sigma All Cap Fund	AMDOCS LTD		225,014	424,171	
TWO Sigma All Cap Fund	AMEREN CORPORATION		1,959	3,693	
TWO Sigma All Cap Fund	AMERESCO INC-CL A		2,408	4,539	
TWO Sigma All Cap Fund	AMERICAN ASSETS TRUST INC		1,331	2,510	
TWO Sigma All Cap Fund	AMERICAN AXLE & MFG HOLDINGS		11,597	21,862	
TWO Sigma All Cap Fund	AMERICAN CAPITAL LTD		292	551	
TWO Sigma All Cap Fund	AMERICAN EAGLE OUTFITTERS		599	1,129	
TWO Sigma All Cap Fund	AMERICAN ELECTRIC POWER		1,755,907	3,310,040	
TWO Sigma All Cap Fund	AMERICAN EQUITY INVT LIFE HL		45,034	84,894	
TWO Sigma All Cap Fund	AMERICAN EXPRESS CO		308,834	582,179	
TWO Sigma All Cap Fund	AMERICAN FINANCIAL GROUP INC		3,139	5,918	
TWO Sigma All Cap Fund	AMERICAN HOMES 4 RENT- A		9	17	
TWO Sigma All Cap Fund	AMERICAN INTERNATIONAL GROUP		1,598	3,012	
TWO Sigma All Cap Fund	AMERICAN NATIONAL INSURANCE		28,667	54,041	
TWO Sigma All Cap Fund	AMERICAN PUBLIC EDUCATION		16,891	31,841	
TWO Sigma All Cap Fund	AMERICAN SOFTWARE INC-CL A		10,752	20,268	
TWO Sigma All Cap Fund	AMERICAN TOWER CORP		1,470,810	2,772,607	
TWO Sigma All Cap Fund	AMERICAN WATER WORKS CO INC		2,081	3,923	
TWO Sigma All Cap Fund	AMERICAN WOODMARK CORP		35,722	67,339	
TWO Sigma All Cap Fund	AMERIPRISE FINANCIAL INC		2,143	4,039	
TWO Sigma All Cap Fund	AMERISAFE INC		50,846	95,850	
TWO Sigma All Cap Fund	AMERISOURCEBERGEN CORP		3,020	5,694	
TWO Sigma All Cap Fund	AMETEK INC		402,653	759,038	
TWO Sigma All Cap Fund	AMGEN INC		1,765,671	3,328,447	
TWO Sigma All Cap Fund	AMKOR TECHNOLOGY INC		202,636	381,986	
TWO Sigma All Cap Fund	AMPCO-PITTSBURGH CORP		5,032	9,487	
TWO Sigma All Cap Fund	AMPHASTAR PHARMACEUTICALS IN		71,945	135,623	
TWO Sigma All Cap Fund	AMPHENOL CORP-CL A		808	1,522	
TWO Sigma All Cap Fund	AMTRUST FINANCIAL SERVICES		266,190	501,791	
TWO Sigma All Cap Fund	ANADARKO PETROLEUM CORP		18,795	35,431	
TWO Sigma All Cap Fund	ANALOG DEVICES INC		436,806	823,418	
TWO Sigma All Cap Fund	ANDERSONS INC/THE		10,763	20,290	
TWO Sigma All Cap Fund	ANGIODYNAMICS INC		60,873	114,751	
TWO Sigma All Cap Fund	ANIKA THERAPEUTICS INC		29,630	55,855	
TWO Sigma All Cap Fund	ANNALY CAPITAL MANAGEMENT IN		398,614	751,424	
TWO Sigma All Cap Fund	ANSYS INC		873	1,646	
TWO Sigma All Cap Fund	ANTERO RESOURCES CORP		30	57	
TWO Sigma All Cap Fund	ANTHEM INC		2,001,609	3,773,212	
TWO Sigma All Cap Fund	ANWORTH MORTGAGE ASSET CORP		54,646	103,012	
TWO Sigma All Cap Fund	AON PLC		546,722	1,030,619	
TWO Sigma All Cap Fund	APACHE CORP		708	1,335	
TWO Sigma All Cap Fund	APARTMENT INVT & MGMT CO -A		312	588	
TWO Sigma All Cap Fund	APOLLO EDUCATION GROUP INC		272	513	
TWO Sigma All Cap Fund	APOLLO GLOBAL MANAGEMENT - A		24,870	46,883	
TWO Sigma All Cap Fund	APOLLO INVESTMENT CORP		59,358	111,895	
TWO Sigma All Cap Fund	APPLE INC		199	375	
TWO Sigma All Cap Fund	APPLIED INDUSTRIAL TECH INC		15,297	28,836	
TWO Sigma All Cap Fund	APPLIED MATERIALS INC		854,847	1,611,462	
TWO Sigma All Cap Fund	APPROACH RESOURCES INC		58	108	
TWO Sigma All Cap Fund	APTARGROUP INC		1,261	2,377	
TWO Sigma All Cap Fund	AQUA AMERICA INC		1,160	2,187	
TWO Sigma All Cap Fund	ARBOR REALTY TRUST INC		18,123	34,163	
TWO Sigma All Cap Fund	ARC DOCUMENT SOLUTIONS INC		7,398	13,946	
TWO Sigma All Cap Fund	ARCBEST CORP		6,136	11,566	
TWO Sigma All Cap Fund	ARCHER-DANIELS-MIDLAND CO		472,183	890,107	
TWO Sigma All Cap Fund	ARCHROCK INC		623	1,175	
TWO Sigma All Cap Fund	ARCONIC INC		8,196	15,451	
TWO Sigma All Cap Fund	ARCOS DORADOS HOLDINGS INC-A		48,927	92,233	
TWO Sigma All Cap Fund	ARDELYX INC		609	1,149	
TWO Sigma All Cap Fund	ARES CAPITAL CORP		16,257	30,647	
TWO Sigma All Cap Fund	ARES COMMERCIAL REAL ESTATE		4,714	8,887	
TWO Sigma All Cap Fund	ARGAN INC		65,104	122,726	
TWO Sigma All Cap Fund	ARMADA HOFFLER PROPERTIES IN		65,188	122,884	
TWO Sigma All Cap Fund	ARMOUR RESIDENTIAL REIT INC		120,094	226,387	
TWO Sigma All Cap Fund	ARMSTRONG WORLD INDUSTRIES		179	338	
TWO Sigma All Cap Fund	ARROW ELECTRONICS INC		2,020	3,807	
TWO Sigma All Cap Fund	ARROW FINANCIAL CORP		8,413	15,860	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
TWO Sigma All Cap Fund	ARTESIAN RESOURCES CORP-CL A		8,225	15,506
TWO Sigma All Cap Fund	ARTHUR J GALLAGHER & CO		97,526	183,845
TWO Sigma All Cap Fund	ASCENA RETAIL GROUP INC		21,996	41,464
TWO Sigma All Cap Fund	ASHLAND GLOBAL HOLDINGS INC		1,783	3,360
TWO Sigma All Cap Fund	ASPEN INSURANCE HOLDINGS LTD		286,395	539,880
TWO Sigma All Cap Fund	ASSOCIATED BANC-CORP		954	1,799
TWO Sigma All Cap Fund	ASSURANT INC		3,507	6,612
TWO Sigma All Cap Fund	ASSURED GUARANTY LTD		219,744	414,237
TWO Sigma All Cap Fund	ASTORIA FINANCIAL CORP		59,235	111,664
TWO Sigma All Cap Fund	AT&T INC		1,424	2,684
TWO Sigma All Cap Fund	ATHENAHEALTH INC		18,056	34,037
TWO Sigma All Cap Fund	ATLAS FINANCIAL HOLDINGS INC		1,549	2,921
TWO Sigma All Cap Fund	ATLASSIAN CORP PLC-CLASS A		57,227	107,878
TWO Sigma All Cap Fund	ATMOS ENERGY CORP		2,960	5,580
TWO Sigma All Cap Fund	ATWOOD OCEANICS INC		293	552
TWO Sigma All Cap Fund	AUTOBYTEL INC		6,927	13,059
TWO Sigma All Cap Fund	AUTODESK INC		3,145	5,928
TWO Sigma All Cap Fund	AUTOLIV INC		2,817	5,310
TWO Sigma All Cap Fund	AUTOMATIC DATA PROCESSING		4,191	7,900
TWO Sigma All Cap Fund	AUTONATION INC		689	1,299
TWO Sigma All Cap Fund	AUTOZONE INC		96,272	181,481
TWO Sigma All Cap Fund	AVALONBAY COMMUNITIES INC		2,357	4,443
TWO Sigma All Cap Fund	AVERY DENNISON CORP		2,321	4,375
TWO Sigma All Cap Fund	AVID TECHNOLOGY INC		1,889	3,560
TWO Sigma All Cap Fund	AVIS BUDGET GROUP INC		53,528	100,904
TWO Sigma All Cap Fund	AVNET INC		613	1,156
TWO Sigma All Cap Fund	AVON PRODUCTS INC		195	367
TWO Sigma All Cap Fund	AVX CORP		8,835	16,655
TWO Sigma All Cap Fund	AXALTA COATING SYSTEMS LTD		514	968
TWO Sigma All Cap Fund	AXCELIS TECHNOLOGIES INC		21,389	40,320
TWO Sigma All Cap Fund	AXIS CAPITAL HOLDINGS LTD		1,457	2,746
TWO Sigma All Cap Fund	B/E AEROSPACE INC		1,343	2,532
TWO Sigma All Cap Fund	B2GOLD CORP		1,438	2,711
TWO Sigma All Cap Fund	BABCOCK & WILCOX ENTERPR		8,858	16,698
TWO Sigma All Cap Fund	BAKER HUGHES INC		3,115,375	5,872,758
TWO Sigma All Cap Fund	BALDWIN & LYONS INC -CL B		5,441	10,256
TWO Sigma All Cap Fund	BALL CORP		2,900	5,467
TWO Sigma All Cap Fund	BANCO LATINOAMERICANO COME-E		32,752	61,741
TWO Sigma All Cap Fund	BANCORPSOUTH INC		800	1,507
TWO Sigma All Cap Fund	BANK MUTUAL CORP		11,742	22,135
TWO Sigma All Cap Fund	BANK OF AMERICA CORP		313	590
TWO Sigma All Cap Fund	BANK OF HAWAII CORP		2,893	5,454
TWO Sigma All Cap Fund	BANK OF MARIN BANCORP/CA		9,101	17,156
TWO Sigma All Cap Fund	BANK OF MONTREAL		89,520	168,752
TWO Sigma All Cap Fund	BANK OF NEW YORK MELLON CORP		864,341	1,629,359
TWO Sigma All Cap Fund	BANK OF NOVA SCOTIA		152,950	288,324
TWO Sigma All Cap Fund	BANKFINANCIAL CORP		5,496	10,360
TWO Sigma All Cap Fund	BANKRATE INC		37,492	70,675
TWO Sigma All Cap Fund	BANKUNITED INC		1,278	2,409
TWO Sigma All Cap Fund	BANNER CORPORATION		2,395	4,516
TWO Sigma All Cap Fund	BARNES & NOBLE EDUCATION INC		11,323	21,345
TWO Sigma All Cap Fund	BARNES GROUP INC		407	767
TWO Sigma All Cap Fund	BARRACUDA NETWORKS INC		46,910	88,429
TWO Sigma All Cap Fund	BARRETT BUSINESS SVCS INC		193	363
TWO Sigma All Cap Fund	BARRICK GOLD CORP		15,089	28,445
TWO Sigma All Cap Fund	BASSETT FURNITURE INDS		7,829	14,758
TWO Sigma All Cap Fund	BAXTER INTERNATIONAL INC		2,470,554	4,657,213
TWO Sigma All Cap Fund	BAYTEX ENERGY CORP		2,304	4,343
TWO Sigma All Cap Fund	BAZAARVOICE INC		16,472	31,052
TWO Sigma All Cap Fund	BB&T CORP		78,284	147,572
TWO Sigma All Cap Fund	BCE INC		76,092	143,440
TWO Sigma All Cap Fund	BEACON ROOFING SUPPLY INC		989	1,864
TWO Sigma All Cap Fund	BEBE STORES INC		20	37
TWO Sigma All Cap Fund	BECTON DICKINSON AND CO		88,607	167,031
TWO Sigma All Cap Fund	BED BATH & BEYOND INC		1,029	1,940
TWO Sigma All Cap Fund	BEL FUSE INC-CL B		2,653	5,000
TWO Sigma All Cap Fund	BELDEN INC		55,423	104,477
TWO Sigma All Cap Fund	BEMIS COMPANY		3,859	7,274
TWO Sigma All Cap Fund	BENCHMARK ELECTRONICS INC		484	913
TWO Sigma All Cap Fund	BENEFICIAL BANCORP INC		92,614	174,585
TWO Sigma All Cap Fund	BERKSHIRE HATHAWAY INC-CL B		979	1,846
TWO Sigma All Cap Fund	BERRY PLASTICS GROUP INC		1,087,602	2,050,227
TWO Sigma All Cap Fund	BEST BUY CO INC		1,355	2,555
TWO Sigma All Cap Fund	BIG 5 SPORTING GOODS CORP		32,021	60,363
TWO Sigma All Cap Fund	BIG LOTS INC		690	1,300
TWO Sigma All Cap Fund	BILL BARRETT CORP		36,302	68,433
TWO Sigma All Cap Fund	BIOGEN INC		1,335,098	2,516,778
TWO Sigma All Cap Fund	BIOMARIN PHARMACEUTICAL INC		3,200	6,032
TWO Sigma All Cap Fund	BIO-RAD LABORATORIES-A		7,589	14,306
TWO Sigma All Cap Fund	BIOSPECIFICS TECHNOLOGIES		21,516	40,560
TWO Sigma All Cap Fund	BIO-TECHNE CORP		1,368	2,579
TWO Sigma All Cap Fund	BIOTELEMETRY INC		16,528	31,158
TWO Sigma All Cap Fund	BJ'S RESTAURANTS INC		422	795
TWO Sigma All Cap Fund	BLACK BOX CORP		11,749	22,148
TWO Sigma All Cap Fund	BLACKHAWK NETWORK HOLDINGS I		5,870	11,065
TWO Sigma All Cap Fund	BLACKROCK CAPITAL INVESTMENT		19,537	36,829
TWO Sigma All Cap Fund	BLACKROCK INC		8,167	15,395
TWO Sigma All Cap Fund	BLACKSTONE MORTGAGE TRU-CL A		275,744	519,803
TWO Sigma All Cap Fund	BLOOMIN' BRANDS INC		232	438

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TWO Sigma All Cap Fund	BLUE BUFFALO PET PRODUCTS INC		7,223	13,616
TWO Sigma All Cap Fund	BNC BANCORP		8,215	15,486
TWO Sigma All Cap Fund	BOEING CO/THE		1,308,526	2,466,688
TWO Sigma All Cap Fund	BOFI HOLDING INC		7,769	14,645
TWO Sigma All Cap Fund	BOINGO WIRELESS INC		14,650	27,616
TWO Sigma All Cap Fund	BOISE CASCADE LLC		16,485	31,076
TWO Sigma All Cap Fund	BOJANGLES' INC		35,221	66,395
TWO Sigma All Cap Fund	BOK FINANCIAL CORPORATION		2,780	5,241
TWO Sigma All Cap Fund	BOOZ ALLEN HAMILTON HOLDINGS		416,456	785,056
TWO Sigma All Cap Fund	BORGWARNER INC		474	894
TWO Sigma All Cap Fund	BOSTON BEER COMPANY INC-A		29,161	54,970
TWO Sigma All Cap Fund	BOSTON PRIVATE FINL HOLDING		710	1,339
TWO Sigma All Cap Fund	BOSTON PROPERTIES INC		54	102
TWO Sigma All Cap Fund	BOSTON SCIENTIFIC CORP		1,130,621	2,131,321
TWO Sigma All Cap Fund	BOTTOMLINE TECHNOLOGIES (DE)		15,142	28,544
TWO Sigma All Cap Fund	BOX INC - CLASS A		11,303	21,307
TWO Sigma All Cap Fund	BOYD GAMING CORP		51,077	96,285
TWO Sigma All Cap Fund	BP PRUDHOE BAY ROYALTY TRUST		989	1,864
TWO Sigma All Cap Fund	BRADY CORPORATION - CL A		12,893	24,305
TWO Sigma All Cap Fund	BRANDYWINE REALTY TRUST		666	1,256
TWO Sigma All Cap Fund	BRAVO BRIO RESTAURANT GROUP		7,503	14,143
TWO Sigma All Cap Fund	BRIDGE BANCORP INC		13,014	24,532
TWO Sigma All Cap Fund	BRIDGEPOINT EDUCATION INC		9,144	17,237
TWO Sigma All Cap Fund	BRIGHTCOVE		23,416	44,140
TWO Sigma All Cap Fund	BRINKER INTERNATIONAL INC		191	361
TWO Sigma All Cap Fund	BRINK'S CO/THE		51,698	97,456
TWO Sigma All Cap Fund	BRISTOL-MYERS SQUIBB CO		2,107	3,972
TWO Sigma All Cap Fund	BRISTOW GROUP INC		2,611	4,921
TWO Sigma All Cap Fund	BRIXMOR PROPERTY GROUP INC		21	40
TWO Sigma All Cap Fund	BROADCOM LTD		910	1,716
TWO Sigma All Cap Fund	BROADRIDGE FINANCIAL SOLUTIO		285	536
TWO Sigma All Cap Fund	BROCADE COMMUNICATIONS SYS		5	10
TWO Sigma All Cap Fund	BROOKDALE SENIOR LIVING INC		197	372
TWO Sigma All Cap Fund	BROOKLINE BANCORP INC		70	133
TWO Sigma All Cap Fund	BROOKS AUTOMATION INC		6,594	12,430
TWO Sigma All Cap Fund	BROWN & BROWN INC		1,213	2,287
TWO Sigma All Cap Fund	BROWN-FORMAN CORP-CLASS B		1,639	3,089
TWO Sigma All Cap Fund	BRUKER CORP		160,241	302,069
TWO Sigma All Cap Fund	BRYN MAWR BANK CORP		18,091	34,104
TWO Sigma All Cap Fund	BUNGE LTD		192,238	362,386
TWO Sigma All Cap Fund	BURLINGTON STORES INC		1,040,815	1,962,028
TWO Sigma All Cap Fund	BWX TECHNOLOGIES INC		132,960	250,642
TWO Sigma All Cap Fund	C.H. ROBINSON WORLDWIDE INC		2,107	3,971
TWO Sigma All Cap Fund	CA INC		1,214	2,288
TWO Sigma All Cap Fund	CABOT CORP		651	1,227
TWO Sigma All Cap Fund	CABOT MICROELECTRONICS CORP		298	562
TWO Sigma All Cap Fund	CACI INTERNATIONAL INC -CL A		3,788	7,141
TWO Sigma All Cap Fund	CADENCE DESIGN SYS INC		271	510
TWO Sigma All Cap Fund	CAESARS ACQUISITION CO-CL A		8,692	16,384
TWO Sigma All Cap Fund	CAESARS ENTERTAINMENT CORP		53,553	100,953
TWO Sigma All Cap Fund	CAESARSTONE LTD		11,190	21,094
TWO Sigma All Cap Fund	CAI INTERNATIONAL INC		242	456
TWO Sigma All Cap Fund	CALAMOS ASSET MANAGEMENT-A		3,306	6,233
TWO Sigma All Cap Fund	CALGON CARBON CORP		9,486	17,881
TWO Sigma All Cap Fund	CALIFORNIA RESOURCES CORP		384	723
TWO Sigma All Cap Fund	CALIX INC		3,305	6,230
TWO Sigma All Cap Fund	CALLAWAY GOLF COMPANY		56,450	106,413
TWO Sigma All Cap Fund	CALPINE CORP		186	351
TWO Sigma All Cap Fund	CAMECO CORP		123,580	232,960
TWO Sigma All Cap Fund	CAMPBELL SOUP CO		2,310	4,354
TWO Sigma All Cap Fund	CAN IMPERIAL BK OF COMMERCE		802,040	1,511,917
TWO Sigma All Cap Fund	CANADIAN SOLAR INC		523	985
TWO Sigma All Cap Fund	CANTEL MEDICAL CORP		304	573
TWO Sigma All Cap Fund	CAPELLA EDUCATION CO		50,799	95,761
TWO Sigma All Cap Fund	CAPITAL BANK FINANCIAL-CL A		1,685	3,176
TWO Sigma All Cap Fund	CAPITAL ONE FINANCIAL CORP		1,985	3,741
TWO Sigma All Cap Fund	CAPITAL PRODUCT PARTNERS LP		53,913	101,631
TWO Sigma All Cap Fund	CAPITAL SENIOR LIVING CORP		682	1,286
TWO Sigma All Cap Fund	CAPITALA FINANCE CORP		6,304	11,884
TWO Sigma All Cap Fund	CAPITOL FEDERAL FINANCIAL IN		11,177	21,069
TWO Sigma All Cap Fund	CARBO CERAMICS INC		1,886	3,555
TWO Sigma All Cap Fund	CARBONITE INC		55,024	103,726
TWO Sigma All Cap Fund	CARDINAL FINANCIAL CORP		2,815	5,306
TWO Sigma All Cap Fund	CARDINAL HEALTH INC		1,116,560	2,104,815
TWO Sigma All Cap Fund	CARDIOVASCULAR SYSTEMS INC		8,313	15,671
TWO Sigma All Cap Fund	CARDTRONICS PLC - A		5,153	9,714
TWO Sigma All Cap Fund	CAREER EDUCATION CORP		3,698	6,972
TWO Sigma All Cap Fund	CARETRUST REIT INC		86,336	162,752
TWO Sigma All Cap Fund	CARLISLE COS INC		2,225	4,194
TWO Sigma All Cap Fund	CARMAX INC		1,575	2,970
TWO Sigma All Cap Fund	CARNIVAL CORP		64,554	121,690
TWO Sigma All Cap Fund	CARPENTER TECHNOLOGY		15,913	29,997
TWO Sigma All Cap Fund	CARRIAGE SERVICES INC		12,293	23,173
TWO Sigma All Cap Fund	CARRIZO OIL & GAS INC		262,732	495,274
TWO Sigma All Cap Fund	CARROLS RESTAURANT GROUP INC		69,899	131,766
TWO Sigma All Cap Fund	CASCADE BANCORP		345	650
TWO Sigma All Cap Fund	CASELLA WASTE SYSTEMS INC-A		57,207	107,840
TWO Sigma All Cap Fund	CASS INFORMATION SYSTEMS INC		1,547	2,917
TWO Sigma All Cap Fund	CATALENT INC		10,414	19,632

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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	CATCHMARK TIMBER TRUST INC-A		4,350	8,199	
TWO Sigma All Cap Fund	CATERPILLAR INC		1,473	2,776	
TWO Sigma All Cap Fund	CATHAY GENERAL BANCORP		1,632	3,077	
TWO Sigma All Cap Fund	CATO CORP-CLASS A		90	170	
TWO Sigma All Cap Fund	CAVIUM INC		375	707	
TWO Sigma All Cap Fund	CBIZ INC		18,229	34,362	
TWO Sigma All Cap Fund	CBOE HOLDINGS INC		1,078	2,033	
TWO Sigma All Cap Fund	CBRE GROUP INC - A		297	561	
TWO Sigma All Cap Fund	CBS CORP-CLASS B NON VOTING		1,611	3,037	
TWO Sigma All Cap Fund	CDI CORP		5,082	9,580	
TWO Sigma All Cap Fund	CDK GLOBAL INC		181,899	342,896	
TWO Sigma All Cap Fund	CDW CORP/DE		37,583	70,847	
TWO Sigma All Cap Fund	CECO ENVIRONMENTAL CORP		60	113	
TWO Sigma All Cap Fund	CEDAR REALTY TRUST INC		7,007	13,209	
TWO Sigma All Cap Fund	CELANESE CORP-SERIES A		1,099,453	2,072,566	
TWO Sigma All Cap Fund	CELESTICA INC		19,327	36,434	
TWO Sigma All Cap Fund	CELGENE CORP		2,094,904	3,949,080	
TWO Sigma All Cap Fund	CENTENE CORP		1,746	3,292	
TWO Sigma All Cap Fund	CENTERPOINT ENERGY INC		446,921	842,485	
TWO Sigma All Cap Fund	CENTERSTATE BANKS INC		22,687	42,767	
TWO Sigma All Cap Fund	CENTRAL GARDEN AND PET CO-A		79,934	150,682	
TWO Sigma All Cap Fund	CENTRAL PACIFIC FINANCIAL CO		52,271	98,535	
TWO Sigma All Cap Fund	CENTURYLINK INC		5,695	10,736	
TWO Sigma All Cap Fund	CERNER CORP		64,695	121,957	
TWO Sigma All Cap Fund	CEVA INC		16,056	30,267	
TWO Sigma All Cap Fund	CF INDUSTRIES HOLDINGS INC		1,216	2,292	
TWO Sigma All Cap Fund	CHANNELADVISOR CORP		616	1,161	
TWO Sigma All Cap Fund	CHARLES RIVER LABORATORIES		19,098	36,001	
TWO Sigma All Cap Fund	CHART INDUSTRIES INC		75,136	141,639	
TWO Sigma All Cap Fund	CHARTER COMMUNICATIONS INC-A		1,487,883	2,804,791	
TWO Sigma All Cap Fund	CHARTER FINANCIAL CORP		7,799	14,702	
TWO Sigma All Cap Fund	CHATHAM LODGING TRUST		291	549	
TWO Sigma All Cap Fund	CHECK POINT SOFTWARE TECH		906	1,708	
TWO Sigma All Cap Fund	CHEESECAKE FACTORY INC/THE		79,673	150,192	
TWO Sigma All Cap Fund	CHEGG INC		317	597	
TWO Sigma All Cap Fund	CHEMED CORP		4,269	8,047	
TWO Sigma All Cap Fund	CHEMICAL FINANCIAL CORP		1,465	2,761	
TWO Sigma All Cap Fund	CHEMOURS CO/THE		293,009	552,348	
TWO Sigma All Cap Fund	CHESAPEAKE ENERGY CORP		3,818	7,196	
TWO Sigma All Cap Fund	CHESAPEAKE LODGING TRUST		101,004	190,402	
TWO Sigma All Cap Fund	CHEVRON CORP		475,022	895,458	
TWO Sigma All Cap Fund	CHICAGO BRIDGE & IRON CO NV		333,014	627,760	
TWO Sigma All Cap Fund	CHICO'S FAS INC		154	291	
TWO Sigma All Cap Fund	CHIMERA INVESTMENT CORP		109,665	206,728	
TWO Sigma All Cap Fund	CHIMERIX INC		197	372	
TWO Sigma All Cap Fund	CHINA CORD BLOOD CORP		788	1,486	
TWO Sigma All Cap Fund	CHIPOTLE MEXICAN GRILL INC		15,709	29,613	
TWO Sigma All Cap Fund	CHOICE HOTELS INTL INC		82,252	155,052	
TWO Sigma All Cap Fund	CHUBB LTD		2,835	5,345	
TWO Sigma All Cap Fund	CHURCH & DWIGHT CO INC		266	501	
TWO Sigma All Cap Fund	CHURCHILL DOWNS INC		207,349	390,872	
TWO Sigma All Cap Fund	CIBER INC		1,681	3,169	
TWO Sigma All Cap Fund	CIENA CORP		27,240	51,350	
TWO Sigma All Cap Fund	CIGNA CORP		704,262	1,327,596	
TWO Sigma All Cap Fund	CIMAREX ENERGY CO		77,345	145,803	
TWO Sigma All Cap Fund	CIMPRESS NV		2,399	4,521	
TWO Sigma All Cap Fund	CINCINNATI BELL INC		3,473	6,546	
TWO Sigma All Cap Fund	CINCINNATI FINANCIAL CORP		2,731	5,148	
TWO Sigma All Cap Fund	CINTAS CORP		4,315	8,134	
TWO Sigma All Cap Fund	CISCO SYSTEMS INC		4,606,546	8,683,749	
TWO Sigma All Cap Fund	CIT GROUP INC		366	691	
TWO Sigma All Cap Fund	CITI TRENDS INC		1,617	3,049	
TWO Sigma All Cap Fund	CITIGROUP INC		2,143	4,039	
TWO Sigma All Cap Fund	CITIZENS & NORTHERN CORP		832	1,569	
TWO Sigma All Cap Fund	CITIZENS INC		8,851	16,685	
TWO Sigma All Cap Fund	CITRIX SYSTEMS INC		255,258	481,184	
TWO Sigma All Cap Fund	CIVEO CORP		472	890	
TWO Sigma All Cap Fund	CIVITAS SOLUTIONS INC		8,541	16,101	
TWO Sigma All Cap Fund	CLEAN ENERGY FUELS CORP		123	231	
TWO Sigma All Cap Fund	CLEAR CHANNEL OUTDOOR-CL A		6,661	12,556	
TWO Sigma All Cap Fund	CLEARWATER PAPER CORP		51,008	96,155	
TWO Sigma All Cap Fund	CLIFFS NATURAL RESOURCES INC		40,219	75,816	
TWO Sigma All Cap Fund	CLIFTON BANCORP INC		1,416	2,670	
TWO Sigma All Cap Fund	CLOROX COMPANY		2,318	4,370	
TWO Sigma All Cap Fund	CLOUD PEAK ENERGY INC		17,577	33,135	
TWO Sigma All Cap Fund	CME GROUP INC		4,208	7,933	
TWO Sigma All Cap Fund	CMS ENERGY CORP		1,697	3,199	
TWO Sigma All Cap Fund	CNA FINANCIAL CORP		5,344	10,073	
TWO Sigma All Cap Fund	CNB FINANCIAL CORP/PA		5,739	10,818	
TWO Sigma All Cap Fund	CNO FINANCIAL GROUP INC		126,891	239,200	
TWO Sigma All Cap Fund	COACH INC		646	1,218	
TWO Sigma All Cap Fund	COBALT INTERNATIONAL ENERGY		45	85	
TWO Sigma All Cap Fund	COCA-COLA CO/THE		1,495	2,818	
TWO Sigma All Cap Fund	COCA-COLA EUROPEAN PARTNERS		1,011	1,905	
TWO Sigma All Cap Fund	COEUR MINING INC		4,292	8,090	
TWO Sigma All Cap Fund	COGNIZANT TECH SOLUTIONS-A		490,088	923,859	
TWO Sigma All Cap Fund	COHU INC		15,512	29,241	
TWO Sigma All Cap Fund	COLGATE-PALMOLIVE CO		3,201,530	6,035,168	
TWO Sigma All Cap Fund	COLLECTORS UNIVERSE		6,378	12,024	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	COLLIERS INTERNATIONAL GROUP		12,666	23,877	
TWO Sigma All Cap Fund	COLONY CAPITAL INC - A		137,595	259,379	
TWO Sigma All Cap Fund	COLUMBIA BANKING SYSTEM INC		748	1,410	
TWO Sigma All Cap Fund	COLUMBIA PROPERTY TRUST INC		6,490	12,234	
TWO Sigma All Cap Fund	COLUMBUS MCKINNON CORP/NY		1,207	2,275	
TWO Sigma All Cap Fund	COMCAST CORP-CLASS A		252,003	475,049	
TWO Sigma All Cap Fund	COMERICA INC		468	882	
TWO Sigma All Cap Fund	COMFORT SYSTEMS USA INC		97,190	183,213	
TWO Sigma All Cap Fund	COMMERCE BANCSHARES INC		1,662	3,134	
TWO Sigma All Cap Fund	COMMERCEHUB INC-SERIES C		10,096	19,032	
TWO Sigma All Cap Fund	COMMERCIAL METALS CO		439	828	
TWO Sigma All Cap Fund	COMMERCIAL VEHICLE GROUP INC		3,370	6,354	
TWO Sigma All Cap Fund	COMMSCOPE HOLDING CO INC		563,622	1,062,478	
TWO Sigma All Cap Fund	COMMUNICATIONS SALES & LE		185	350	
TWO Sigma All Cap Fund	COMMUNITY BANK SYSTEM INC		928	1,750	
TWO Sigma All Cap Fund	COMMUNITY HEALTH SYSTEMS INC		70,119	132,181	
TWO Sigma All Cap Fund	COMMUNITY HEALTHCARE TRUST I		25,483	48,037	
TWO Sigma All Cap Fund	COMMUNITY TRUST BANCORP INC		17,457	32,908	
TWO Sigma All Cap Fund	COMMVAULT SYSTEMS INC		118,249	222,910	
TWO Sigma All Cap Fund	COMPASS DIVERSIFIED HOLDINGS		76,122	143,496	
TWO Sigma All Cap Fund	COMPASS MINERALS INTERNATION		2,858	5,388	
TWO Sigma All Cap Fund	COMPUTER SCIENCES CORP		1,199	2,260	
TWO Sigma All Cap Fund	COMSCORE INC		556	1,048	
TWO Sigma All Cap Fund	COMTECH TELECOMMUNICATIONS		28,579	53,874	
TWO Sigma All Cap Fund	CONAGRA BRANDS INC		503,792	949,693	
TWO Sigma All Cap Fund	CONCERT PHARMACEUTICALS INC		442	833	
TWO Sigma All Cap Fund	CONCHO RESOURCES INC		1,841,487	3,471,367	
TWO Sigma All Cap Fund	CONCORDIA INTERNATIONAL CORP		2,912	5,489	
TWO Sigma All Cap Fund	CONNECTICUT WATER SVC INC		312	587	
TWO Sigma All Cap Fund	CONNECTONE BANCORP INC		423	798	
TWO Sigma All Cap Fund	CONN'S INC		510	962	
TWO Sigma All Cap Fund	CONOCOPHILLIPS		387	730	
TWO Sigma All Cap Fund	CONS TOMOKA LAND CO-FLORIDA		2,293	4,322	
TWO Sigma All Cap Fund	CONSOL ENERGY INC		391,656	738,306	
TWO Sigma All Cap Fund	CONSOLIDATED COMMUNICATIONS		3,411	6,430	
TWO Sigma All Cap Fund	CONSOLIDATED EDISON INC		12,776	24,084	
TWO Sigma All Cap Fund	CONSOLIDATED WATER CO-ORD SH		466	878	
TWO Sigma All Cap Fund	CONSTELLATION BRANDS INC-A		3,277,611	6,178,588	
TWO Sigma All Cap Fund	CONSUMER PORTFOLIO SERVICES		1,319	2,486	
TWO Sigma All Cap Fund	CONTAINER STORE GROUP INC/TH		25,620	48,295	
TWO Sigma All Cap Fund	CONTANGO OIL & GAS		132	249	
TWO Sigma All Cap Fund	CONTINENTAL BUILDING PRODUCT		95,449	179,931	
TWO Sigma All Cap Fund	CONTINENTAL RESOURCES INC/OK		531	1,001	
TWO Sigma All Cap Fund	CONVERGYS CORP		18,026	33,980	
TWO Sigma All Cap Fund	COOPER COS INC/THE		24,327	45,858	
TWO Sigma All Cap Fund	COOPER-STANDARD HOLDING		248,305	468,076	
TWO Sigma All Cap Fund	COPA HOLDINGS SA-CLASS A		21,403	40,346	
TWO Sigma All Cap Fund	COPART INC		1,974	3,721	
TWO Sigma All Cap Fund	CORCEPT THERAPEUTICS INC		28,045	52,867	
TWO Sigma All Cap Fund	CORECIVIC INC		403,320	760,295	
TWO Sigma All Cap Fund	CORELOGIC INC		396,871	748,138	
TWO Sigma All Cap Fund	CORNERSTONE ONDEMAND INC		58,729	110,710	
TWO Sigma All Cap Fund	CORNING INC		1,021	1,924	
TWO Sigma All Cap Fund	CORPORATE OFFICE PROPERTIES		1,072	2,021	
TWO Sigma All Cap Fund	CORVEL CORP		12,065	22,743	
TWO Sigma All Cap Fund	COSAN LTD-CLASS A SHARES		58,665	110,589	
TWO Sigma All Cap Fund	COSTAMARE INC		32,929	62,074	
TWO Sigma All Cap Fund	COSTAR GROUP INC		5,744	10,828	
TWO Sigma All Cap Fund	COSTCO WHOLESALE CORP		452,321	852,665	
TWO Sigma All Cap Fund	COTT CORPORATION		51,124	96,374	
TWO Sigma All Cap Fund	COTY INC		629	1,185	
TWO Sigma All Cap Fund	COUSINS PROPERTIES INC		154,289	290,848	
TWO Sigma All Cap Fund	COVANTA HOLDING CORP		55,581	104,775	
TWO Sigma All Cap Fund	COVENANT TRANSPORT GRP-CL A		3,354	6,322	
TWO Sigma All Cap Fund	COWEN GROUP INC-CLASS A		146	276	
TWO Sigma All Cap Fund	CPI CARD GROUP INC		356	672	
TWO Sigma All Cap Fund	CR BARD INC		44,067	83,070	
TWO Sigma All Cap Fund	CRA INTERNATIONAL INC		18,851	35,536	
TWO Sigma All Cap Fund	CRACKER BARREL OLD COUNTRY		5,949	11,214	
TWO Sigma All Cap Fund	CRANE CO		40,148	75,683	
TWO Sigma All Cap Fund	CRAWFORD & CO -CL B		5,930	11,179	
TWO Sigma All Cap Fund	CRAY INC		9,773	18,423	
TWO Sigma All Cap Fund	CREDICORP LTD		109,289	206,020	
TWO Sigma All Cap Fund	CREE INC		18,112	34,142	
TWO Sigma All Cap Fund	CROCS INC		4,711	8,881	
TWO Sigma All Cap Fund	CROSS COUNTRY HEALTHCARE INC		3,276	6,176	
TWO Sigma All Cap Fund	CROSS TIMBERS ROYALTY TRUST		6,170	11,632	
TWO Sigma All Cap Fund	CROWN CASTLE INTL CORP		708	1,334	
TWO Sigma All Cap Fund	CROWN HOLDINGS INC		225,298	424,706	
TWO Sigma All Cap Fund	CRYOLIFE INC		57,815	108,987	
TWO Sigma All Cap Fund	CSG SYSTEMS INTL INC		78,940	148,810	
TWO Sigma All Cap Fund	CSRA INC		272,583	513,844	
TWO Sigma All Cap Fund	CSS INDUSTRIES INC		6,971	13,141	
TWO Sigma All Cap Fund	CST BRANDS INC		207	390	
TWO Sigma All Cap Fund	CSX CORP		139	262	
TWO Sigma All Cap Fund	CU BANCORP		7,683	14,483	
TWO Sigma All Cap Fund	CULLEN/FROST BANKERS INC		1,363	2,570	
TWO Sigma All Cap Fund	CULP INC		25,512	48,093	
TWO Sigma All Cap Fund	CUMMINS INC		109,049	205,568	

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TWO Sigma All Cap Fund		CURTISS-WRIGHT CORP		8,443	15,917
TWO Sigma All Cap Fund		CUTERA INC		4,468	8,423
TWO Sigma All Cap Fund		CVR ENERGY INC		16,325	30,773
TWO Sigma All Cap Fund		CVS HEALTH CORP		3,846,266	7,250,552
TWO Sigma All Cap Fund		CYNOSURE INC-A		646	1,218
TWO Sigma All Cap Fund		CYPRESS SEMICONDUCTOR CORP		196	370
TWO Sigma All Cap Fund		CYS INVESTMENTS INC		32,514	61,293
TWO Sigma All Cap Fund		DAKTRONICS INC		19,711	37,157
TWO Sigma All Cap Fund		DANAHER CORP		779,616	1,469,646
TWO Sigma All Cap Fund		DARDEN RESTAURANTS INC		1,748	3,295
TWO Sigma All Cap Fund		DARLING INGREDIENTS INC		11,636	21,936
TWO Sigma All Cap Fund		DATALINK CORP		7,733	14,577
TWO Sigma All Cap Fund		DAVE & BUSTER'S ENTERTAINMEN		337,289	635,819
TWO Sigma All Cap Fund		DAVITA INC		744	1,402
TWO Sigma All Cap Fund		DAWSON GEOPHYSICAL CO		6,729	12,685
TWO Sigma All Cap Fund		DDR CORP		813,619	1,533,744
TWO Sigma All Cap Fund		DEAN FOODS CO		32,083	60,479
TWO Sigma All Cap Fund		DECKERS OUTDOOR CORP		24	45
TWO Sigma All Cap Fund		DEERE & CO		3,317	6,253
TWO Sigma All Cap Fund		DEL FRISCO'S RESTAURANT GROU		27,727	52,268
TWO Sigma All Cap Fund		DELL TECHNOLOGIES INC-CL V		523,780	987,372
TWO Sigma All Cap Fund		DELPHI AUTOMOTIVE PLC		274,620	517,682
TWO Sigma All Cap Fund		DELTA AIR LINES INC		88,167	166,203
TWO Sigma All Cap Fund		DELUXE CORP		1,260	2,376
TWO Sigma All Cap Fund		DENBURY RESOURCES INC		117	220
TWO Sigma All Cap Fund		DENNY'S CORP		8,260	15,571
TWO Sigma All Cap Fund		DENTSPLY SIRONA INC		2,304	4,344
TWO Sigma All Cap Fund		DESTINATION MATERNITY CORP		2,219	4,183
TWO Sigma All Cap Fund		DESTINATION XL GROUP INC		182	344
TWO Sigma All Cap Fund		DEVON ENERGY CORP		107,047	201,793
TWO Sigma All Cap Fund		DEVRY EDUCATION GROUP INC		7,231	13,632
TWO Sigma All Cap Fund		DEXCOM INC		1,153	2,174
TWO Sigma All Cap Fund		DHI GROUP INC		9,587	18,073
TWO Sigma All Cap Fund		DIAMOND HILL INVESTMENT GRP		9,030	17,022
TWO Sigma All Cap Fund		DIAMOND OFFSHORE DRILLING		58,300	109,900
TWO Sigma All Cap Fund		DIAMONDBACK ENERGY INC		1,171	2,208
TWO Sigma All Cap Fund		DICK'S SPORTING GOODS INC		1,527	2,879
TWO Sigma All Cap Fund		DIEBOLD NIXDORF INC		281	529
TWO Sigma All Cap Fund		DIGI INTERNATIONAL INC		17,315	32,641
TWO Sigma All Cap Fund		DIGIRAD CORP		5,580	10,518
TWO Sigma All Cap Fund		DIGITAL REALTY TRUST INC		1,729	3,260
TWO Sigma All Cap Fund		DIGITALGLOBE INC		996	1,878
TWO Sigma All Cap Fund		DILLARDS INC-CL A		2,126	4,007
TWO Sigma All Cap Fund		DIME COMMUNITY BANCSHARES		8,023	15,125
TWO Sigma All Cap Fund		DIPLOMAT PHARMACY INC		8,112	15,292
TWO Sigma All Cap Fund		DISCOVER FINANCIAL SERVICES		2,011	3,791
TWO Sigma All Cap Fund		DISCOVERY COMMUNICATIONS-A		1,176	2,218
TWO Sigma All Cap Fund		DISH NETWORK CORP-A		73,722	138,973
TWO Sigma All Cap Fund		DMC GLOBAL INC		2,041	3,847
TWO Sigma All Cap Fund		DOLBY LABORATORIES INC-CL A		454,817	857,371
TWO Sigma All Cap Fund		DOLLAR GENERAL CORP		1,144	2,157
TWO Sigma All Cap Fund		DOLLAR TREE INC		2,683	5,058
TWO Sigma All Cap Fund		DOMINION DIAMOND CORP		8,725	16,447
TWO Sigma All Cap Fund		DOMINION RESOURCES INC/VA		33	62
TWO Sigma All Cap Fund		DOMINO'S PIZZA INC		847,509	1,597,629
TWO Sigma All Cap Fund		DOMTAR CORP		23,185	43,706
TWO Sigma All Cap Fund		DONALDSON CO INC		124,333	234,379
TWO Sigma All Cap Fund		DONEGAL GROUP INC-CL A		735	1,386
TWO Sigma All Cap Fund		DOUGLAS DYNAMICS INC		1,141	2,151
TWO Sigma All Cap Fund		DOUGLAS EMMETT INC		455	858
TWO Sigma All Cap Fund		DOVER CORP		3,377	6,366
TWO Sigma All Cap Fund		DOW CHEMICAL CO/THE		3,976,638	7,496,316
TWO Sigma All Cap Fund		DR HORTON INC		1,971	3,715
TWO Sigma All Cap Fund		DR PEPPER SNAPPLE GROUP INC		467	880
TWO Sigma All Cap Fund		DREW INDUSTRIES INC		925	1,744
TWO Sigma All Cap Fund		DRIL-QUIP INC		18,042	34,011
TWO Sigma All Cap Fund		DRIVE SHACK INC		52,801	99,535
TWO Sigma All Cap Fund		DSP GROUP INC		16,725	31,528
TWO Sigma All Cap Fund		DST SYSTEMS INC		11,589	21,847
TWO Sigma All Cap Fund		DSW INC-CLASS A		894	1,686
TWO Sigma All Cap Fund		DTE ENERGY COMPANY		972	1,833
TWO Sigma All Cap Fund		DU PONT (E.I.) DE NEMOURS		3,309,217	6,238,169
TWO Sigma All Cap Fund		DUCOMMUN INC		29,621	55,838
TWO Sigma All Cap Fund		DUKE ENERGY CORP		702,687	1,324,627
TWO Sigma All Cap Fund		DUKE REALTY CORP		1,129	2,127
TWO Sigma All Cap Fund		DUN & BRADSTREET CORP		1,302	2,454
TWO Sigma All Cap Fund		DUNKIN' BRANDS GROUP INC		90	170
TWO Sigma All Cap Fund		DUPONT FABROS TECHNOLOGY		1,886	3,554
TWO Sigma All Cap Fund		DXP ENTERPRISES INC		19,637	37,018
TWO Sigma All Cap Fund		DYCOM INDUSTRIES INC		1,861	3,508
TWO Sigma All Cap Fund		DYNEX CAPITAL INC		35,217	66,388
TWO Sigma All Cap Fund		E*TRADE FINANCIAL CORP		515,811	972,349
TWO Sigma All Cap Fund		EAGLE BANCORP INC		1,256	2,367
TWO Sigma All Cap Fund		EARTHLINK HOLDINGS CORP		23,070	43,488
TWO Sigma All Cap Fund		EAST WEST BANCORP INC		400,643	755,248
TWO Sigma All Cap Fund		EASTERLY GOVERNMENT PROPERTI		6,874	12,959
TWO Sigma All Cap Fund		EASTGROUP PROPERTIES INC		2,060	3,883
TWO Sigma All Cap Fund		EASTMAN CHEMICAL CO		410,613	774,043
TWO Sigma All Cap Fund		EASTMAN KODAK CO		4,677	8,816

IBM
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(a)	(b)	(c)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	EATON CORP PLC		1,511,891	2,850,049	
TWO Sigma All Cap Fund	EATON VANCE CORP		539	1,017	
TWO Sigma All Cap Fund	EBAY INC		271,508	511,817	
TWO Sigma All Cap Fund	ECHO GLOBAL LOGISTICS INC		1,011	1,905	
TWO Sigma All Cap Fund	ECHOSTAR CORP-A		106,690	201,121	
TWO Sigma All Cap Fund	ECOLAB INC		453	854	
TWO Sigma All Cap Fund	EDGEWELL PERSONAL CARE CO		150,719	284,119	
TWO Sigma All Cap Fund	EDISON INTERNATIONAL		4,295	8,096	
TWO Sigma All Cap Fund	EDWARDS LIFESCIENCES CORP		2,896	5,459	
TWO Sigma All Cap Fund	EHEALTH INC		23,377	44,067	
TWO Sigma All Cap Fund	EIGER BIOPHARMACEUTICALS INC		830	1,565	
TWO Sigma All Cap Fund	ELDORADO GOLD CORP		8,653	16,312	
TWO Sigma All Cap Fund	ELECTRO SCIENTIFIC INDS INC		13,111	24,716	
TWO Sigma All Cap Fund	ELECTRONIC ARTS INC		2,704	5,098	
TWO Sigma All Cap Fund	ELI LILLY & CO		2,936	5,534	
TWO Sigma All Cap Fund	ELLINGTON RESIDENTIAL MORTGA		11,726	22,105	
TWO Sigma All Cap Fund	EMC INS GROUP INC		1,932	3,642	
TWO Sigma All Cap Fund	EMCOR GROUP INC		1,579	2,977	
TWO Sigma All Cap Fund	EMCORE CORP		45,022	84,871	
TWO Sigma All Cap Fund	EMERSON ELECTRIC CO		1,144,619	2,157,709	
TWO Sigma All Cap Fund	EMPLOYERS HOLDINGS INC		76,485	144,182	
TWO Sigma All Cap Fund	ENBRIDGE ENERGY MANAGEMENT L		978	1,844	
TWO Sigma All Cap Fund	ENBRIDGE INC		147,158	277,405	
TWO Sigma All Cap Fund	ENCANA CORP		203,069	382,803	
TWO Sigma All Cap Fund	ENCORE CAPITAL GROUP INC		160	301	
TWO Sigma All Cap Fund	ENCORE WIRE CORP		59,540	112,238	
TWO Sigma All Cap Fund	ENDO INTERNATIONAL PLC		18,033	33,994	
TWO Sigma All Cap Fund	ENDURANCE SPECIALTY HOLDINGS		3,252	6,130	
TWO Sigma All Cap Fund	ENERGEN CORP		16,881	31,823	
TWO Sigma All Cap Fund	ENERGIZER HOLDINGS INC		358,931	676,617	
TWO Sigma All Cap Fund	ENERNOC INC		214	403	
TWO Sigma All Cap Fund	ENERSYS		17,230	32,480	
TWO Sigma All Cap Fund	ENGILITY HOLDINGS INC		25,067	47,253	
TWO Sigma All Cap Fund	ENNIS INC		29,914	56,390	
TWO Sigma All Cap Fund	ENOVA INTERNATIONAL INC		2,155	4,062	
TWO Sigma All Cap Fund	ENPRO INDUSTRIES INC		26,310	49,596	
TWO Sigma All Cap Fund	ENSCO PLC-CL A		23,959	45,166	
TWO Sigma All Cap Fund	ENSIGN GROUP INC/THE		8,579	16,173	
TWO Sigma All Cap Fund	ENTEGRIS INC		49,793	93,864	
TWO Sigma All Cap Fund	ENTERCOM COMMUNICATIONS-CL A		5,910	11,141	
TWO Sigma All Cap Fund	ENTERGY CORP		423,976	799,232	
TWO Sigma All Cap Fund	ENTERPRISE FINANCIAL SERVICE		15,134	28,529	
TWO Sigma All Cap Fund	ENVISION HEALTHCARE CORP		1,657	3,124	
TWO Sigma All Cap Fund	ENZO BIOCHEM INC		10,297	19,412	
TWO Sigma All Cap Fund	EOG RESOURCES INC		4,079	7,689	
TWO Sigma All Cap Fund	EPLUS INC		19,778	37,283	
TWO Sigma All Cap Fund	EPR PROPERTIES		89,980	169,620	
TWO Sigma All Cap Fund	EQT CORP		2,386	4,498	
TWO Sigma All Cap Fund	EQUIFAX INC		3,654	6,888	
TWO Sigma All Cap Fund	EQUINIX INC		6,136	11,567	
TWO Sigma All Cap Fund	EQUITY COMMONWEALTH		302,834	570,868	
TWO Sigma All Cap Fund	EQUITY LIFESTYLE PROPERTIES		3,095	5,834	
TWO Sigma All Cap Fund	EQUITY RESIDENTIAL		2,155	4,062	
TWO Sigma All Cap Fund	ERA GROUP INC		15,296	28,834	
TWO Sigma All Cap Fund	ERIE INDEMNITY COMPANY-CL A		2,558	4,822	
TWO Sigma All Cap Fund	ESSENDANT INC		44,853	84,551	
TWO Sigma All Cap Fund	ESSENT GROUP LTD		161,165	303,811	
TWO Sigma All Cap Fund	ESSEX PROPERTY TRUST INC		9,780	18,435	
TWO Sigma All Cap Fund	ESTEE LAUDER COMPANIES-CL A		591	1,114	
TWO Sigma All Cap Fund	ESTERLINE TECHNOLOGIES CORP		35,108	66,181	
TWO Sigma All Cap Fund	EURONAV NV		21,872	41,231	
TWO Sigma All Cap Fund	EURONET WORLDWIDE INC		167,780	316,281	
TWO Sigma All Cap Fund	EVERCORE PARTNERS INC-CL A		20,641	38,910	
TWO Sigma All Cap Fund	EVERSOURCE ENERGY		1,944	3,664	
TWO Sigma All Cap Fund	EVERTEC INC		30,878	58,207	
TWO Sigma All Cap Fund	EVINE LIVE INC		1,288	2,427	
TWO Sigma All Cap Fund	EVOLUTION PETROLEUM CORP		12,868	24,257	
TWO Sigma All Cap Fund	EW SCRIPPS CO/THE-A		158	297	
TWO Sigma All Cap Fund	EXACTECH INC		13,463	25,380	
TWO Sigma All Cap Fund	EXAR CORP		14,977	28,233	
TWO Sigma All Cap Fund	EXCO RESOURCES INC		20	37	
TWO Sigma All Cap Fund	EXELIXIS INC		316,425	596,489	
TWO Sigma All Cap Fund	EXELON CORP		632,994	1,193,250	
TWO Sigma All Cap Fund	EXLSERVICE HOLDINGS INC		346	653	
TWO Sigma All Cap Fund	EXPEDIA INC		2,084,721	3,929,885	
TWO Sigma All Cap Fund	EXPEDITORS INTL WASH INC		364	686	
TWO Sigma All Cap Fund	EXPRESS INC		22,297	42,032	
TWO Sigma All Cap Fund	EXPRESS SCRIPTS HOLDING CO		177	334	
TWO Sigma All Cap Fund	EXTREME NETWORKS INC		16,935	31,923	
TWO Sigma All Cap Fund	EXXON MOBIL CORP		349	657	
TWO Sigma All Cap Fund	EZCORP INC-CL A		2,286	4,308	
TWO Sigma All Cap Fund	F5 NETWORKS INC		1,167,706	2,201,230	
TWO Sigma All Cap Fund	FABRINET		129,729	244,550	
TWO Sigma All Cap Fund	FACEBOOK INC-A		268,186	505,555	
TWO Sigma All Cap Fund	FACTSET RESEARCH SYSTEMS INC		1,824	3,438	
TWO Sigma All Cap Fund	FAIRMOUNT SANTROL HOLDINGS I		35,033	66,040	
TWO Sigma All Cap Fund	FAIRPOINT COMMUNICATIONS INC		17,658	33,286	
TWO Sigma All Cap Fund	FARMER BROS CO		3,150	5,939	
TWO Sigma All Cap Fund	FARO TECHNOLOGIES INC		22,451	42,322	

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	Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
	TWO Sigma All Cap Fund	FASTENAL CO		363	684
	TWO Sigma All Cap Fund	FBL FINANCIAL GROUP INC-CL A		771	1,454
	TWO Sigma All Cap Fund	FBR & CO		89	168
	TWO Sigma All Cap Fund	FCB FINANCIAL HOLDINGS-CL A		49,341	93,012
	TWO Sigma All Cap Fund	FEDERAL REALTY INVS TRUST		244	460
	TWO Sigma All Cap Fund	FEDERAL SIGNAL CORP		36,180	68,202
	TWO Sigma All Cap Fund	FEDERATED INVESTORS INC-CL B		234,095	441,290
	TWO Sigma All Cap Fund	FEDEX CORP		1,039	1,959
	TWO Sigma All Cap Fund	FELCOR LODGING TRUST INC		85,045	160,318
	TWO Sigma All Cap Fund	FEMALE HEALTH COMPANY		31	58
	TWO Sigma All Cap Fund	FERROGLOBE PLC		418	789
	TWO Sigma All Cap Fund	FIDELITY NATIONAL INFO SERV		129,440	244,006
	TWO Sigma All Cap Fund	FIDELITY SOUTHERN CORP		34,725	65,459
	TWO Sigma All Cap Fund	FIDUS INVESTMENT CORP		11,478	21,636
	TWO Sigma All Cap Fund	FIFTH STREET FINANCE CORP		23,510	44,318
	TWO Sigma All Cap Fund	FIFTH STREET SENIOR FLOATING		18,707	35,264
	TWO Sigma All Cap Fund	FIFTH THIRD BANCORP		579	1,091
	TWO Sigma All Cap Fund	FINANCIAL INSTITUTIONS INC		11,743	22,137
	TWO Sigma All Cap Fund	FINISAR CORPORATION		359,533	677,752
	TWO Sigma All Cap Fund	FIREEYE INC		15	29
	TWO Sigma All Cap Fund	FIRST AMERICAN FINANCIAL		103,592	195,280
	TWO Sigma All Cap Fund	FIRST BANCORP PUERTO RICO		36,363	68,547
	TWO Sigma All Cap Fund	FIRST BANCORP/NC		17,706	33,378
	TWO Sigma All Cap Fund	FIRST BUSINESS FINANCIAL SER		2,036	3,838
	TWO Sigma All Cap Fund	FIRST CITIZENS BCSHS -CL A		3,657	6,894
	TWO Sigma All Cap Fund	FIRST COMMUNITY BANCSHARES		14,230	26,825
	TWO Sigma All Cap Fund	FIRST CONNECTICUT BANCORP		4,589	8,650
	TWO Sigma All Cap Fund	FIRST DATA CORP- CLASS A		390,029	735,240
	TWO Sigma All Cap Fund	FIRST DEFIANCE FINL CORP		21,778	41,054
	TWO Sigma All Cap Fund	FIRST FINANCIAL CORP/INDIANA		4,782	9,014
	TWO Sigma All Cap Fund	FIRST FINANCIAL NORTHWEST		1,695	3,194
	TWO Sigma All Cap Fund	FIRST HORIZON NATIONAL CORP		335	631
	TWO Sigma All Cap Fund	FIRST INDUSTRIAL REALTY TR		13,243	24,965
	TWO Sigma All Cap Fund	FIRST INTERSTATE BANCSYS-A		40,306	75,981
	TWO Sigma All Cap Fund	FIRST POTOMAC REALTY TRUST		2,128	4,012
	TWO Sigma All Cap Fund	FIRST REPUBLIC BANK/CA		2,412	4,548
	TWO Sigma All Cap Fund	FIRST SOLAR INC		99,857	188,239
	TWO Sigma All Cap Fund	FIRSTCASH INC		82,023	154,621
	TWO Sigma All Cap Fund	FIRSTENERGY CORP		680,305	1,282,435
	TWO Sigma All Cap Fund	FISERV INC		1,825	3,440
	TWO Sigma All Cap Fund	FITBIT INC - A		104,308	196,631
	TWO Sigma All Cap Fund	FIVE OAKS INVESTMENT CORP		5,760	10,857
	TWO Sigma All Cap Fund	FIVE STAR QUALITY CARE		5,152	9,713
	TWO Sigma All Cap Fund	FIVE9 INC		55,229	104,111
	TWO Sigma All Cap Fund	FLEETCOR TECHNOLOGIES INC		364	687
	TWO Sigma All Cap Fund	FLEX LTD		8,018	15,115
	TWO Sigma All Cap Fund	FLEXSTEEL INDS		2,647	4,990
	TWO Sigma All Cap Fund	FLIR SYSTEMS INC		69,386	130,800
	TWO Sigma All Cap Fund	FLOWERS FOODS INC		56,837	107,142
	TWO Sigma All Cap Fund	FLOWSERVE CORP		1,093	2,060
	TWO Sigma All Cap Fund	FLUOR CORP		6,718	12,663
	TWO Sigma All Cap Fund	FLUSHING FINANCIAL CORP		20,650	38,927
	TWO Sigma All Cap Fund	FMC CORP		44,425	83,746
	TWO Sigma All Cap Fund	FMC TECHNOLOGIES INC		961	1,811
	TWO Sigma All Cap Fund	FNB CORP		113,462	213,886
	TWO Sigma All Cap Fund	FNF GROUP		17,987	33,907
	TWO Sigma All Cap Fund	FNFV GROUP		15,353	28,942
	TWO Sigma All Cap Fund	FOOT LOCKER INC		2,708	5,105
	TWO Sigma All Cap Fund	FORD MOTOR CO		35,190	66,335
	TWO Sigma All Cap Fund	FOREST CITY REALTY TRUST- A		72	135
	TWO Sigma All Cap Fund	FORESTAR GROUP INC		40,530	76,403
	TWO Sigma All Cap Fund	FORMFACTOR INC		66,339	125,054
	TWO Sigma All Cap Fund	FORRESTER RESEARCH INC		21,827	41,145
	TWO Sigma All Cap Fund	FORTINET INC		269,985	508,945
	TWO Sigma All Cap Fund	FORTIVE CORP		487,993	919,911
	TWO Sigma All Cap Fund	FORTRESS INVESTMENT GRP-CL A		2,086	3,932
	TWO Sigma All Cap Fund	FORTUNE BRANDS HOME & SECURI		591,354	1,114,755
	TWO Sigma All Cap Fund	FORWARD AIR CORP		1,810	3,412
	TWO Sigma All Cap Fund	FOSSIL GROUP INC		699	1,318
	TWO Sigma All Cap Fund	FOSTER (LB) CO-A		11,838	22,316
	TWO Sigma All Cap Fund	FOUR CORNERS PROPERTY TRUST		128,139	241,553
	TWO Sigma All Cap Fund	FRANKLIN ELECTRIC CO INC		1,269	2,392
	TWO Sigma All Cap Fund	FRANKLIN RESOURCES INC		1,172	2,210
	TWO Sigma All Cap Fund	FREEPORT-MCMORAN INC		233,607	440,371
	TWO Sigma All Cap Fund	FRESH DEL MONTE PRODUCE INC		169,254	319,058
	TWO Sigma All Cap Fund	FRONTIER COMMUNICATIONS CORP		91	172
	TWO Sigma All Cap Fund	FTI CONSULTING INC		1,780	3,356
	TWO Sigma All Cap Fund	FULTON FINANCIAL CORP		799	1,506
	TWO Sigma All Cap Fund	FUTUREFUEL CORP		18,495	34,864
	TWO Sigma All Cap Fund	GAIN CAPITAL HOLDINGS INC		1,130	2,130
	TWO Sigma All Cap Fund	GAMESTOP CORP-CLASS A		3,469	6,540
	TWO Sigma All Cap Fund	GAMING AND LEISURE PROPERTIE		490,502	924,639
	TWO Sigma All Cap Fund	GANNETT CO INC		21	39
	TWO Sigma All Cap Fund	GAP INC/THE		616	1,162
	TWO Sigma All Cap Fund	GARMIN LTD		2,040	3,845
	TWO Sigma All Cap Fund	GARRISON CAPITAL INC		10,141	19,117
	TWO Sigma All Cap Fund	GARTNER INC		3,514	6,624
	TWO Sigma All Cap Fund	GASLOG PARTNERS LP		882	1,663
	TWO Sigma All Cap Fund	GATX CORP		211	399

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
TWO Sigma All Cap Fund	GENERAC HOLDINGS INC		19,235	36,259
TWO Sigma All Cap Fund	GENERAL CABLE CORP		327	617
TWO Sigma All Cap Fund	GENERAL COMMUNICATION INC-A		27,549	51,932
TWO Sigma All Cap Fund	GENERAL DYNAMICS CORP		6,966	13,132
TWO Sigma All Cap Fund	GENERAL ELECTRIC CO		231	435
TWO Sigma All Cap Fund	GENERAL GROWTH PROPERTIES		78,193	147,401
TWO Sigma All Cap Fund	GENERAL MILLS INC		1,485	2,799
TWO Sigma All Cap Fund	GENERAL MOTORS CO		614,223	1,157,865
TWO Sigma All Cap Fund	GENESCO INC		2,399	4,522
TWO Sigma All Cap Fund	GENOMIC HEALTH INC		53,309	100,492
TWO Sigma All Cap Fund	GENPACT LTD		104	197
TWO Sigma All Cap Fund	GENTEX CORP		338	637
TWO Sigma All Cap Fund	GENTHERM INC		52,362	98,706
TWO Sigma All Cap Fund	GENWORTH FINANCIAL INC-CL A		157	296
TWO Sigma All Cap Fund	GEO GROUP INC/THE		802	1,512
TWO Sigma All Cap Fund	GIBRALTAR INDUSTRIES INC		71,506	134,796
TWO Sigma All Cap Fund	GIGAMON INC		37,146	70,024
TWO Sigma All Cap Fund	G-III APPAREL GROUP LTD		37,707	71,081
TWO Sigma All Cap Fund	GILEAD SCIENCES INC		5,984,346	11,281,024
TWO Sigma All Cap Fund	GLADSTONE CAPITAL CORP		7,658	14,435
TWO Sigma All Cap Fund	GLADSTONE COMMERCIAL CORP		66,619	125,582
TWO Sigma All Cap Fund	GLADSTONE INVESTMENT CORP		1,547	2,916
TWO Sigma All Cap Fund	GLATFELTER		954	1,798
TWO Sigma All Cap Fund	GLAUKOS CORP		62,038	116,947
TWO Sigma All Cap Fund	GLOBAL BRASS & COPPER HOLDIN		41,221	77,706
TWO Sigma All Cap Fund	GLOBAL INDEMNITY LTD		5,461	10,295
TWO Sigma All Cap Fund	GLOBAL PAYMENTS INC		1,936	3,650
TWO Sigma All Cap Fund	GNC HOLDINGS INC-CL A		29,852	56,275
TWO Sigma All Cap Fund	GODADDY INC - CLASS A		352,491	664,478
TWO Sigma All Cap Fund	GOLDCORP INC		584	1,100
TWO Sigma All Cap Fund	GOLDMAN SACHS GROUP INC		3,803	7,168
TWO Sigma All Cap Fund	GOODYEAR TIRE & RUBBER CO		278	525
TWO Sigma All Cap Fund	GP STRATEGIES CORP		8,593	16,198
TWO Sigma All Cap Fund	GRACO INC		2,639	4,975
TWO Sigma All Cap Fund	GRAHAM CORP		5,704	10,753
TWO Sigma All Cap Fund	GRAHAM HOLDINGS CO-CLASS B		22,852	43,079
TWO Sigma All Cap Fund	GRAMERCY PROPERTY TRUST		6,174	11,639
TWO Sigma All Cap Fund	GRAN TIERRA ENERGY INC		2,341	4,413
TWO Sigma All Cap Fund	GRAND CANYON EDUCATION INC		1,982	3,736
TWO Sigma All Cap Fund	GRANITE CONSTRUCTION INC		2,313	4,361
TWO Sigma All Cap Fund	GRAPHIC PACKAGING HOLDING CO		510,458	962,258
TWO Sigma All Cap Fund	GREAT AJAX CORP		570	1,074
TWO Sigma All Cap Fund	GREAT LAKES DREDGE & DOCK CO		180	340
TWO Sigma All Cap Fund	GREAT PLAINS ENERGY INC		1,263,811	2,382,396
TWO Sigma All Cap Fund	GREAT SOUTHERN BANCORP INC		14,074	26,530
TWO Sigma All Cap Fund	GREAT WESTERN BANCORP INC		3,742	7,054
TWO Sigma All Cap Fund	GREEN DOT CORP-CLASS A		22,520	42,453
TWO Sigma All Cap Fund	GREEN PLAINS INC		25,102	47,320
TWO Sigma All Cap Fund	GREENHILL & CO INC		440	829
TWO Sigma All Cap Fund	GREIF INC-CL A		32,550	61,359
TWO Sigma All Cap Fund	GROUPON INC		33	62
TWO Sigma All Cap Fund	GUARANTY BANCORP		208	392
TWO Sigma All Cap Fund	GUESS? INC		400	754
TWO Sigma All Cap Fund	GUIDANCE SOFTWARE INC		18	34
TWO Sigma All Cap Fund	GULF ISLAND FABRICATION INC		7,151	13,480
TWO Sigma All Cap Fund	H&E EQUIPMENT SERVICES INC		27,942	52,672
TWO Sigma All Cap Fund	H&R BLOCK INC		839	1,581
TWO Sigma All Cap Fund	HACKETT GROUP INC/THE		9,884	18,632
TWO Sigma All Cap Fund	HALLADOR ENERGY CO		2,731	5,148
TWO Sigma All Cap Fund	HALLIBURTON CO		1,022	1,926
TWO Sigma All Cap Fund	HALLMARK FINL SERVICES INC		5,990	11,292
TWO Sigma All Cap Fund	HALYARD HEALTH INC		34,919	65,825
TWO Sigma All Cap Fund	HANESBRANDS INC		731	1,379
TWO Sigma All Cap Fund	HANMI FINANCIAL CORPORATION		1,123	2,118
TWO Sigma All Cap Fund	HANNON ARMSTRONG SUSTAINABLE		4,075	7,682
TWO Sigma All Cap Fund	HANOVER INSURANCE GROUP INC/		206,406	389,094
TWO Sigma All Cap Fund	HARLEY-DAVIDSON INC		426	802
TWO Sigma All Cap Fund	HARMAN INTERNATIONAL		504,115	950,301
TWO Sigma All Cap Fund	HARRIS CORP		100,189	188,866
TWO Sigma All Cap Fund	HARSCO CORP		40,155	75,695
TWO Sigma All Cap Fund	HARTE-HANKS INC		4,902	9,241
TWO Sigma All Cap Fund	HARTFORD FINANCIAL SVCS GRP		408,567	770,186
TWO Sigma All Cap Fund	HASBRO INC		1,102	2,077
TWO Sigma All Cap Fund	HAVERTY FURNITURE		19,500	36,760
TWO Sigma All Cap Fund	HAWAIIAN ELECTRIC INDS		108,400	204,343
TWO Sigma All Cap Fund	HAWAIIAN HOLDINGS INC		349,898	659,590
TWO Sigma All Cap Fund	HAWAIIAN TELCOM HOLDCO INC		4,446	8,381
TWO Sigma All Cap Fund	HAYNES INTERNATIONAL INC		1,790	3,374
TWO Sigma All Cap Fund	HCA HOLDINGS INC		484,050	912,478
TWO Sigma All Cap Fund	HCP INC		50,297	94,815
TWO Sigma All Cap Fund	HD SUPPLY HOLDINGS INC		1,321,356	2,490,874
TWO Sigma All Cap Fund	HEALTHSTREAM INC		817	1,540
TWO Sigma All Cap Fund	HEALTHWAYS INC		173,301	326,688
TWO Sigma All Cap Fund	HEARTLAND FINANCIAL USA INC		2,060	3,884
TWO Sigma All Cap Fund	HECLA MINING CO		11,306	21,313
TWO Sigma All Cap Fund	HEIDRICK & STRUGGLES INTL		3,047	5,745
TWO Sigma All Cap Fund	HELEN OF TROY LTD		13,883	26,170
TWO Sigma All Cap Fund	HELIX ENERGY SOLUTIONS GROUP		57,280	107,979
TWO Sigma All Cap Fund	HELMERICH & PAYNE		2,857	5,386

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TWO Sigma All Cap Fund	HENRY SCHEIN INC		269,774	508,547
TWO Sigma All Cap Fund	HERBALIFE LTD		1,798	3,389
TWO Sigma All Cap Fund	HERC HOLDINGS INC		105,232	198,373
TWO Sigma All Cap Fund	HERCULES CAPITAL INC		22,935	43,234
TWO Sigma All Cap Fund	HERITAGE COMMERCE CORP		19,200	36,193
TWO Sigma All Cap Fund	HERITAGE FINANCIAL CORP		25,431	47,940
TWO Sigma All Cap Fund	HERITAGE INSURANCE HOLDINGS		51,116	96,357
TWO Sigma All Cap Fund	HERITAGE OAKS BANCORP		455	858
TWO Sigma All Cap Fund	HERMAN MILLER INC		1,659	3,127
TWO Sigma All Cap Fund	HERSHA HOSPITALITY TRUST		323	609
TWO Sigma All Cap Fund	HERSHEY CO/THE		184,898	348,549
TWO Sigma All Cap Fund	HERTZ GLOBAL HOLDINGS INC		70,329	132,576
TWO Sigma All Cap Fund	HESS CORP		1,203	2,268
TWO Sigma All Cap Fund	HEWLETT PACKARD ENTERPRIS		2,077,452	3,916,182
TWO Sigma All Cap Fund	HEXCEL CORP		210,299	396,431
TWO Sigma All Cap Fund	HFF INC-CLASS A		5,193	9,790
TWO Sigma All Cap Fund	HILLENBRAND INC		46,862	88,340
TWO Sigma All Cap Fund	HILL-ROM HOLDINGS INC		95,516	180,056
TWO Sigma All Cap Fund	HILLTOP HOLDINGS INC		307	579
TWO Sigma All Cap Fund	HMS HOLDINGS CORP		7,537	14,208
TWO Sigma All Cap Fund	HNI CORP		4,800	9,049
TWO Sigma All Cap Fund	HOLLYFRONTIER CORP		38,949	73,422
TWO Sigma All Cap Fund	HOLOGIC INC		874,652	1,648,796
TWO Sigma All Cap Fund	HOME BANCSHARES INC		30,990	58,419
TWO Sigma All Cap Fund	HOME DEPOT INC		7,101,721	13,387,375
TWO Sigma All Cap Fund	HONEYWELL INTERNATIONAL INC		1,315,300	2,479,458
TWO Sigma All Cap Fund	HOOKER FURNITURE CORP		29,319	55,270
TWO Sigma All Cap Fund	HOPE BANCORP INC		319	602
TWO Sigma All Cap Fund	HORIZON GLOBAL CORP		43,718	82,412
TWO Sigma All Cap Fund	HORIZON PHARMA PLC		14	26
TWO Sigma All Cap Fund	HORIZON TECHNOLOGY FINANCE C		3,932	7,412
TWO Sigma All Cap Fund	HORMEL FOODS CORP		717	1,352
TWO Sigma All Cap Fund	HOSPITALITY PROPERTIES TRUST		41	77
TWO Sigma All Cap Fund	HOST HOTELS & RESORTS INC		429	808
TWO Sigma All Cap Fund	HOULIHAN LOKEY INC		1,389	2,619
TWO Sigma All Cap Fund	HOUSTON WIRE & CABLE CO		5,580	10,518
TWO Sigma All Cap Fund	HOVNANIAN ENTERPRISES-A		703	1,325
TWO Sigma All Cap Fund	HOWARD HUGHES CORP/THE		4,799	9,047
TWO Sigma All Cap Fund	HP INC		1,728,366	3,258,123
TWO Sigma All Cap Fund	HRG GROUP INC		89,312	168,361
TWO Sigma All Cap Fund	HSN INC		22,083	41,628
TWO Sigma All Cap Fund	HUB GROUP INC-CL A		31,923	60,177
TWO Sigma All Cap Fund	HUBSPOT INC		65,219	122,944
TWO Sigma All Cap Fund	HUDSON PACIFIC PROPERTIES IN		1,105	2,082
TWO Sigma All Cap Fund	HUGOTON ROYALTY TRUST		8	16
TWO Sigma All Cap Fund	HUMANA INC		687,351	1,295,718
TWO Sigma All Cap Fund	HUNT (JB) TRANSPRT SVCS INC		268,354	505,872
TWO Sigma All Cap Fund	HUNTINGTON BANCSHARES INC		261	492
TWO Sigma All Cap Fund	HUNTINGTON INGALLS INDUSTRIE		69,253	130,549
TWO Sigma All Cap Fund	HUNTSMAN CORP		583,302	1,099,576
TWO Sigma All Cap Fund	HURCO COMPANIES INC		4,262	8,034
TWO Sigma All Cap Fund	HYATT HOTELS CORP - CL A		400,434	754,854
TWO Sigma All Cap Fund	HYSTER-YALE MATERIALS		33,830	63,773
TWO Sigma All Cap Fund	IAC/INTERACTIVECORP		95,800	180,592
TWO Sigma All Cap Fund	IDEX CORP		1,585	2,988
TWO Sigma All Cap Fund	IDEXX LABORATORIES INC		417,416	786,866
TWO Sigma All Cap Fund	IDT CORP-CLASS B		27,875	52,548
TWO Sigma All Cap Fund	IHS MARKIT LTD		1,155	2,177
TWO Sigma All Cap Fund	II-VI INC		20,387	38,432
TWO Sigma All Cap Fund	ILG INC		367	691
TWO Sigma All Cap Fund	ILLINOIS TOOL WORKS		1,156	2,180
TWO Sigma All Cap Fund	ILLUMINA INC		4,122	7,770
TWO Sigma All Cap Fund	IMMERSION CORPORATION		2,738	5,160
TWO Sigma All Cap Fund	IMPAX LABORATORIES INC		69,951	131,863
TWO Sigma All Cap Fund	IMPERVA INC		11,537	21,749
TWO Sigma All Cap Fund	INC RESEARCH HOLDINGS INC-A		6,999	13,193
TWO Sigma All Cap Fund	INCYTE CORP		1,075,924	2,028,211
TWO Sigma All Cap Fund	INDEPENDENCE CONTRACT DRILLI		4,995	9,416
TWO Sigma All Cap Fund	INDEPENDENCE REALTY TRUST IN		88	166
TWO Sigma All Cap Fund	INDEPENDENT BANK CORP - MICH		17,734	33,429
TWO Sigma All Cap Fund	INDEPENDENT BANK GROUP INC		29,461	55,537
TWO Sigma All Cap Fund	INFINERA CORP		8,381	15,799
TWO Sigma All Cap Fund	INFORMATION SERVICES GROUP		312	589
TWO Sigma All Cap Fund	INFRAREIT INC		73,651	138,838
TWO Sigma All Cap Fund	INGERSOLL-RAND PLC		1,335,084	2,516,753
TWO Sigma All Cap Fund	INGEVITY CORP		18,931	35,687
TWO Sigma All Cap Fund	INGLES MARKETS INC-CLASS A		4,129	7,784
TWO Sigma All Cap Fund	INGREDION INC		161	303
TWO Sigma All Cap Fund	INNERWORKINGS INC		7,014	13,222
TWO Sigma All Cap Fund	INNOPHOS HOLDINGS INC		17,944	33,827
TWO Sigma All Cap Fund	INOGEN INC		8,649	16,304
TWO Sigma All Cap Fund	INOVALON HOLDINGS INC - A		3,537	6,667
TWO Sigma All Cap Fund	INPHI CORP		249	469
TWO Sigma All Cap Fund	INSIGHT ENTERPRISES INC		31,712	59,779
TWO Sigma All Cap Fund	INSPERITY INC		1,218	2,296
TWO Sigma All Cap Fund	INSTEEL INDUSTRIES INC		32,063	60,441
TWO Sigma All Cap Fund	INSULET CORP		647	1,219
TWO Sigma All Cap Fund	INTEGRATED DEVICE TECH INC		96,066	181,093
TWO Sigma All Cap Fund	INTEL CORP		1,401	2,641

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Identity of issue, borrower, lessor, or similar party					
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	INTERACTIVE BROKERS GRO-CL A		752	1,418	
TWO Sigma All Cap Fund	INTERCONTINENTAL EXCHANGE IN		1,816	3,424	
TWO Sigma All Cap Fund	INTERDIGITAL INC		1,294	2,439	
TWO Sigma All Cap Fund	INTERFACE INC		91,498	172,481	
TWO Sigma All Cap Fund	INTERNAP CORP		4,627	8,722	
TWO Sigma All Cap Fund	INTERNATIONAL GAME TECHNOLOG		46,103	86,908	
TWO Sigma All Cap Fund	INTERNATIONAL PAPER CO		1,184	2,232	
TWO Sigma All Cap Fund	INTERPUBLIC GROUP OF COS INC		85,959	162,041	
TWO Sigma All Cap Fund	INTERSIL CORP-A		201	379	
TWO Sigma All Cap Fund	INTERXION HOLDING NV		367,369	692,524	
TWO Sigma All Cap Fund	INTL BUSINESS MACHINES CORP		6,483	12,222	
TWO Sigma All Cap Fund	INTL FCSTONE INC		11,898	22,428	
TWO Sigma All Cap Fund	INTL FLAVORS & FRAGRANCES		4,754	8,962	
TWO Sigma All Cap Fund	INTL SPEEDWAY CORP-CL A		14,215	26,797	
TWO Sigma All Cap Fund	INTRALINKS HOLDINGS INC		40,992	77,273	
TWO Sigma All Cap Fund	INTRAWEST RESORTS HOLDINGS I		17,989	33,911	
TWO Sigma All Cap Fund	INTREPID POTASH INC		87	163	
TWO Sigma All Cap Fund	INTUIT INC		297,463	560,744	
TWO Sigma All Cap Fund	INTUITIVE SURGICAL INC		23,409	44,127	
TWO Sigma All Cap Fund	INVESCO LTD		523,937	987,668	
TWO Sigma All Cap Fund	INVESCO MORTGAGE CAPITAL		627	1,181	
TWO Sigma All Cap Fund	INVESTMENT TECHNOLOGY GROUP		398	751	
TWO Sigma All Cap Fund	INVESTORS BANCORP INC		259,623	489,413	
TWO Sigma All Cap Fund	INVESTORS REAL ESTATE TRUST		1,836	3,461	
TWO Sigma All Cap Fund	ION GEOPHYSICAL CORP		239	451	
TWO Sigma All Cap Fund	IPG PHOTONICS CORP		2,457	4,632	
TWO Sigma All Cap Fund	IRON MOUNTAIN INC		10,358	19,526	
TWO Sigma All Cap Fund	ISLE OF CAPRI CASINOS		58,730	110,711	
TWO Sigma All Cap Fund	ISTAR INC		12,742	24,021	
TWO Sigma All Cap Fund	ITRON INC		2,320	4,373	
TWO Sigma All Cap Fund	ITT INC		894	1,685	
TWO Sigma All Cap Fund	IXIA		3,870	7,295	
TWO Sigma All Cap Fund	IXYS CORPORATION		13,280	25,034	
TWO Sigma All Cap Fund	J.C. PENNEY CO INC		6,962	13,125	
TWO Sigma All Cap Fund	JABIL CIRCUIT INC		426,218	803,459	
TWO Sigma All Cap Fund	JACOBS ENGINEERING GROUP INC		483,893	912,182	
TWO Sigma All Cap Fund	JANUS CAPITAL GROUP INC		9,028	17,018	
TWO Sigma All Cap Fund	JAZZ PHARMACEUTICALS PLC		324,068	610,897	
TWO Sigma All Cap Fund	JETBLUE AIRWAYS CORP		260,155	490,415	
TWO Sigma All Cap Fund	JM SMUCKER CO/THE		660	1,243	
TWO Sigma All Cap Fund	JOHN B. SANFILIPPO & SON INC		115,199	217,160	
TWO Sigma All Cap Fund	JOHN BEAN TECHNOLOGIES CORP		2,361	4,451	
TWO Sigma All Cap Fund	JOHNSON & JOHNSON		49	93	
TWO Sigma All Cap Fund	JOHNSON CONTROLS INTERNATION		212	400	
TWO Sigma All Cap Fund	JOHNSON OUTDOORS INC-A		15,894	29,962	
TWO Sigma All Cap Fund	JONES LANG LASALLE INC		157,857	297,575	
TWO Sigma All Cap Fund	JOY GLOBAL INC		949	1,790	
TWO Sigma All Cap Fund	JPMORGAN CHASE & CO		567,549	1,069,879	
TWO Sigma All Cap Fund	JUNIPER NETWORKS INC		133	252	
TWO Sigma All Cap Fund	JUST ENERGY GROUP INC		469	884	
TWO Sigma All Cap Fund	K12 INC		8,934	16,841	
TWO Sigma All Cap Fund	K2M GROUP HOLDINGS INC		860	1,621	
TWO Sigma All Cap Fund	KADANT INC		44,655	84,179	
TWO Sigma All Cap Fund	KAMAN CORP		273	515	
TWO Sigma All Cap Fund	KANSAS CITY SOUTHERN		5,099	9,611	
TWO Sigma All Cap Fund	KAR AUCTION SERVICES INC		1,299	2,448	
TWO Sigma All Cap Fund	KBR INC		32,458	61,186	
TWO Sigma All Cap Fund	KCAP FINANCIAL INC		512	966	
TWO Sigma All Cap Fund	KEARNY FINANCIAL CORP/MD		24,027	45,293	
TWO Sigma All Cap Fund	KELLOGG CO		882,264	1,663,146	
TWO Sigma All Cap Fund	KELLY SERVICES INC -A		4,948	9,328	
TWO Sigma All Cap Fund	KEMET CORP		58,052	109,432	
TWO Sigma All Cap Fund	KEMPER CORP		1,540	2,903	
TWO Sigma All Cap Fund	KENNAMETAL INC		18,717	35,283	
TWO Sigma All Cap Fund	KEYCORP		306	577	
TWO Sigma All Cap Fund	KEYW HOLDING CORP/THE		2,024	3,816	
TWO Sigma All Cap Fund	KFORCE INC		446	841	
TWO Sigma All Cap Fund	KIMBALL INTERNATIONAL-B		30,170	56,874	
TWO Sigma All Cap Fund	KIMBERLY-CLARK CORP		3,183,357	6,000,911	
TWO Sigma All Cap Fund	KIMCO REALTY CORP		464	875	
TWO Sigma All Cap Fund	KINDER MORGAN INC		159,228	300,158	
TWO Sigma All Cap Fund	KINDRED HEALTHCARE INC		145	273	
TWO Sigma All Cap Fund	KINROSS GOLD CORP		16,161	30,465	
TWO Sigma All Cap Fund	KIRBY CORP		913	1,722	
TWO Sigma All Cap Fund	KIRKLAND'S INC		26,049	49,105	
TWO Sigma All Cap Fund	KITE REALTY GROUP TRUST		33,257	62,692	
TWO Sigma All Cap Fund	KLA-TENCOR CORP		2,242,482	4,227,278	
TWO Sigma All Cap Fund	KLX INC		15,489	29,199	
TWO Sigma All Cap Fund	KMG CHEMICALS INC		23,369	44,052	
TWO Sigma All Cap Fund	KNOLL INC		98,864	186,367	
TWO Sigma All Cap Fund	KNOWLES CORP		14,344	27,040	
TWO Sigma All Cap Fund	KOHL'S CORP		360	679	
TWO Sigma All Cap Fund	KOPPERS HOLDINGS INC		5,189	9,782	
TWO Sigma All Cap Fund	KORN/FERRY INTERNATIONAL		215	405	
TWO Sigma All Cap Fund	KOSMOS ENERGY LTD		268	505	
TWO Sigma All Cap Fund	KRAFT HEINZ CO/THE		1,124	2,120	
TWO Sigma All Cap Fund	KRATON CORP		5,501	10,369	
TWO Sigma All Cap Fund	KRATOS DEFENSE & SECURITY		2,913	5,490	
TWO Sigma All Cap Fund	KROGER CO		1,392	2,625	

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TWO Sigma All Cap Fund	KRONOS WORLDWIDE INC		512	966
TWO Sigma All Cap Fund	KULICKE & SOFFA INDUSTRIES		93,241	175,768
TWO Sigma All Cap Fund	KVH INDUSTRIES INC		5,065	9,547
TWO Sigma All Cap Fund	L BRANDS INC		876	1,651
TWO Sigma All Cap Fund	L-3 COMMUNICATIONS CORP		65	123
TWO Sigma All Cap Fund	LA QUINTA HOLDINGS INC		21,347	40,241
TWO Sigma All Cap Fund	LABORATORY CRP OF AMER HLDGS		2,259	4,259
TWO Sigma All Cap Fund	LADDER CAPITAL CORP-REIT		2,944	5,550
TWO Sigma All Cap Fund	LAKELAND BANCORP INC		16,019	30,198
TWO Sigma All Cap Fund	LAM RESEARCH CORP		2,416,326	4,554,990
TWO Sigma All Cap Fund	LAMAR ADVERTISING CO-A		1,991	3,754
TWO Sigma All Cap Fund	LANDEC CORP		527	994
TWO Sigma All Cap Fund	LANDSTAR SYSTEM INC		24,383	45,965
TWO Sigma All Cap Fund	LAREDO PETROLEUM INC		37,009	69,765
TWO Sigma All Cap Fund	LAS VEGAS SANDS CORP		454,769	857,280
TWO Sigma All Cap Fund	LASALLE HOTEL PROPERTIES		968	1,824
TWO Sigma All Cap Fund	LAYNE CHRISTENSEN COMPANY		3,266	6,156
TWO Sigma All Cap Fund	LAZARD LTD-CL A		624,341	1,176,939
TWO Sigma All Cap Fund	LA-Z-BOY INC		24,428	46,050
TWO Sigma All Cap Fund	LEAR CORP		909	1,714
TWO Sigma All Cap Fund	LEGG MASON INC		244,019	459,997
TWO Sigma All Cap Fund	LEGGETT & PLATT INC		75,590	142,494
TWO Sigma All Cap Fund	LEIDOS HOLDINGS INC		51,275	96,658
TWO Sigma All Cap Fund	LEMAITRE VASCULAR INC		13,128	24,747
TWO Sigma All Cap Fund	LENNAR CORP-A		700	1,320
TWO Sigma All Cap Fund	LENNOX INTERNATIONAL INC		5,720	10,782
TWO Sigma All Cap Fund	LEUCADIA NATIONAL CORP		21,335	40,219
TWO Sigma All Cap Fund	LEVEL 3 COMMUNICATIONS INC		72,426	136,529
TWO Sigma All Cap Fund	LEXICON PHARMACEUTICALS INC		24	45
TWO Sigma All Cap Fund	LEXINGTON REALTY TRUST		73,625	138,790
TWO Sigma All Cap Fund	LHC GROUP INC		19,615	36,976
TWO Sigma All Cap Fund	LIBBEY INC		28,398	53,533
TWO Sigma All Cap Fund	LIBERTY EXPEDIA HOLD-A		4,257	8,024
TWO Sigma All Cap Fund	LIBERTY GLOBAL PLC-A		124,783	235,228
TWO Sigma All Cap Fund	LIBERTY INTERACTIVE CORP Q-A		518,800	977,983
TWO Sigma All Cap Fund	LIBERTY MEDIA CORP-MEDIA A		1,023	1,928
TWO Sigma All Cap Fund	LIBERTY PROPERTY TRUST		1,255	2,365
TWO Sigma All Cap Fund	LIBERTY TAX INC		575	1,084
TWO Sigma All Cap Fund	LIBERTY TRIPADVISOR HDG-A		2,584	4,871
TWO Sigma All Cap Fund	LIBERTY VENTURES - SER A		1,203	2,267
TWO Sigma All Cap Fund	LIFEPPOINT HEALTH INC		42,468	80,057
TWO Sigma All Cap Fund	LIFETIME BRANDS INC		762	1,436
TWO Sigma All Cap Fund	LIMELIGHT NETWORKS INC		13,899	26,200
TWO Sigma All Cap Fund	LINCOLN ELECTRIC HOLDINGS		592	1,117
TWO Sigma All Cap Fund	LINCOLN NATIONAL CORP		622,378	1,173,239
TWO Sigma All Cap Fund	LINEAR TECHNOLOGY CORP		1,847	3,481
TWO Sigma All Cap Fund	LIONBRIDGE TECHNOLOGIES INC		2,240	4,224
TWO Sigma All Cap Fund	LIQUIDITY SERVICES INC		2,540	4,788
TWO Sigma All Cap Fund	LITTELFUSE INC		6,319	11,911
TWO Sigma All Cap Fund	LIVANOVA PLC		58	109
TWO Sigma All Cap Fund	LIVE NATION ENTERTAINMENT IN		430,409	811,360
TWO Sigma All Cap Fund	LIVEPERSON INC		6,209	11,704
TWO Sigma All Cap Fund	LKQ CORP		763	1,438
TWO Sigma All Cap Fund	LOCKHEED MARTIN CORP		3,761,449	7,090,666
TWO Sigma All Cap Fund	LOEWS CORP		10,693	20,158
TWO Sigma All Cap Fund	LOGITECH INTERNATIONAL-REG		4,253	8,017
TWO Sigma All Cap Fund	LOGMEIN INC		2,694	5,078
TWO Sigma All Cap Fund	LORAL SPACE & COMMUNICATIONS		1,040	1,960
TWO Sigma All Cap Fund	LOUISIANA-PACIFIC CORP		31,687	59,733
TWO Sigma All Cap Fund	LOWE'S COS INC		5,396,107	10,172,140
TWO Sigma All Cap Fund	LPL FINANCIAL HOLDINGS INC		100,664	189,761
TWO Sigma All Cap Fund	LSI INDUSTRIES INC		3,762	7,093
TWO Sigma All Cap Fund	LTC PROPERTIES INC		125,321	236,242
TWO Sigma All Cap Fund	LULULEMON ATHLETICA INC		1,339	2,524
TWO Sigma All Cap Fund	LUMENTUM HOLDINGS INC		346,760	653,673
TWO Sigma All Cap Fund	LUMINEX CORP		41,678	78,567
TWO Sigma All Cap Fund	LUMOS NETWORKS CORP		16,787	31,646
TWO Sigma All Cap Fund	LUXOFT HOLDING INC		1,447	2,728
TWO Sigma All Cap Fund	LYDALL INC		10,327	19,467
TWO Sigma All Cap Fund	LYONDELLBASELL INDU-CL A		847	1,596
TWO Sigma All Cap Fund	M & T BANK CORP		806	1,519
TWO Sigma All Cap Fund	MACERICH CO/THE		2,919	5,502
TWO Sigma All Cap Fund	MACK-CALI REALTY CORP		1,109	2,090
TWO Sigma All Cap Fund	MACQUARIE INFRASTRUCTURE COR		3,507	6,610
TWO Sigma All Cap Fund	MACY'S INC		1,168	2,202
TWO Sigma All Cap Fund	MAGELLAN HEALTH INC		32,298	60,885
TWO Sigma All Cap Fund	MAGNA INTERNATIONAL INC		13,039	24,580
TWO Sigma All Cap Fund	MAGNACHIP SEMICONDUCT		14,681	27,676
TWO Sigma All Cap Fund	MAIDEN HOLDINGS LTD		136,755	257,795
TWO Sigma All Cap Fund	MALLINCKRODT PLC		113,951	214,809
TWO Sigma All Cap Fund	MANCHESTER UNITED PLC-CL A		11,028	20,788
TWO Sigma All Cap Fund	MANITOWOC COMPANY INC		221	416
TWO Sigma All Cap Fund	MANNING & NAPIER INC		6,157	11,607
TWO Sigma All Cap Fund	MANPOWERGROUP INC		2,823	5,321
TWO Sigma All Cap Fund	MANULIFE FINANCIAL CORP		145	274
TWO Sigma All Cap Fund	MARATHON OIL CORP		26,836	50,588
TWO Sigma All Cap Fund	MARATHON PETROLEUM CORP		1,265,742	2,386,035
TWO Sigma All Cap Fund	MARCHEX INC-CLASS B		796	1,501
TWO Sigma All Cap Fund	MARCUS CORPORATION		19,834	37,389

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TWO Sigma All Cap Fund	MARIN SOFTWARE INC		101		190
TWO Sigma All Cap Fund	MARINEMAX INC		8,770		16,533
TWO Sigma All Cap Fund	MARKEL CORP		6,212		11,709
TWO Sigma All Cap Fund	MARLIN BUSINESS SERVICES INC		4,485		8,455
TWO Sigma All Cap Fund	MARRIOTT INTERNATIONAL -CL A		1,095,594		2,065,292
TWO Sigma All Cap Fund	MARSH & MCLENNAN COS		252,970		476,871
TWO Sigma All Cap Fund	MARTEN TRANSPORT LTD		33,002		62,212
TWO Sigma All Cap Fund	MARTIN MARIETTA MATERIALS		475		896
TWO Sigma All Cap Fund	MARVELL TECHNOLOGY GROUP LTD		83,939		158,233
TWO Sigma All Cap Fund	MASCO CORP		7,804		14,711
TWO Sigma All Cap Fund	MASIMO CORP		126,245		237,983
TWO Sigma All Cap Fund	MASONITE INTERNATIONAL CORP		139,798		263,532
TWO Sigma All Cap Fund	MASTEC INC		49,630		93,556
TWO Sigma All Cap Fund	MASTERCARD INC - A		281,451		530,560
TWO Sigma All Cap Fund	MATRIX SERVICE CO		40,141		75,670
TWO Sigma All Cap Fund	MATSON INC		1,048		1,976
TWO Sigma All Cap Fund	MATTEL INC		556		1,048
TWO Sigma All Cap Fund	MATTHEWS INTL CORP-CLASS A		1,352		2,549
TWO Sigma All Cap Fund	MAXIM INTEGRATED PRODUCTS		1,179,304		2,223,092
TWO Sigma All Cap Fund	MAXIMUS INC		22,222		41,890
TWO Sigma All Cap Fund	MAXLINEAR INC-CLASS A		168		317
TWO Sigma All Cap Fund	MAXWELL TECHNOLOGIES INC		88		166
TWO Sigma All Cap Fund	MB FINANCIAL INC		588		1,108
TWO Sigma All Cap Fund	MBIA INC		230		433
TWO Sigma All Cap Fund	MCBC HOLDINGS INC		20,651		38,929
TWO Sigma All Cap Fund	MCCORMICK & CO-NON VTG SHRS		80		151
TWO Sigma All Cap Fund	MCDERMOTT INTL INC		64,719		122,001
TWO Sigma All Cap Fund	MCDONALD'S CORP		5,108,631		9,630,224
TWO Sigma All Cap Fund	MCGRATH RENTCORP		45,416		85,613
TWO Sigma All Cap Fund	MCKESSON CORP		1,434,787		2,704,700
TWO Sigma All Cap Fund	MDC PARTNERS INC-A		5,623		10,599
TWO Sigma All Cap Fund	MDU RESOURCES GROUP INC		5,433		10,242
TWO Sigma All Cap Fund	MEAD JOHNSON NUTRITION CO		348,962		657,825
TWO Sigma All Cap Fund	MEDALLION FINANCIAL CORP		3		5
TWO Sigma All Cap Fund	MEDIA GENERAL INC		331		625
TWO Sigma All Cap Fund	MEDICAL PROPERTIES TRUST INC		496		935
TWO Sigma All Cap Fund	MEDIFAST INC		49,959		94,177
TWO Sigma All Cap Fund	MEDLEY CAPITAL CORP		15,795		29,774
TWO Sigma All Cap Fund	MEDNAX INC		2,403		4,531
TWO Sigma All Cap Fund	MEDTRONIC PLC		4,875,759		9,191,240
TWO Sigma All Cap Fund	MEETME INC		34		64
TWO Sigma All Cap Fund	MENTOR GRAPHICS CORP		213,247		401,989
TWO Sigma All Cap Fund	MERCADOLIBRE INC		180,946		341,099
TWO Sigma All Cap Fund	MERCANTILE BANK CORP		17,799		33,553
TWO Sigma All Cap Fund	MERCER INTERNATIONAL INC		18,897		35,622
TWO Sigma All Cap Fund	MERCHANTS BANCSHARES INC		6,979		13,156
TWO Sigma All Cap Fund	MERCK & CO. INC.		222,128		418,730
TWO Sigma All Cap Fund	MERCURY GENERAL CORP		11,526		21,727
TWO Sigma All Cap Fund	MEREDITH CORP		25		48
TWO Sigma All Cap Fund	MERIT MEDICAL SYSTEMS INC		71,099		134,029
TWO Sigma All Cap Fund	MERITOR INC		1,066		2,010
TWO Sigma All Cap Fund	MESABI TRUST		2,756		5,194
TWO Sigma All Cap Fund	META FINANCIAL GROUP INC		110,414		208,141
TWO Sigma All Cap Fund	METHODE ELECTRONICS INC		14,198		26,765
TWO Sigma All Cap Fund	METLIFE INC		2,290		4,317
TWO Sigma All Cap Fund	METTLER-TOLEDO INTERNATIONAL		4,851		9,144
TWO Sigma All Cap Fund	MFA FINANCIAL INC		75,659		142,625
TWO Sigma All Cap Fund	MGIC INVESTMENT CORP		254		478
TWO Sigma All Cap Fund	MGM GROWTH PROPERTIES LLC-A		311,669		587,523
TWO Sigma All Cap Fund	MGM RESORTS INTERNATIONAL		3,163,177		5,962,869
TWO Sigma All Cap Fund	MICHAELS COS INC/THE		123		232
TWO Sigma All Cap Fund	MICROCHIP TECHNOLOGY INC		10,793		20,346
TWO Sigma All Cap Fund	MICRON TECHNOLOGY INC		789,864		1,488,964
TWO Sigma All Cap Fund	MICROSEMI CORP		1,158		2,183
TWO Sigma All Cap Fund	MICROSOFT CORP		1,547		2,916
TWO Sigma All Cap Fund	MICROSTRATEGY INC-CL A		195,463		368,466
TWO Sigma All Cap Fund	MID-AMERICA APARTMENT COMM		84		158
TWO Sigma All Cap Fund	MIDDLESEX WATER CO		5,529		10,423
TWO Sigma All Cap Fund	MIDWESTONE FINANCIAL GROUP I		6,455		12,169
TWO Sigma All Cap Fund	MILLER INDUSTRIES INC/TENN		3,406		6,420
TWO Sigma All Cap Fund	MINDBODY INC - CLASS A		49,103		92,563
TWO Sigma All Cap Fund	MISTRAS GROUP INC		37,519		70,727
TWO Sigma All Cap Fund	MITEL NETWORKS CORP		38		72
TWO Sigma All Cap Fund	MOBILE MINI INC		740		1,395
TWO Sigma All Cap Fund	MODEL N INC		10,636		20,049
TWO Sigma All Cap Fund	MODINE MANUFACTURING CO		7,757		14,623
TWO Sigma All Cap Fund	MODUSLINK GLOBAL SOLUTIONS I		815		1,536
TWO Sigma All Cap Fund	MOELIS & CO - CLASS A		55,538		104,695
TWO Sigma All Cap Fund	MOHAWK INDUSTRIES INC		82,962		156,391
TWO Sigma All Cap Fund	MOLSON COORS BREWING CO -B		2,631		4,960
TWO Sigma All Cap Fund	MONARCH CASINO & RESORT INC		2,213		4,172
TWO Sigma All Cap Fund	MONDELEZ INTERNATIONAL INC-A		20,359		38,378
TWO Sigma All Cap Fund	MONEYGRAM INTERNATIONAL INC		13,179		24,844
TWO Sigma All Cap Fund	MONMOUTH REAL ESTATE INV COR		106,235		200,263
TWO Sigma All Cap Fund	MONOTYPE IMAGING HOLDINGS IN		20,473		38,594
TWO Sigma All Cap Fund	MONROE CAPITAL CORP		7,393		13,937
TWO Sigma All Cap Fund	MONSANTO CO		27,727		52,267
TWO Sigma All Cap Fund	MONSTER BEVERAGE CORP		609		1,148
TWO Sigma All Cap Fund	MOODY'S CORP		120,454		227,067

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Personal Pension Plan
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(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
TWO Sigma All Cap Fund	MOOG INC-CLASS A		14,772	27,846
TWO Sigma All Cap Fund	MORGAN STANLEY		39,605	74,659
TWO Sigma All Cap Fund	MORNINGSTAR INC		2,715	5,118
TWO Sigma All Cap Fund	MOSAIC CO/THE		179,390	338,165
TWO Sigma All Cap Fund	MOTOROLA SOLUTIONS INC		157,785	297,439
TWO Sigma All Cap Fund	MRC GLOBAL INC		47,018	88,634
TWO Sigma All Cap Fund	MSA SAFETY INC		23,806	44,876
TWO Sigma All Cap Fund	MSC INDUSTRIAL DIRECT CO-A		2,419	4,560
TWO Sigma All Cap Fund	MSCI INC		3,145	5,928
TWO Sigma All Cap Fund	MSG NETWORKS INC- A		126,119	237,746
TWO Sigma All Cap Fund	MTGE INVESTMENT CORP		17,163	32,354
TWO Sigma All Cap Fund	MTS SYSTEMS CORP		6,327	11,928
TWO Sigma All Cap Fund	MUELLER WATER PRODUCTS INC-A		14,282	26,923
TWO Sigma All Cap Fund	MURPHY OIL CORP		828	1,562
TWO Sigma All Cap Fund	MYERS INDUSTRIES INC		1,792	3,378
TWO Sigma All Cap Fund	MYLAN NV		327	617
TWO Sigma All Cap Fund	MYR GROUP INC/DELAWARE		68,798	129,691
TWO Sigma All Cap Fund	MYRIAD GENETICS INC		299,291	564,190
TWO Sigma All Cap Fund	N B T BANCORP INC		953	1,796
TWO Sigma All Cap Fund	NABORS INDUSTRIES LTD		422	796
TWO Sigma All Cap Fund	NACCO INDUSTRIES-CL A		3,887	7,326
TWO Sigma All Cap Fund	NANOMETRICS INC		979	1,845
TWO Sigma All Cap Fund	NASDAQ INC		29	54
TWO Sigma All Cap Fund	NATIONAL BANK HOLD-CL A		5,475	10,321
TWO Sigma All Cap Fund	NATIONAL BANKSHARES INC/VA		1,865	3,516
TWO Sigma All Cap Fund	NATIONAL BEVERAGE CORP		1,907	3,596
TWO Sigma All Cap Fund	NATIONAL CINEMEDIA INC		46,298	87,276
TWO Sigma All Cap Fund	NATIONAL FUEL GAS CO		180,627	340,498
TWO Sigma All Cap Fund	NATIONAL GENERAL HLDGS		30,826	58,111
TWO Sigma All Cap Fund	NATIONAL HEALTHCARE CORP		13,012	24,529
TWO Sigma All Cap Fund	NATIONAL INSTRUMENTS CORP		833	1,571
TWO Sigma All Cap Fund	NATIONAL OILWELL VARCO INC		434	818
TWO Sigma All Cap Fund	NATIONAL PRESTO INDS INC		13,700	25,826
TWO Sigma All Cap Fund	NATIONAL STORAGE AFFILIATES		2,842	5,357
TWO Sigma All Cap Fund	NATL HEALTH INVESTORS INC		2,547	4,801
TWO Sigma All Cap Fund	NATURAL GAS SERVICES GROUP		5,989	11,289
TWO Sigma All Cap Fund	NATURES SUNSHINE PRODS INC		3,863	7,282
TWO Sigma All Cap Fund	NAVIENT CORP		24,922	46,979
TWO Sigma All Cap Fund	NAVIGANT CONSULTING INC		94,917	178,926
TWO Sigma All Cap Fund	NAVIGATORS GROUP INC		15,162	28,581
TWO Sigma All Cap Fund	NAVIOS MARITIME ACQUISITION		1,751	3,301
TWO Sigma All Cap Fund	NAVIOS MARITIME PARTNERS LP		3,773	7,113
TWO Sigma All Cap Fund	NAVISTAR INTERNATIONAL CORP		862	1,624
TWO Sigma All Cap Fund	NCI BUILDING SYSTEMS INC		42,237	79,621
TWO Sigma All Cap Fund	NCR CORPORATION		113,836	214,591
TWO Sigma All Cap Fund	NEKTAR THERAPEUTICS		57,167	107,765
TWO Sigma All Cap Fund	NEOGEN CORP		85	160
TWO Sigma All Cap Fund	NET 1 UEPS TECHNOLOGIES INC		38,453	72,487
TWO Sigma All Cap Fund	NETAPP INC		154,864	291,933
TWO Sigma All Cap Fund	NETFLIX INC		1,429,578	2,694,882
TWO Sigma All Cap Fund	NETSCOUT SYSTEMS INC		608	1,147
TWO Sigma All Cap Fund	NEVSUN RESOURCES LTD		9,023	17,008
TWO Sigma All Cap Fund	NEW GOLD INC		13,846	26,101
TWO Sigma All Cap Fund	NEW MEDIA INVESTMENT GROUP		4,118	7,763
TWO Sigma All Cap Fund	NEW RELIC INC		6,063	11,429
TWO Sigma All Cap Fund	NEW RESIDENTIAL INVESTMENT		337	636
TWO Sigma All Cap Fund	NEW YORK COMMUNITY BANCORP		15,781	29,749
TWO Sigma All Cap Fund	NEW YORK MORTGAGE TRUST INC		20,679	38,982
TWO Sigma All Cap Fund	NEWELL BRANDS INC		1,629	3,071
TWO Sigma All Cap Fund	NEWFIELD EXPLORATION CO		1,574,276	2,967,651
TWO Sigma All Cap Fund	NEWMONT MINING CORP		760	1,433
TWO Sigma All Cap Fund	NEWPARK RESOURCES INC		1,610	3,034
TWO Sigma All Cap Fund	NEWS CORP - CLASS A		166,037	312,995
TWO Sigma All Cap Fund	NEWSTAR FINANCIAL INC		397	748
TWO Sigma All Cap Fund	NEWTEK BUSINESS SERVICES COR		18,139	34,194
TWO Sigma All Cap Fund	NEXPOINT RESIDENTIAL		21,382	40,308
TWO Sigma All Cap Fund	NEXTERA ENERGY INC		5,076	9,569
TWO Sigma All Cap Fund	NIC INC		53,455	100,768
TWO Sigma All Cap Fund	NIELSEN HOLDINGS PLC		328,958	620,116
TWO Sigma All Cap Fund	NIKE INC -CL B		1,793,666	3,381,220
TWO Sigma All Cap Fund	NIMBLE STORAGE INC		340	641
TWO Sigma All Cap Fund	NISOURCE INC		1,216	2,293
TWO Sigma All Cap Fund	NL INDUSTRIES		1,049	1,978
TWO Sigma All Cap Fund	NMI HOLDINGS INC-CLASS A		11,885	22,404
TWO Sigma All Cap Fund	NOBLE CORP PLC		17,921	33,783
TWO Sigma All Cap Fund	NOBLE ENERGY INC		146,336	275,856
TWO Sigma All Cap Fund	NORDSON CORP		1,972	3,717
TWO Sigma All Cap Fund	NORDSTROM INC		864	1,629
TWO Sigma All Cap Fund	NORFOLK SOUTHERN CORP		397,425	749,181
TWO Sigma All Cap Fund	NORTHERN TRUST CORP		3,516	6,629
TWO Sigma All Cap Fund	NORTHFIELD BANCORP INC		103	194
TWO Sigma All Cap Fund	NORTHTRIM BANCORP INC		5,425	10,227
TWO Sigma All Cap Fund	NORTHROP GRUMMAN CORP		11,879	22,393
TWO Sigma All Cap Fund	NORTHSTAR REALTY EUROPE CORP		2,698	5,085
TWO Sigma All Cap Fund	NORTHWEST PIPE CO		2,033	3,831
TWO Sigma All Cap Fund	NOVANTA INC		3,605	6,796
TWO Sigma All Cap Fund	NOVAVAX INC		2,906	5,479
TWO Sigma All Cap Fund	NOVELION THERAPEUTICS INC		1,037	1,955
TWO Sigma All Cap Fund	NOW INC		4,393	8,281

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TWO Sigma All Cap Fund	NRG ENERGY INC		1,763	3,323	
TWO Sigma All Cap Fund	NU SKIN ENTERPRISES INC - A		1,374	2,590	
TWO Sigma All Cap Fund	NUANCE COMMUNICATIONS INC		224,300	422,826	
TWO Sigma All Cap Fund	NUCOR CORP		389,816	734,837	
TWO Sigma All Cap Fund	NUTRACEUTICAL INTL CORP		13,501	25,450	
TWO Sigma All Cap Fund	NUTRISYSTEM INC		11,898	22,428	
TWO Sigma All Cap Fund	NVE CORP		11,160	21,037	
TWO Sigma All Cap Fund	NVIDIA CORP		3,253	6,132	
TWO Sigma All Cap Fund	NVR INC		58,025	109,381	
TWO Sigma All Cap Fund	NXP SEMICONDUCTORS NV		2,734	5,154	
TWO Sigma All Cap Fund	NXSTAGE MEDICAL INC		63,054	118,862	
TWO Sigma All Cap Fund	OASIS PETROLEUM INC		130	245	
TWO Sigma All Cap Fund	OCCIDENTAL PETROLEUM CORP		1,697,639	3,200,200	
TWO Sigma All Cap Fund	OCEANEERING INTL INC		327	616	
TWO Sigma All Cap Fund	OCEANFIRST FINANCIAL CORP		42,057	79,282	
TWO Sigma All Cap Fund	OCLARO INC		38	72	
TWO Sigma All Cap Fund	OCWEN FINANCIAL CORP		694	1,308	
TWO Sigma All Cap Fund	OFFICE DEPOT INC		6,154	11,600	
TWO Sigma All Cap Fund	OGE ENERGY CORP		976	1,840	
TWO Sigma All Cap Fund	OIL STATES INTERNATIONAL INC		1,624	3,061	
TWO Sigma All Cap Fund	OIL-DRI CORP OF AMERICA		4,920	9,275	
TWO Sigma All Cap Fund	OLD DOMINION FREIGHT LINE		27,616	52,060	
TWO Sigma All Cap Fund	OLD NATIONAL BANCORP		709	1,336	
TWO Sigma All Cap Fund	OLD REPUBLIC INTL CORP		550,202	1,037,179	
TWO Sigma All Cap Fund	OLLIE'S BARGAIN OUTLET HOLDI		49	92	
TWO Sigma All Cap Fund	OM ASSET MANAGEMENT PLC		3,734	7,039	
TWO Sigma All Cap Fund	OMEGA HEALTHCARE INVESTORS		270,395	509,719	
TWO Sigma All Cap Fund	OMEGA PROTEIN CORP		34,406	64,857	
TWO Sigma All Cap Fund	OMNICOM GROUP		100,969	190,336	
TWO Sigma All Cap Fund	OMNOVA SOLUTIONS INC		15,284	28,812	
TWO Sigma All Cap Fund	ON SEMICONDUCTOR CORP		104	196	
TWO Sigma All Cap Fund	ONE GAS INC		357	673	
TWO Sigma All Cap Fund	ONE LIBERTY PROPERTIES INC		15,245	28,739	
TWO Sigma All Cap Fund	ONEBEACON INSURANCE GROUP-A		20,963	39,517	
TWO Sigma All Cap Fund	ONEMAIN HOLDINGS INC		16,155	30,453	
TWO Sigma All Cap Fund	ONEOK INC		1,331	2,508	
TWO Sigma All Cap Fund	OPHTHOTTECH CORP		32,340	60,964	
TWO Sigma All Cap Fund	OPKO HEALTH INC		327	617	
TWO Sigma All Cap Fund	OPUS BANK		7,739	14,588	
TWO Sigma All Cap Fund	ORACLE CORP		4,925,380	9,284,779	
TWO Sigma All Cap Fund	ORASURE TECHNOLOGIES INC		57,759	108,881	
TWO Sigma All Cap Fund	ORBITAL ATK INC		3,088	5,821	
TWO Sigma All Cap Fund	ORBOTECH LTD		131,253	247,424	
TWO Sigma All Cap Fund	ORCHIDS PAPER PRODUCTS CO		7,866	14,828	
TWO Sigma All Cap Fund	O'REILLY AUTOMOTIVE INC		13,981	26,356	
TWO Sigma All Cap Fund	ORION ENGINEERED CARBONS SA		22,735	42,857	
TWO Sigma All Cap Fund	ORION GROUP HOLDINGS INC		21,353	40,253	
TWO Sigma All Cap Fund	ORITANI FINANCIAL CORP		38,420	72,425	
TWO Sigma All Cap Fund	ORTHOFIX INTERNATIONAL NV		81,806	154,211	
TWO Sigma All Cap Fund	OSHKOSH CORP		332,443	626,684	
TWO Sigma All Cap Fund	OUTFRONT MEDIA INC		278,881	525,716	
TWO Sigma All Cap Fund	OVERSEAS SHIPHOLDING GROUP-A		1,332	2,510	
TWO Sigma All Cap Fund	OWENS & MINOR INC		9,088	17,132	
TWO Sigma All Cap Fund	OWENS CORNING		387,918	731,261	
TWO Sigma All Cap Fund	OWENS-ILLINOIS INC		23,875	45,006	
TWO Sigma All Cap Fund	P G & E CORP		339	639	
TWO Sigma All Cap Fund	PACCAR INC		1,865	3,516	
TWO Sigma All Cap Fund	PACIFIC CONTINENTAL CORP		15,943	30,054	
TWO Sigma All Cap Fund	PACIFIC ETHANOL INC		2,039	3,843	
TWO Sigma All Cap Fund	PACIFIC PREMIER BANCORP INC		50,070	94,386	
TWO Sigma All Cap Fund	PACKAGING CORP OF AMERICA		1,820	3,431	
TWO Sigma All Cap Fund	PACWEST BANCORP		2,173	4,096	
TWO Sigma All Cap Fund	PAN AMERICAN SILVER CORP		1,940	3,658	
TWO Sigma All Cap Fund	PANERA BREAD COMPANY-CLASS A		4,753	8,961	
TWO Sigma All Cap Fund	PAREXEL INTERNATIONAL CORP		85	160	
TWO Sigma All Cap Fund	PARK ELECTROCHEMICAL CORP		18,659	35,174	
TWO Sigma All Cap Fund	PARK NATIONAL CORP		5,136	9,682	
TWO Sigma All Cap Fund	PARK STERLING CORP		8,369	15,775	
TWO Sigma All Cap Fund	PARKER DRILLING CO		58	109	
TWO Sigma All Cap Fund	PARKER HANNIFIN CORP		961	1,812	
TWO Sigma All Cap Fund	PARSLEY ENERGY INC-CLASS A		25,774	48,586	
TWO Sigma All Cap Fund	PATRICK INDUSTRIES INC		62,223	117,295	
TWO Sigma All Cap Fund	PATTERN ENERGY GROUP INC		2,445	4,609	
TWO Sigma All Cap Fund	PATTERSON COS INC		1,550	2,921	
TWO Sigma All Cap Fund	PATTERSON-UTI ENERGY INC		10,410	19,625	
TWO Sigma All Cap Fund	PAYCHEX INC		261	493	
TWO Sigma All Cap Fund	PAYPAL HOLDINGS INC		524,525	988,777	
TWO Sigma All Cap Fund	PBF ENERGY INC-CLASS A		227,529	428,912	
TWO Sigma All Cap Fund	PC CONNECTION INC		7,234	13,637	
TWO Sigma All Cap Fund	PDC ENERGY INC		33,738	63,599	
TWO Sigma All Cap Fund	PDF SOLUTIONS INC		1,936	3,649	
TWO Sigma All Cap Fund	PDL BIOPHARMA INC		52,888	99,698	
TWO Sigma All Cap Fund	PEAPACK GLADSTONE FINL CORP		11,584	21,837	
TWO Sigma All Cap Fund	PENN NATIONAL GAMING INC		5,416	10,209	
TWO Sigma All Cap Fund	PENN REAL ESTATE INVEST TST		8,952	16,875	
TWO Sigma All Cap Fund	PENN WEST PETROLEUM LTD		152	286	
TWO Sigma All Cap Fund	PENNANTPARK INVESTMENT CORP		18,740	35,327	
TWO Sigma All Cap Fund	PENNS WOODS BANCORP INC		2,168	4,086	
TWO Sigma All Cap Fund	PENTAIR PLC		1,612	3,040	

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
TWO Sigma All Cap Fund	PEOPLES BANCORP INC		13,932	26,263
TWO Sigma All Cap Fund	PEOPLE'S UNITED FINANCIAL		188,618	355,561
TWO Sigma All Cap Fund	PEPSICO INC		3,087,805	5,820,786
TWO Sigma All Cap Fund	PERKINELMER INC		985	1,857
TWO Sigma All Cap Fund	PERMIAN BASIN ROYALTY TRUST		10,533	19,856
TWO Sigma All Cap Fund	PERRIGO CO PLC		19,469	36,701
TWO Sigma All Cap Fund	PERRY ELLIS INTERNATIONAL		3,207	6,046
TWO Sigma All Cap Fund	PETROQUEST ENERGY INC		36	67
TWO Sigma All Cap Fund	PFIZER INC		2,808,923	5,295,070
TWO Sigma All Cap Fund	PFSWEB INC		11,518	21,712
TWO Sigma All Cap Fund	PHH CORP		3,253	6,133
TWO Sigma All Cap Fund	PHI INC-NON VOTING		1,547	2,916
TWO Sigma All Cap Fund	PHIBRO ANIMAL HEALTH CORP-A		46,531	87,715
TWO Sigma All Cap Fund	PHILIP MORRIS INTERNATIONAL		4,106,343	7,740,822
TWO Sigma All Cap Fund	PHOTRONICS INC		68,789	129,673
TWO Sigma All Cap Fund	PIEDMONT OFFICE REALTY TRU-A		431	812
TWO Sigma All Cap Fund	PIER 1 IMPORTS INC		6,964	13,128
TWO Sigma All Cap Fund	PILGRIM'S PRIDE CORP		73,169	137,930
TWO Sigma All Cap Fund	PINNACLE ENTERTAINMENT INC		4,979	9,386
TWO Sigma All Cap Fund	PINNACLE WEST CAPITAL		2,880	5,430
TWO Sigma All Cap Fund	PIONEER ENERGY SERVICES CORP		3,528	6,651
TWO Sigma All Cap Fund	PIONEER NATURAL RESOURCES CO		4,946	9,324
TWO Sigma All Cap Fund	PIPER JAFFRAY COS		3,112	5,866
TWO Sigma All Cap Fund	PITNEY BOWES INC		104,876	197,701
TWO Sigma All Cap Fund	PLEXUS CORP		27,903	52,600
TWO Sigma All Cap Fund	PLY GEM HOLDINGS INC		1,395	2,630
TWO Sigma All Cap Fund	PNC FINANCIAL SERVICES GROUP		8,032	15,141
TWO Sigma All Cap Fund	POINTS INTERNATIONAL LTD		5,247	9,890
TWO Sigma All Cap Fund	POLARIS INDUSTRIES INC		3,395	6,400
TWO Sigma All Cap Fund	POLYONE CORPORATION		5,790	10,914
TWO Sigma All Cap Fund	POPEYES LOUISIANA KITCHEN IN		62,301	117,442
TWO Sigma All Cap Fund	POPULAR INC		59,584	112,321
TWO Sigma All Cap Fund	PORTLAND GENERAL ELECTRIC CO		391	736
TWO Sigma All Cap Fund	POST HOLDINGS INC		3,381	6,374
TWO Sigma All Cap Fund	POTBELLY CORP		26,914	50,736
TWO Sigma All Cap Fund	POWELL INDUSTRIES INC		8,370	15,777
TWO Sigma All Cap Fund	POWER INTEGRATIONS INC		2,417	4,556
TWO Sigma All Cap Fund	PPG INDUSTRIES INC		826,618	1,558,248
TWO Sigma All Cap Fund	PPL CORP		843,717	1,590,481
TWO Sigma All Cap Fund	PRA GROUP INC		201	380
TWO Sigma All Cap Fund	PRA HEALTH SCIENCES INC		16,561	31,218
TWO Sigma All Cap Fund	PRAXAIR INC		3,420	6,448
TWO Sigma All Cap Fund	PRECISION DRILLING CORP		2,339	4,410
TWO Sigma All Cap Fund	PREFERRED APARTMENT COMMUN-A		12,159	22,921
TWO Sigma All Cap Fund	PREFERRED BANK/LOS ANGELES		35,999	67,861
TWO Sigma All Cap Fund	PREMIER INC-CLASS A		16,940	31,934
TWO Sigma All Cap Fund	PRICELINE GROUP INC/THE		15,731	29,655
TWO Sigma All Cap Fund	PRIMERO MINING CORP		31	59
TWO Sigma All Cap Fund	PRIMO WATER CORP		6,994	13,185
TWO Sigma All Cap Fund	PRIMORIS SERVICES CORP		15,712	29,619
TWO Sigma All Cap Fund	PRINCIPAL FINANCIAL GROUP		1,912	3,605
TWO Sigma All Cap Fund	PROCTER & GAMBLE CO/THE		2,280,366	4,298,693
TWO Sigma All Cap Fund	PROGRESS SOFTWARE CORP		1,370	2,583
TWO Sigma All Cap Fund	PROGRESSIVE CORP		87,674	165,272
TWO Sigma All Cap Fund	PROLOGIS INC		2,107	3,972
TWO Sigma All Cap Fund	PROOFPOINT INC		303,571	572,258
TWO Sigma All Cap Fund	PROSPECT CAPITAL CORP		2,509	4,729
TWO Sigma All Cap Fund	PROSPERITY BANCSHARES INC		308	581
TWO Sigma All Cap Fund	PRUDENTIAL FINANCIAL INC		4,198	7,914
TWO Sigma All Cap Fund	PS BUSINESS PARKS INC/CA		25,706	48,458
TWO Sigma All Cap Fund	PTC INC		15,888	29,950
TWO Sigma All Cap Fund	PUBLIC SERVICE ENTERPRISE GP		97,823	184,404
TWO Sigma All Cap Fund	PUBLIC STORAGE		6,235	11,754
TWO Sigma All Cap Fund	PULTEGROUP INC		158	297
TWO Sigma All Cap Fund	PURE STORAGE INC - CLASS A		11,650	21,962
TWO Sigma All Cap Fund	PVH CORP		87,612	165,156
TWO Sigma All Cap Fund	QAD INC-A		16,962	31,976
TWO Sigma All Cap Fund	QEP RESOURCES INC		92,087	173,593
TWO Sigma All Cap Fund	QIAGEN N.V.		97,451	183,703
TWO Sigma All Cap Fund	QORVO INC		45	85
TWO Sigma All Cap Fund	QUAD GRAPHICS INC		135,077	254,633
TWO Sigma All Cap Fund	QUALCOMM INC		1,105,641	2,084,231
TWO Sigma All Cap Fund	QUALITY SYSTEMS INC		25,410	47,900
TWO Sigma All Cap Fund	QUANEX BUILDING PRODUCTS		20,188	38,056
TWO Sigma All Cap Fund	QUANTA SERVICES INC		1,242	2,340
TWO Sigma All Cap Fund	QUEST DIAGNOSTICS INC		3,787	7,138
TWO Sigma All Cap Fund	QUINTILES IMS HOLDINGS INC		582,291	1,097,670
TWO Sigma All Cap Fund	RADIAN GROUP INC		13,891	26,186
TWO Sigma All Cap Fund	RADNET INC		18,291	34,480
TWO Sigma All Cap Fund	RADWARE LTD		1,877	3,539
TWO Sigma All Cap Fund	RALPH LAUREN CORP		18,957	35,735
TWO Sigma All Cap Fund	RAMBUS INC		5,319	10,027
TWO Sigma All Cap Fund	RAMCO-GERSHENSON PROPERTIES		157,121	296,187
TWO Sigma All Cap Fund	RANGE RESOURCES CORP		342,780	646,171
TWO Sigma All Cap Fund	RAYMOND JAMES FINANCIAL INC		416	785
TWO Sigma All Cap Fund	RAYONIER INC		1,085	2,045
TWO Sigma All Cap Fund	RAYTHEON COMPANY		3,169	5,974
TWO Sigma All Cap Fund	READING INTERNATIONAL INC-A		4,275	8,059
TWO Sigma All Cap Fund	REALNETWORKS INC		198	374

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	REALOGY HOLDINGS CORP		592,400	1,116,727	
TWO Sigma All Cap Fund	REALTY INCOME CORP		74	140	
TWO Sigma All Cap Fund	RED HAT INC		179	338	
TWO Sigma All Cap Fund	REDWOOD TRUST INC		10,471	19,739	
TWO Sigma All Cap Fund	REGAL BELOIT CORP		91,100	171,732	
TWO Sigma All Cap Fund	REGAL ENTERTAINMENT GROUP-A		46,861	88,338	
TWO Sigma All Cap Fund	REGENCY CENTERS CORP		2,575	4,854	
TWO Sigma All Cap Fund	REGENERON PHARMACEUTICALS		12,605	23,761	
TWO Sigma All Cap Fund	REGIONS FINANCIAL CORP		607,533	1,145,253	
TWO Sigma All Cap Fund	REGIS CORP		1,870	3,524	
TWO Sigma All Cap Fund	REINSURANCE GROUP OF AMERICA		108	204	
TWO Sigma All Cap Fund	REIS INC		955	1,800	
TWO Sigma All Cap Fund	RELIANCE STEEL & ALUMINUM		1,331	2,510	
TWO Sigma All Cap Fund	RENASANT CORP		1,812	3,416	
TWO Sigma All Cap Fund	RENEWABLE ENERGY GROUP INC		14,351	27,053	
TWO Sigma All Cap Fund	RENT-A-CENTER INC		420	792	
TWO Sigma All Cap Fund	REPUBLIC SERVICES INC		2,106	3,970	
TWO Sigma All Cap Fund	RESMED INC		506	954	
TWO Sigma All Cap Fund	RESOLUTE FOREST PRODUCTS		57	108	
TWO Sigma All Cap Fund	RESOURCES CONNECTION INC		587	1,106	
TWO Sigma All Cap Fund	RESTAURANT BRANDS INTERN		13,276	25,027	
TWO Sigma All Cap Fund	RETAIL OPPORTUNITY INVESTMEN		589	1,111	
TWO Sigma All Cap Fund	RETAIL PROPERTIES OF AME - A		5,922	11,163	
TWO Sigma All Cap Fund	RETAILMENOT INC		37,043	69,829	
TWO Sigma All Cap Fund	RETROPHIN INC		15,437	29,101	
TWO Sigma All Cap Fund	REVLON INC-CLASS A		16,265	30,661	
TWO Sigma All Cap Fund	REXNORD CORP		6,727	12,680	
TWO Sigma All Cap Fund	REYNOLDS AMERICAN INC		1,828	3,446	
TWO Sigma All Cap Fund	RICE ENERGY INC		102,633	193,472	
TWO Sigma All Cap Fund	RIGEL PHARMACEUTICALS INC		919	1,733	
TWO Sigma All Cap Fund	RIGNET INC		517	974	
TWO Sigma All Cap Fund	RINGCENTRAL INC-CLASS A		84,951	160,141	
TWO Sigma All Cap Fund	RITE AID CORP		286	540	
TWO Sigma All Cap Fund	ROADRUNNER TRANSPORTATION SY		7,314	13,787	
TWO Sigma All Cap Fund	ROBERT HALF INTL INC		105	197	
TWO Sigma All Cap Fund	ROCKWELL AUTOMATION INC		4,788	9,026	
TWO Sigma All Cap Fund	ROCKWELL COLLINS INC		3,543	6,680	
TWO Sigma All Cap Fund	ROGERS CORP		26,374	49,718	
TWO Sigma All Cap Fund	ROLLINS INC		101	191	
TWO Sigma All Cap Fund	ROPER TECHNOLOGIES INC		5,029	9,480	
TWO Sigma All Cap Fund	ROSETTA STONE INC		1,147	2,163	
TWO Sigma All Cap Fund	ROSS STORES INC		1,408	2,654	
TWO Sigma All Cap Fund	ROWAN COMPANIES PLC-A		5,992	11,295	
TWO Sigma All Cap Fund	ROYAL BANK OF CANADA		814,429	1,535,271	
TWO Sigma All Cap Fund	ROYAL GOLD INC		20,964	39,519	
TWO Sigma All Cap Fund	RPM INTERNATIONAL INC		116	218	
TWO Sigma All Cap Fund	RPX CORP		19,900	37,513	
TWO Sigma All Cap Fund	RR DONNELLEY & SONS CO		140,213	264,315	
TWO Sigma All Cap Fund	RSP PERMIAN INC		44,661	84,190	
TWO Sigma All Cap Fund	RTI SURGICAL INC		9,765	18,407	
TWO Sigma All Cap Fund	RUBICON PROJECT INC/THE		20,395	38,447	
TWO Sigma All Cap Fund	RUBY TUESDAY INC		10	18	
TWO Sigma All Cap Fund	RUDOLPH TECHNOLOGIES INC		63,911	120,477	
TWO Sigma All Cap Fund	RUSH ENTERPRISES INC-CL A		13,692	25,810	
TWO Sigma All Cap Fund	RUTH'S HOSPITALITY GROUP INC		38,841	73,218	
TWO Sigma All Cap Fund	RYDER SYSTEM INC		384,715	725,222	
TWO Sigma All Cap Fund	RYERSON HOLDING CORP		34,580	65,187	
TWO Sigma All Cap Fund	RYMAN HOSPITALITY PROPERTIES		40,837	76,982	
TWO Sigma All Cap Fund	S & T BANCORP INC		553	1,042	
TWO Sigma All Cap Fund	S&P GLOBAL INC		562,011	1,059,441	
TWO Sigma All Cap Fund	SABINE ROYALTY TRUST		13,276	25,027	
TWO Sigma All Cap Fund	SABRA HEALTH CARE REIT INC		109,435	206,296	
TWO Sigma All Cap Fund	SABRE CORP		201,325	379,516	
TWO Sigma All Cap Fund	SAFE BULKERS INC		592	1,117	
TWO Sigma All Cap Fund	SAFEGUARD SCIENTIFICS INC		502	947	
TWO Sigma All Cap Fund	SAFETY INSURANCE GROUP INC		3,163	5,963	
TWO Sigma All Cap Fund	SAIA INC		121,562	229,155	
TWO Sigma All Cap Fund	SALESFORCE.COM INC		1,763	3,323	
TWO Sigma All Cap Fund	SALLY BEAUTY HOLDINGS INC		11	21	
TWO Sigma All Cap Fund	SAN JUAN BASIN ROYALTY TR		1,137	2,142	
TWO Sigma All Cap Fund	SANCHEZ ENERGY CORP		70	132	
TWO Sigma All Cap Fund	SANDSTORM GOLD LTD		167	316	
TWO Sigma All Cap Fund	SANDY SPRING BANCORP INC		1,716	3,236	
TWO Sigma All Cap Fund	SANMINA CORP		90,089	169,826	
TWO Sigma All Cap Fund	SANTANDER CONSUMER USA HOLDI		1,159	2,185	
TWO Sigma All Cap Fund	SAPIENS INTERNATIONAL CORP		4,924	9,282	
TWO Sigma All Cap Fund	SAUL CENTERS INC		37,167	70,062	
TWO Sigma All Cap Fund	SBA COMMUNICATIONS CORP-CL A		504,631	951,274	
TWO Sigma All Cap Fund	SCANA CORP		2,485	4,684	
TWO Sigma All Cap Fund	SCANSOURCE INC		8,659	16,324	
TWO Sigma All Cap Fund	SCHLUMBERGER LTD		272,440	513,573	
TWO Sigma All Cap Fund	SCHNITZER STEEL INDS INC-A		320	603	
TWO Sigma All Cap Fund	SCHOLASTIC CORP		4,077	7,685	
TWO Sigma All Cap Fund	SCHULMAN (A.) INC		1,436	2,706	
TWO Sigma All Cap Fund	SCHWAB (CHARLES) CORP		745	1,405	
TWO Sigma All Cap Fund	SCICLONE PHARMACEUTICALS INC		33,375	62,916	
TWO Sigma All Cap Fund	SCOTTS MIRACLE-GRO CO-CL A		3,486	6,571	
TWO Sigma All Cap Fund	SCRIPPS NETWORKS INTER-CL A		429	808	
TWO Sigma All Cap Fund	SEACHANGE INTERNATIONAL INC		299	564	

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(a)	(b)	(c)	(c)	(d)	(e)
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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	SEACOAST BANKING CORP/FL		13,313	25,095	
TWO Sigma All Cap Fund	SEACOR HOLDINGS INC		887	1,673	
TWO Sigma All Cap Fund	SEAGATE TECHNOLOGY		1,368,060	2,578,914	
TWO Sigma All Cap Fund	SEALED AIR CORP		377,532	711,681	
TWO Sigma All Cap Fund	SEARS HOLDINGS CORP		28	53	
TWO Sigma All Cap Fund	SEARS HOMETOWN AND OUTLET ST		1,816	3,422	
TWO Sigma All Cap Fund	SEASPAN CORP		21,000	39,586	
TWO Sigma All Cap Fund	SEATTLE GENETICS INC		9,060	17,078	
TWO Sigma All Cap Fund	SEAWORLD ENTERTAINMENT INC		14,625	27,569	
TWO Sigma All Cap Fund	SEI INVESTMENTS COMPANY		80,739	152,201	
TWO Sigma All Cap Fund	SELECT INCOME REIT		125,380	236,353	
TWO Sigma All Cap Fund	SEMPRA ENERGY		33,390	62,944	
TWO Sigma All Cap Fund	SEMTECH CORP		95,143	179,353	
TWO Sigma All Cap Fund	SENECA FOODS CORP - CL A		3,438	6,481	
TWO Sigma All Cap Fund	SENOLOGY INC		165	311	
TWO Sigma All Cap Fund	SENSIENT TECHNOLOGIES CORP		1,180	2,225	
TWO Sigma All Cap Fund	SERVICE CORP INTERNATIONAL		14,359	27,069	
TWO Sigma All Cap Fund	SERVICENOW INC		64	120	
TWO Sigma All Cap Fund	SERVICEMASTER INTERNATIONAL		2,811	5,299	
TWO Sigma All Cap Fund	SHERWIN-WILLIAMS CO/THE		9,920	18,700	
TWO Sigma All Cap Fund	SHOE CARNIVAL INC		15,633	29,470	
TWO Sigma All Cap Fund	SHOPIFY INC - CLASS A		39,009	73,535	
TWO Sigma All Cap Fund	SHORETEL INC		70,565	133,022	
TWO Sigma All Cap Fund	SHUTTERFLY INC		54,986	103,653	
TWO Sigma All Cap Fund	SIERRA BANCORP		11,595	21,858	
TWO Sigma All Cap Fund	SIERRA WIRELESS INC		4,043	7,622	
TWO Sigma All Cap Fund	SILGAN HOLDINGS INC		1,054	1,988	
TWO Sigma All Cap Fund	SILICON LABORATORIES INC		16,070	30,293	
TWO Sigma All Cap Fund	SILVER BAY REALTY TRUST CORP		33,863	63,834	
TWO Sigma All Cap Fund	SILVER STANDARD RESOURCES		1,531	2,887	
TWO Sigma All Cap Fund	SILVER WHEATON CORP		13,757	25,933	
TWO Sigma All Cap Fund	SIMON PROPERTY GROUP INC		959,781	1,809,273	
TWO Sigma All Cap Fund	SINA CORP		126,362	238,204	
TWO Sigma All Cap Fund	SIRIUS XM HOLDINGS INC		18,447	34,774	
TWO Sigma All Cap Fund	SIX FLAGS ENTERTAINMENT CORP		72,059	135,838	
TWO Sigma All Cap Fund	SJW GROUP		529	996	
TWO Sigma All Cap Fund	SKECHERS USA INC-CL A		10,550	19,888	
TWO Sigma All Cap Fund	SKYWEST INC		13,173	24,832	
TWO Sigma All Cap Fund	SKYWORKS SOLUTIONS INC		2,467	4,651	
TWO Sigma All Cap Fund	SL GREEN REALTY CORP		1,293	2,437	
TWO Sigma All Cap Fund	SLM CORP		161	303	
TWO Sigma All Cap Fund	SM ENERGY CO		59	112	
TWO Sigma All Cap Fund	SMITH (A.O.) CORP		691	1,303	
TWO Sigma All Cap Fund	SNAP-ON INC		550,303	1,037,369	
TWO Sigma All Cap Fund	SNYDERS-LANCE INC		33	62	
TWO Sigma All Cap Fund	SODASTREAM INTERNATIONAL LTD		60,428	113,913	
TWO Sigma All Cap Fund	SOHU.COM INC		727	1,371	
TWO Sigma All Cap Fund	SOLAR CAPITAL LTD		5,415	10,208	
TWO Sigma All Cap Fund	SOLAR SENIOR CAPITAL LTD		20,654	38,934	
TWO Sigma All Cap Fund	SONOCO PRODUCTS CO		2,149	4,051	
TWO Sigma All Cap Fund	SONUS NETWORKS INC		26,910	50,729	
TWO Sigma All Cap Fund	SOUTH STATE CORP		6,902	13,012	
TWO Sigma All Cap Fund	SOUTHERN CO/THE		159,655	300,965	
TWO Sigma All Cap Fund	SOUTHSIDE BANCSHARES INC		1,407	2,652	
TWO Sigma All Cap Fund	SOUTHWEST AIRLINES CO		385	726	
TWO Sigma All Cap Fund	SOUTHWEST BANCORP INC/OKLA		10,705	20,179	
TWO Sigma All Cap Fund	SOUTHWESTERN ENERGY CO		41,221	77,705	
TWO Sigma All Cap Fund	SP PLUS CORP		7,249	13,666	
TWO Sigma All Cap Fund	SPARK ENERGY INC-CLASS A		50,512	95,219	
TWO Sigma All Cap Fund	SPARTAN MOTORS INC		794	1,497	
TWO Sigma All Cap Fund	SPARTANNASH CO		1,273	2,399	
TWO Sigma All Cap Fund	SPARTON CORP		1,024	1,930	
TWO Sigma All Cap Fund	SPDR S&P 500 ETF TRUST		22,465,070	42,348,653	
TWO Sigma All Cap Fund	SPECTRA ENERGY CORP		469,001	884,109	
TWO Sigma All Cap Fund	SPECTRANETICS CORP		32,746	61,729	
TWO Sigma All Cap Fund	SPECTRUM BRANDS HOLDINGS INC		116,562	219,729	
TWO Sigma All Cap Fund	SPECTRUM PHARMACEUTICALS INC		3,613	6,810	
TWO Sigma All Cap Fund	SPEEDWAY MOTORSPORTS INC		6,511	12,273	
TWO Sigma All Cap Fund	SPIRIT AEROSYSTEMS HOLD-CL A		557,790	1,051,483	
TWO Sigma All Cap Fund	SPIRIT AIRLINES INC		10,207	19,241	
TWO Sigma All Cap Fund	SPIRIT REALTY CAPITAL INC		140,536	264,923	
TWO Sigma All Cap Fund	SPLUNK INC		173,306	326,697	
TWO Sigma All Cap Fund	SPOK HOLDINGS INC		18,730	35,307	
TWO Sigma All Cap Fund	SPORTSMAN'S WAREHOUSE HOLDIN		403	760	
TWO Sigma All Cap Fund	SPRINT CORP		51	95	
TWO Sigma All Cap Fund	SPX CORP		50,965	96,074	
TWO Sigma All Cap Fund	SPX FLOW INC		4,692	8,845	
TWO Sigma All Cap Fund	SQUARE INC - A		113,493	213,944	
TWO Sigma All Cap Fund	ST JUDE MEDICAL INC		1,170	2,206	
TWO Sigma All Cap Fund	STANDEX INTERNATIONAL CORP		7,541	14,216	
TWO Sigma All Cap Fund	STANLEY BLACK & DECKER INC		670,805	1,264,527	
TWO Sigma All Cap Fund	STAPLES INC		2,319	4,371	
TWO Sigma All Cap Fund	STARBUCKS CORP		2,416,434	4,555,193	
TWO Sigma All Cap Fund	STARWOOD PROPERTY TRUST INC		4,711	8,880	
TWO Sigma All Cap Fund	STATE AUTO FINANCIAL CORP		967	1,822	
TWO Sigma All Cap Fund	STATE NATIONAL COS INC		5,419	10,216	
TWO Sigma All Cap Fund	STATE STREET CORP		1,401	2,641	
TWO Sigma All Cap Fund	STEEL DYNAMICS INC		291,285	549,098	
TWO Sigma All Cap Fund	STEELCASE INC-CL A		105,278	198,459	

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(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
TWO Sigma All Cap Fund	STEIN MART INC		12,520	23,601
TWO Sigma All Cap Fund	STELLUS CAPITAL INVESTMENT C		1,553	2,927
TWO Sigma All Cap Fund	STEPAN CO		104,916	197,776
TWO Sigma All Cap Fund	STERICYCLE INC		1,376,223	2,594,302
TWO Sigma All Cap Fund	STERLING BANCORP/DE		231	435
TWO Sigma All Cap Fund	STERLING CONSTRUCTION CO		4,357	8,214
TWO Sigma All Cap Fund	STEVEN MADDEN LTD		1,534	2,893
TWO Sigma All Cap Fund	STIFEL FINANCIAL CORP		1,522	2,869
TWO Sigma All Cap Fund	STOCK YARDS BANCORP INC		18,136	34,189
TWO Sigma All Cap Fund	STONEGATE BANK		35,894	67,663
TWO Sigma All Cap Fund	STONERIDGE INC		759	1,431
TWO Sigma All Cap Fund	STORE CAPITAL CORP		45,605	85,969
TWO Sigma All Cap Fund	STRATASYS LTD		35	67
TWO Sigma All Cap Fund	STRYKER CORP		360	679
TWO Sigma All Cap Fund	STUDENT TRANSPORTATION INC		14,396	27,137
TWO Sigma All Cap Fund	STURM RUGER & CO INC		1,402	2,644
TWO Sigma All Cap Fund	SUFFOLK BANCORP		14,703	27,717
TWO Sigma All Cap Fund	SUMMIT MATERIALS INC -CL A		26,548	50,046
TWO Sigma All Cap Fund	SUN BANCORP INC-NJ		893	1,683
TWO Sigma All Cap Fund	SUN LIFE FINANCIAL INC		284,647	536,585
TWO Sigma All Cap Fund	SUNCOKE ENERGY INC		81,770	154,143
TWO Sigma All Cap Fund	SUNOPTA INC		91	171
TWO Sigma All Cap Fund	SUNPOWER CORP		2,318	4,369
TWO Sigma All Cap Fund	SUNTRUST BANKS INC		1,577	2,973
TWO Sigma All Cap Fund	SUPERIOR ENERGY SERVICES INC		36	68
TWO Sigma All Cap Fund	SUPERIOR INDUSTRIES INTL		36,802	69,375
TWO Sigma All Cap Fund	SUPERNUS PHARMACEUTICALS INC		2,168	4,086
TWO Sigma All Cap Fund	SUPERVALU INC		227,679	429,196
TWO Sigma All Cap Fund	SURMODICS INC		21,804	41,102
TWO Sigma All Cap Fund	SUTHERLAND ASSET MANAGEMENT		895	1,687
TWO Sigma All Cap Fund	SVB FINANCIAL GROUP		6,852	12,917
TWO Sigma All Cap Fund	SWIFT TRANSPORTATION CO		175,654	331,123
TWO Sigma All Cap Fund	SYKES ENTERPRISES INC		14,864	28,021
TWO Sigma All Cap Fund	SYMANTEC CORP		636	1,198
TWO Sigma All Cap Fund	SYNCHRONY FINANCIAL		149,806	282,397
TWO Sigma All Cap Fund	SYNNEX CORP		15,791	29,767
TWO Sigma All Cap Fund	SYNOVUS FINANCIAL CORP		198,241	373,703
TWO Sigma All Cap Fund	SYNOVUS FINANCIAL CORP		18	33
TWO Sigma All Cap Fund	SYNTEL INC		24,633	46,435
TWO Sigma All Cap Fund	SYSCO CORP		206,759	389,759
TWO Sigma All Cap Fund	T ROWE PRICE GROUP INC		969	1,827
TWO Sigma All Cap Fund	TABLEAU SOFTWARE INC-CL A		255,448	481,542
TWO Sigma All Cap Fund	TAILORED BRANDS INC		48,252	90,959
TWO Sigma All Cap Fund	TAKE-TWO INTERACTIVE SOFTWARE		305,722	576,314
TWO Sigma All Cap Fund	TARGET CORP		248	468
TWO Sigma All Cap Fund	TAUBMAN CENTERS INC		2,475	4,666
TWO Sigma All Cap Fund	TCF FINANCIAL CORP		59,665	112,474
TWO Sigma All Cap Fund	TCP CAPITAL CORP		5,056	9,531
TWO Sigma All Cap Fund	TD AMERITRADE HOLDING CORP		692	1,305
TWO Sigma All Cap Fund	TE CONNECTIVITY LTD		261,674	493,279
TWO Sigma All Cap Fund	TECH DATA CORP		19,845	37,409
TWO Sigma All Cap Fund	TECHTARGET		8,421	15,874
TWO Sigma All Cap Fund	TECK RESOURCES LTD-CLS B		7,737	14,586
TWO Sigma All Cap Fund	TEEKAY CORP		531	1,001
TWO Sigma All Cap Fund	TEEKAY LNG PARTNERS LP		583	1,099
TWO Sigma All Cap Fund	TEEKAY OFFSHORE PARTNERS LP		217	409
TWO Sigma All Cap Fund	TEGNA INC		101	190
TWO Sigma All Cap Fund	TELEFLEX INC		6,640	12,517
TWO Sigma All Cap Fund	TELEPHONE AND DATA SYSTEMS		226,426	426,834
TWO Sigma All Cap Fund	TEMPUR SEALY INTERNATIONAL I		59	110
TWO Sigma All Cap Fund	TENET HEALTHCARE CORP		115	216
TWO Sigma All Cap Fund	TERADATA CORP		12,396	23,368
TWO Sigma All Cap Fund	TERADYNE INC		65	123
TWO Sigma All Cap Fund	TEREX CORP		14	26
TWO Sigma All Cap Fund	TERRENO REALTY CORP		709	1,337
TWO Sigma All Cap Fund	TESLA MOTORS INC		6,604	12,449
TWO Sigma All Cap Fund	TESORO CORP		10,735	20,236
TWO Sigma All Cap Fund	TESSERA HOLDING CORP		292,857	552,061
TWO Sigma All Cap Fund	TETRA TECHNOLOGIES INC		14,912	28,111
TWO Sigma All Cap Fund	TEXAS INSTRUMENTS INC		1,629	3,070
TWO Sigma All Cap Fund	TEXAS PACIFIC LAND TRUST		50,951	96,047
TWO Sigma All Cap Fund	TEXAS ROADHOUSE INC		1,553	2,927
TWO Sigma All Cap Fund	TEXTRON INC		1,938	3,654
TWO Sigma All Cap Fund	TFS FINANCIAL CORP		662	1,248
TWO Sigma All Cap Fund	THERMO FISHER SCIENTIFIC INC		582,482	1,098,029
TWO Sigma All Cap Fund	THL CREDIT INC		30,938	58,322
TWO Sigma All Cap Fund	THOMSON REUTERS CORP		75,163	141,690
TWO Sigma All Cap Fund	THOR INDUSTRIES INC		1,503	2,833
TWO Sigma All Cap Fund	TICC CAPITAL CORP		30,357	57,225
TWO Sigma All Cap Fund	TIDEWATER INC		66	124
TWO Sigma All Cap Fund	TIFFANY & CO		1,097	2,067
TWO Sigma All Cap Fund	TILE SHOP HLDGS INC		75,645	142,598
TWO Sigma All Cap Fund	TILLY'S INC-CLASS A SHRS		10,756	20,277
TWO Sigma All Cap Fund	TIME INC		7,048	13,287
TWO Sigma All Cap Fund	TIME WARNER INC		3,190	6,014
TWO Sigma All Cap Fund	TIMKEN CO		835	1,574
TWO Sigma All Cap Fund	TIMKENSTEEL CORP		21,261	40,080
TWO Sigma All Cap Fund	TITAN INTERNATIONAL INC		6,808	12,834
TWO Sigma All Cap Fund	TITAN MACHINERY INC		10,225	19,274

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value	
TWO Sigma All Cap Fund	TIVO CORP		255,318	481,298	
TWO Sigma All Cap Fund	TJX COMPANIES INC		613	1,155	
TWO Sigma All Cap Fund	T-MOBILE US INC		1,037	1,954	
TWO Sigma All Cap Fund	TOLL BROTHERS INC		1,251	2,358	
TWO Sigma All Cap Fund	TOMPKINS FINANCIAL CORP		41	76	
TWO Sigma All Cap Fund	TOOTSIE ROLL INDS		256	482	
TWO Sigma All Cap Fund	TORCHMARK CORP		2,311	4,357	
TWO Sigma All Cap Fund	TORO CO		1,465	2,761	
TWO Sigma All Cap Fund	TORONTO-DOMINION BANK		53,451	100,761	
TWO Sigma All Cap Fund	TOTAL SYSTEM SERVICES INC		252,951	476,835	
TWO Sigma All Cap Fund	TOWER INTERNATIONAL INC		37,721	71,108	
TWO Sigma All Cap Fund	TOWER SEMICONDUCTOR LTD		3,267	6,159	
TWO Sigma All Cap Fund	TOWNE BANK		1,099	2,071	
TWO Sigma All Cap Fund	TOWNSQUARE MEDIA INC - CL A		447	842	
TWO Sigma All Cap Fund	TPG SPECIALTY LENDING INC		58,529	110,332	
TWO Sigma All Cap Fund	TRACTOR SUPPLY COMPANY		3,124	5,888	
TWO Sigma All Cap Fund	TRANSDIGM GROUP INC		8,014	15,108	
TWO Sigma All Cap Fund	TRANSOCEAN LTD		221,727	417,975	
TWO Sigma All Cap Fund	TRANSUNION		150,557	283,814	
TWO Sigma All Cap Fund	TRAVELCENTERS OF AMERICA LLC		1,828	3,447	
TWO Sigma All Cap Fund	TRAVELERS COS INC/THE		2,732	5,151	
TWO Sigma All Cap Fund	TRAVELPORT WORLDWIDE LTD		191,687	361,347	
TWO Sigma All Cap Fund	TRECORA RESOURCES		594	1,121	
TWO Sigma All Cap Fund	TRIANGLE CAPITAL CORP		3,676	6,930	
TWO Sigma All Cap Fund	TRICO BANCSHARES		12,426	23,424	
TWO Sigma All Cap Fund	TRIMAS CORP		5,043	9,507	
TWO Sigma All Cap Fund	TRIMBLE INC		285	537	
TWO Sigma All Cap Fund	TRINET GROUP INC		46,185	87,062	
TWO Sigma All Cap Fund	TRINITY INDUSTRIES INC		55,261	104,172	
TWO Sigma All Cap Fund	TRINSEO SA		440,094	829,616	
TWO Sigma All Cap Fund	TRIPADVISOR INC		3,980	7,504	
TWO Sigma All Cap Fund	TRIPLE-S MANAGEMENT CORP-B		28,440	53,612	
TWO Sigma All Cap Fund	TRISTATE CAPITAL HLDGS INC		19,920	37,550	
TWO Sigma All Cap Fund	TRITON INTERNATIONAL LTD/BER		678	1,278	
TWO Sigma All Cap Fund	TRIUMPH BANCORP INC		8,979	16,926	
TWO Sigma All Cap Fund	TRONOX LTD-CL A		30,534	57,559	
TWO Sigma All Cap Fund	TRUEBLUE INC		2,116	3,989	
TWO Sigma All Cap Fund	TRUECAR INC		537	1,011	
TWO Sigma All Cap Fund	TRUPANION INC		2,018	3,805	
TWO Sigma All Cap Fund	TRUSTCO BANK CORP NY		26	50	
TWO Sigma All Cap Fund	TSAKOS ENERGY NAVIGATION LTD		11,877	22,389	
TWO Sigma All Cap Fund	TTM TECHNOLOGIES		199,911	376,850	
TWO Sigma All Cap Fund	TUPPERWARE BRANDS CORP		655	1,235	
TWO Sigma All Cap Fund	TUTOR PERINI CORP		7,127	13,434	
TWO Sigma All Cap Fund	TWENTY-FIRST CENTURY FOX-A		2,172,449	4,095,260	
TWO Sigma All Cap Fund	TWIN DISC INC		1,003	1,890	
TWO Sigma All Cap Fund	TWITTER INC		700	1,319	
TWO Sigma All Cap Fund	TWO HARBORS INVESTMENT CORP		260,508	491,081	
TWO Sigma All Cap Fund	TYSON FOODS INC-CL A		159	299	
TWO Sigma All Cap Fund	U.S. PHYSICAL THERAPY INC		1,446	2,726	
TWO Sigma All Cap Fund	UDR INC		266	502	
TWO Sigma All Cap Fund	UGI CORP		356	671	
TWO Sigma All Cap Fund	ULTA SALON COSMETICS & FRAGR		357,047	673,065	
TWO Sigma All Cap Fund	ULTIMATE SOFTWARE GROUP INC		5,479	10,328	
TWO Sigma All Cap Fund	ULTRA CLEAN HOLDINGS INC		17,902	33,748	
TWO Sigma All Cap Fund	ULTRATECH INC		12,670	23,884	
TWO Sigma All Cap Fund	UMH PROPERTIES INC		3,249	6,125	
TWO Sigma All Cap Fund	UMPQUA HOLDINGS CORP		98,992	186,609	
TWO Sigma All Cap Fund	UNDER ARMOUR INC-CLASS A		150	282	
TWO Sigma All Cap Fund	UNIFIRST CORP/MA		5,981	11,274	
TWO Sigma All Cap Fund	UNION BANCSHARES CORP		1,810	3,412	
TWO Sigma All Cap Fund	UNION PACIFIC CORP		712,854	1,343,794	
TWO Sigma All Cap Fund	UNISYS CORP		2,567	4,838	
TWO Sigma All Cap Fund	UNIT CORP		14,162	26,697	
TWO Sigma All Cap Fund	UNITED BANCSHARES INC		258	486	
TWO Sigma All Cap Fund	UNITED CONTINENTAL HOLDINGS		2,972	5,602	
TWO Sigma All Cap Fund	UNITED FINANCIAL BANCORP INC		678	1,278	
TWO Sigma All Cap Fund	UNITED FIRE GROUP INC		23,215	43,762	
TWO Sigma All Cap Fund	UNITED NATURAL FOODS INC		31,214	58,842	
TWO Sigma All Cap Fund	UNITED PARCEL SERVICE-CL B		14,614	27,548	
TWO Sigma All Cap Fund	UNITED RENTALS INC		544	1,025	
TWO Sigma All Cap Fund	UNITED STATES STEEL CORP		430,757	812,015	
TWO Sigma All Cap Fund	UNITED TECHNOLOGIES CORP		1,129	2,129	
TWO Sigma All Cap Fund	UNITED THERAPEUTICS CORP		2,278	4,294	
TWO Sigma All Cap Fund	UNITEDHEALTH GROUP INC		3,670,908	6,919,988	
TWO Sigma All Cap Fund	UNITIL CORP		28,724	54,146	
TWO Sigma All Cap Fund	UNIVAR INC		21,918	41,318	
TWO Sigma All Cap Fund	UNIVERSAL AMERICAN CORP		5,552	10,466	
TWO Sigma All Cap Fund	UNIVERSAL HEALTH SERVICES-B		328,520	619,288	
TWO Sigma All Cap Fund	UNIVERSAL INSURANCE HOLDINGS		1,219	2,298	
TWO Sigma All Cap Fund	UNIVERSAL STAINLESS & ALLOY		580	1,093	
TWO Sigma All Cap Fund	UNIVERSAL TECHNICAL INSTITUT		4,233	7,979	
TWO Sigma All Cap Fund	UNIVEST CORP OF PENNSYLVANIA		172	325	
TWO Sigma All Cap Fund	UNUM GROUP		1,094	2,062	
TWO Sigma All Cap Fund	URBAN OUTFITTERS INC		1,161	2,189	
TWO Sigma All Cap Fund	URSTADT BIDDLE - CLASS A		42,469	80,058	
TWO Sigma All Cap Fund	US BANCORP		63,875	120,409	
TWO Sigma All Cap Fund	US CELLULAR CORP		75	141	
TWO Sigma All Cap Fund	US ECOLOGY INC		2,004	3,778	

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TWO Sigma All Cap Fund	US FOODS HOLDING CORP		31,846	60,032
TWO Sigma All Cap Fund	US SILICA HOLDINGS INC		584	1,101
TWO Sigma All Cap Fund	USA TRUCK INC		4,486	8,457
TWO Sigma All Cap Fund	USANA HEALTH SCIENCES INC		1,471	2,773
TWO Sigma All Cap Fund	UTAH MEDICAL PRODUCTS INC		4,684	8,829
TWO Sigma All Cap Fund	VAALCO ENERGY INC		625	1,178
TWO Sigma All Cap Fund	VALEANT PHARMACEUTICALS INTE		191,327	360,668
TWO Sigma All Cap Fund	VALERO ENERGY CORP		1,120,164	2,111,609
TWO Sigma All Cap Fund	VALIDUS HOLDINGS LTD		11,876	22,388
TWO Sigma All Cap Fund	VALLEY NATIONAL BANCORP		330	622
TWO Sigma All Cap Fund	VALMONT INDUSTRIES		5,987	11,286
TWO Sigma All Cap Fund	VALSPAR CORP/THE		178	335
TWO Sigma All Cap Fund	VANDA PHARMACEUTICALS INC		1,369	2,581
TWO Sigma All Cap Fund	VANTIV INC - CL A		77	145
TWO Sigma All Cap Fund	VARIAN MEDICAL SYSTEMS INC		1,773	3,341
TWO Sigma All Cap Fund	VARONIS SYSTEMS INC		47,472	89,489
TWO Sigma All Cap Fund	VCA INC		972	1,833
TWO Sigma All Cap Fund	VECTOR GROUP LTD		134,535	253,611
TWO Sigma All Cap Fund	VECTREN CORP		34,605	65,233
TWO Sigma All Cap Fund	VECTRUS INC		6,142	11,578
TWO Sigma All Cap Fund	VENTAS INC		2,335	4,401
TWO Sigma All Cap Fund	VERA BRADLEY INC		2,304	4,343
TWO Sigma All Cap Fund	VERASTEM INC		48	91
TWO Sigma All Cap Fund	VEREIT INC		395,513	745,576
TWO Sigma All Cap Fund	VERIFONE SYSTEMS INC		232,269	437,849
TWO Sigma All Cap Fund	VERINT SYSTEMS INC		1,150	2,168
TWO Sigma All Cap Fund	VERISIGN INC		985,313	1,857,403
TWO Sigma All Cap Fund	VERISK ANALYTICS INC		2,613	4,926
TWO Sigma All Cap Fund	VERIZON COMMUNICATIONS INC		4,113,419	7,754,160
TWO Sigma All Cap Fund	VERSUM MATERIALS INC		75,902	143,082
TWO Sigma All Cap Fund	VERTEX PHARMACEUTICALS INC		654,311	1,233,435
TWO Sigma All Cap Fund	VF CORP		1,832	3,453
TWO Sigma All Cap Fund	VIACOM INC-CLASS B		50,604	95,394
TWO Sigma All Cap Fund	VIAD CORP		34,071	64,226
TWO Sigma All Cap Fund	VIAVI SOLUTIONS INC		59,138	111,481
TWO Sigma All Cap Fund	VILLAGE SUPER MARKET-CLASS A		9,284	17,501
TWO Sigma All Cap Fund	VINCE HOLDING CORP		26,864	50,641
TWO Sigma All Cap Fund	VIRTU FINANCIAL INC-CLASS A		4,108	7,743
TWO Sigma All Cap Fund	VISA INC-CLASS A SHARES		333,665	628,987
TWO Sigma All Cap Fund	VISHAY INTERTECHNOLOGY INC		7	13
TWO Sigma All Cap Fund	VISHAY PRECISION GROUP		7,934	14,956
TWO Sigma All Cap Fund	VISTA OUTDOOR INC		12,068	22,750
TWO Sigma All Cap Fund	VISTEON CORP		418,517	788,943
TWO Sigma All Cap Fund	VITAMIN SHOPPE INC		408	769
TWO Sigma All Cap Fund	VMWARE INC-CLASS A		2,464,128	4,645,100
TWO Sigma All Cap Fund	VOCERA COMMUNICATIONS INC		59,608	112,367
TWO Sigma All Cap Fund	VONAGE HOLDINGS CORP		262	493
TWO Sigma All Cap Fund	VORNADO REALTY TRUST		4,211	7,938
TWO Sigma All Cap Fund	VOXX INTERNATIONAL CORP		4,254	8,020
TWO Sigma All Cap Fund	VOYA FINANCIAL INC		221,783	418,081
TWO Sigma All Cap Fund	VTI ENERGY PARTNERS LP		2,080	3,920
TWO Sigma All Cap Fund	VULCAN MATERIALS CO		3,169	5,974
TWO Sigma All Cap Fund	WABCO HOLDINGS INC		1,822	3,435
TWO Sigma All Cap Fund	WABTEC CORP		356	672
TWO Sigma All Cap Fund	WADDELL & REED FINANCIAL-A		37,691	71,051
TWO Sigma All Cap Fund	WALGREENS BOOTS ALLIANCE INC		53,211	100,308
TWO Sigma All Cap Fund	WAL-MART STORES INC		1,051,281	1,981,758
TWO Sigma All Cap Fund	WALT DISNEY CO/THE		634,841	1,196,732
TWO Sigma All Cap Fund	WASHINGTON FEDERAL INC		944	1,779
TWO Sigma All Cap Fund	WASHINGTON PRIME GROUP INC		179	337
TWO Sigma All Cap Fund	WASHINGTON TRUST BANCORP		40,585	76,506
TWO Sigma All Cap Fund	WASTE CONNECTIONS INC		2,496	4,705
TWO Sigma All Cap Fund	WASTE MANAGEMENT INC		1,254,574	2,364,984
TWO Sigma All Cap Fund	WATERS CORP		4,441	8,373
TWO Sigma All Cap Fund	WATERSTONE FINANCIAL INC		3,349	6,312
TWO Sigma All Cap Fund	WATSCO INC		122,763	231,419
TWO Sigma All Cap Fund	WEB.COM GROUP INC		46,297	87,274
TWO Sigma All Cap Fund	WEBMD HEALTH CORP		302,480	570,202
TWO Sigma All Cap Fund	WEBSTER FINANCIAL CORP		349	659
TWO Sigma All Cap Fund	WEC ENERGY GROUP INC		655	1,234
TWO Sigma All Cap Fund	WEIBO CORP-SPON ADR		5,123	9,658
TWO Sigma All Cap Fund	WEIGHT WATCHERS INTL INC		128	241
TWO Sigma All Cap Fund	WEINGARTEN REALTY INVESTORS		3,333	6,284
TWO Sigma All Cap Fund	WELLCARE HEALTH PLANS INC		5,884	11,091
TWO Sigma All Cap Fund	WELLS FARGO & CO		6,215,200	11,716,204
TWO Sigma All Cap Fund	WELLTOWER INC		2,672	5,036
TWO Sigma All Cap Fund	WENDY'S CO/THE		3,772	7,110
TWO Sigma All Cap Fund	WERNER ENTERPRISES INC		35,858	67,596
TWO Sigma All Cap Fund	WESCO AIRCRAFT HOLDINGS INC		494	931
TWO Sigma All Cap Fund	WESCO INTERNATIONAL INC		14,482	27,300
TWO Sigma All Cap Fund	WEST BANCORPORATION		1,792	3,377
TWO Sigma All Cap Fund	WEST CORP		71,309	134,424
TWO Sigma All Cap Fund	WEST MARINE INC		229	432
TWO Sigma All Cap Fund	WEST PHARMACEUTICAL SERVICES		1,711	3,226
TWO Sigma All Cap Fund	WESTAR ENERGY INC		557,463	1,050,868
TWO Sigma All Cap Fund	WESTERN ALLIANCE BANCORP		1,840	3,468
TWO Sigma All Cap Fund	WESTERN DIGITAL CORP		625,265	1,178,681
TWO Sigma All Cap Fund	WESTERN REFINING INC		1,560	2,940
TWO Sigma All Cap Fund	WESTERN UNION CO		503	949

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	TWO Sigma All Cap Fund	WESTLAKE CHEMICAL CORP		725
	TWO Sigma All Cap Fund	WESTMORELAND COAL CO		2,859
	TWO Sigma All Cap Fund	WESTROCK CO	187,534	353,517
	TWO Sigma All Cap Fund	WESTWOOD HOLDINGS GROUP INC	5,150	9,708
	TWO Sigma All Cap Fund	WEYCO GROUP INC	1,343	2,532
	TWO Sigma All Cap Fund	WEYERHAEUSER CO	994	1,875
	TWO Sigma All Cap Fund	WHIRLPOOL CORP	312	588
	TWO Sigma All Cap Fund	WHITE MOUNTAINS INSURANCE GP	9,330	17,588
	TWO Sigma All Cap Fund	WHITESTONE REIT	22,287	42,013
	TWO Sigma All Cap Fund	WHITEWAVE FOODS CO	382	720
	TWO Sigma All Cap Fund	WHITING PETROLEUM CORP	17,897	33,737
	TWO Sigma All Cap Fund	WHOLE FOODS MARKET INC	1,135	2,140
	TWO Sigma All Cap Fund	WILEY (JOHN) & SONS-CLASS A	55,299	104,243
	TWO Sigma All Cap Fund	WILLIAMS COS INC	322,833	608,569
	TWO Sigma All Cap Fund	WILLIAMS-SONOMA INC	1,952	3,680
	TWO Sigma All Cap Fund	WILLIS TOWERS WATSON PLC	1,679	3,166
	TWO Sigma All Cap Fund	WINDSTREAM HOLDINGS INC	3,505	6,607
	TWO Sigma All Cap Fund	WINGSTOP INC	27,941	52,671
	TWO Sigma All Cap Fund	WINNEBAGO INDUSTRIES	41	77
	TWO Sigma All Cap Fund	WIX.COM LTD	243,453	458,930
	TWO Sigma All Cap Fund	WORLD ACCEPTANCE CORP	1,876	3,537
	TWO Sigma All Cap Fund	WP CAREY INC	347,409	654,898
	TWO Sigma All Cap Fund	WR BERKLEY CORP	36,397	68,612
	TWO Sigma All Cap Fund	WR GRACE & CO	544,869	1,027,126
	TWO Sigma All Cap Fund	WRIGHT MEDICAL GROUP NV	967	1,822
	TWO Sigma All Cap Fund	WSFS FINANCIAL CORP	1,989	3,750
	TWO Sigma All Cap Fund	WW GRAINGER INC	2,791	5,262
	TWO Sigma All Cap Fund	WYNDHAM WORLDWIDE CORP	2,032	3,831
	TWO Sigma All Cap Fund	WYNN RESORTS LTD	956,198	1,802,517
	TWO Sigma All Cap Fund	XACTLY CORP	10,118	19,073
	TWO Sigma All Cap Fund	XCEL ENERGY INC	242,014	456,217
	TWO Sigma All Cap Fund	XCERRA CORP	8,526	16,072
	TWO Sigma All Cap Fund	XERIUM TECHNOLOGIES INC	5,548	10,458
	TWO Sigma All Cap Fund	XEROX CORP	387,103	729,724
	TWO Sigma All Cap Fund	XILINX INC	962,455	1,814,312
	TWO Sigma All Cap Fund	XL GROUP LTD	656	1,236
	TWO Sigma All Cap Fund	XO GROUP INC	22,014	41,498
	TWO Sigma All Cap Fund	XPO LOGISTICS INC	296	559
	TWO Sigma All Cap Fund	XYLEM INC	914	1,723
	TWO Sigma All Cap Fund	YADKIN FINANCIAL CORP	130,387	245,791
	TWO Sigma All Cap Fund	YAHOO! INC	3,155,912	5,949,175
	TWO Sigma All Cap Fund	YAMANA GOLD INC	121	227
	TWO Sigma All Cap Fund	YANDEX NV-A	160,039	301,687
	TWO Sigma All Cap Fund	YELP INC	225,848	425,744
	TWO Sigma All Cap Fund	YORK WATER CO	836	1,576
	TWO Sigma All Cap Fund	YRC WORLDWIDE INC	570	1,074
	TWO Sigma All Cap Fund	YUM! BRANDS INC	453,720	855,303
	TWO Sigma All Cap Fund	ZAYO GROUP HOLDINGS INC	812,382	1,531,413
	TWO Sigma All Cap Fund	ZEBRA TECHNOLOGIES CORP-CL A	2,908	5,482
	TWO Sigma All Cap Fund	ZENDESK INC	109	206
	TWO Sigma All Cap Fund	ZILLOW GROUP INC - A	12,516	23,593
	TWO Sigma All Cap Fund	ZIMMER BIOMET HOLDINGS INC	2,082	3,924
	TWO Sigma All Cap Fund	ZIONS BANCORPORATION	610	1,149
	TWO Sigma All Cap Fund	ZIX CORP	13,360	25,185
	TWO Sigma All Cap Fund	ZOETIS INC	23	43
	TWO Sigma All Cap Fund	ZUMIEZ INC	610	1,149
	TWO Sigma All Cap Fund	ZYNGA INC - CL A	45,781	86,301
	TWO Sigma All Cap Fund	OTHER	-19,696,118	-37,128,931
	Landmark Equity II	Other	73,613	0
	Landmark Equity V	Other	0	633,764
	Landmark IX-Investment	NWP Services Corporation	209,236	66,425
	Landmark IX-Investment	Other	1,048,808	332,961
	Strategic Partners Parallel Fund II	Arlington TSI Investments L.L.C.	0	3,917
	Strategic Partners Parallel Fund II	Brera Capital Partners, L.P.	0	4,316
	Strategic Partners Parallel Fund II	Cypress Merchant Banking Partners II L.P.	0	2,570
	Strategic Partners Parallel Fund II	Microfabrica Inc.	0	1,138
	Strategic Partners Parallel Fund II	Prysm Inc.	0	3,028
	Strategic Partners Parallel Fund II	SP II Investments, L.P.	0	93,181
	Strategic Partners Parallel Fund II	Strategic Partners II RE Holdings, L.P.	0	535,382
	Strategic Partners Parallel Fund II	Other	0	323,998
	Strategic Partners Parallel Fund III	ABRY Mezzanine Partners, L.P.	0	3,200
	Strategic Partners Parallel Fund III	ACP-VWR Holdings, LLC	0	334,573
	Strategic Partners Parallel Fund III	Arlington Capital Partners II, L.P.	0	18,798
	Strategic Partners Parallel Fund III	Avista Capital Partners, L.P.	0	667,323
	Strategic Partners Parallel Fund III	Blackstone Capital Partners IV L.P.	0	373,584
	Strategic Partners Parallel Fund III	Boston Ventures Limited Partnership VII	0	159,579
	Strategic Partners Parallel Fund III	CCG Investment Fund, L.P.	0	61,481
	Strategic Partners Parallel Fund III	CCMP Capital Investors II, L.P.	0	60,001
	Strategic Partners Parallel Fund III	Corsair II Capital Partners, L.P.	0	4,320
	Strategic Partners Parallel Fund III	Corsair III Financial Services Capital Partners, L.P.	0	628,147
	Strategic Partners Parallel Fund III	Court Square Capital Partners, L.P.	0	4,598
	Strategic Partners Parallel Fund III	H.I.G. Capital Partners II, L.P.	0	24,423
	Strategic Partners Parallel Fund III	Hicks, Muse, Tate & Furst Latin America Fund, L.P.	0	44,420
	Strategic Partners Parallel Fund III	Investcorp Private Equity 2007 Fund, L.P.	0	589,994
	Strategic Partners Parallel Fund III	Investcorp Secondary Partners I, L.P.	0	500,231
	Strategic Partners Parallel Fund III	J.W. Childs Equity Partners II, L.P.	0	23,851
	Strategic Partners Parallel Fund III	JPMP GCO Equity Investors, L.P.	0	1,719

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Strategic Partners Parallel Fund III	MPVENTURE 2		0	190,135	
Strategic Partners Parallel Fund III	NSP Deux, L.P.		0	1,292,146	
Strategic Partners Parallel Fund III	Oak Hill Capital Partners, L.P.		0	2,011	
Strategic Partners Parallel Fund III	OCM Opportunities Fund IV, L.P.		0	2,767	
Strategic Partners Parallel Fund III	OCM Principal Opportunities Fund II, L.P.		0	1,106	
Strategic Partners Parallel Fund III	PCG Special Situation Partners, L.P.		0	150,543	
Strategic Partners Parallel Fund III	Special Situation Partners II, L.P.		0	33,939	
Strategic Partners Parallel Fund III	Strategic Partners III Investments, L.P.		0	9,923,556	
Strategic Partners Parallel Fund III	Strategic Partners III RE Holdings, L.P.		0	1,244,382	
Strategic Partners Parallel Fund III	Strategic Partners III VC Holdings, L.P.		0	692,201	
Strategic Partners Parallel Fund III	Strategic Partners Holdings 2009, L.P.		0	6,395,064	
Strategic Partners Parallel Fund III	Win 6, L.P.		0	54,036	
Strategic Partners Parallel Fund III	WIN 7 GP, L.P.		0	145,426	
Strategic Partners Parallel Fund III	WIN 7, L.P.		0	1,454,933	
Strategic Partners Parallel Fund III	Windjammer Mezzanine & Equity Fund II, L.P.		0	3,483	
Strategic Partners Parallel Fund III	HealthMarkets, Inc.		0	84,915	
Strategic Partners Parallel Fund III	Other		0	1,744,136	
Strategic Partners Fund III RE	Other		0	4,978,146	
Strategic Partners Fund III RE	Argosy Real Estate Partners, L.P.		828,709	269,306	
Strategic Partners Fund III RE	Carlyle Realty Halley Coinvestment IV, L.P.		2,515,217	817,372	
Strategic Partners Fund III RE	Carlyle Realty Partners V, L.P.		267,781	87,021	
Strategic Partners Fund III RE	Colony Investors VIII, L.P.		122,979	39,964	
Strategic Partners Fund III RE	Colony Realty Partners II, L.P.		1,756,208	570,716	
Strategic Partners Fund III RE	FB Real Estate Fund, L.P.		5,887,130	1,913,145	
Strategic Partners Fund III RE	Five Mile Capital Structured Income Fund, L.P.		336,159	109,242	
Strategic Partners Fund III RE	Hudson Realty Capital Fund III LP		203,108	66,004	
Strategic Partners Fund III RE	Hudson Realty Capital Fund IV, L.P.		783,432	254,593	
Strategic Partners Fund III RE	Hunt Commercial Realty Partners II, L.P.		603,174	196,014	
Strategic Partners Fund III RE	Hunt UK Realty Partners, L.P.		724,931	235,581	
Strategic Partners Fund III RE	JER Europe Fund III, L.P.		26,040	8,462	
Strategic Partners Fund III RE	Manhattan Valley Fund, L.P.		1,246	405	
Strategic Partners Fund III RE	Normandy Northeast Office Venture Partners, L.P.		78,663	25,563	
Strategic Partners Fund III RE	Normandy Real Estate Fund, L.P.		140,747	45,739	
Strategic Partners Fund III RE	ONC Fund, L.P.		1,788,959	581,359	
Strategic Partners Fund III RE	Palisades Regional Investment Fund II, LLC		28,112	9,135	
Strategic Partners Fund III RE	Square Mile Partners II L.P.		236,216	76,763	
Strategic Partners Fund III RE	Sterling American Property V, L.P.		226,735	73,682	
Strategic Partners Fund III RE	Strategic Partners Holdings 2009, L.P.		19,992,516	6,496,983	
Strategic Partners Fund III RE	Terra Firma Deutsche Annington, L.P.		49,990	16,245	
Strategic Partners Fund III RE	The Praedium Fund VII, L.P.		4,952	1,609	
Strategic Partners Fund III RE	Value Enhancement Fund VI, L.P.		153,021	49,727	
Strategic Partners Fund III RE	Ares European Real Estate Fund I (IF), L.P.		170,643	55,454	
Strategic Partners Fund III RE	Blackstone Real Estate Partners International II L.P.		603,424	196,095	
Strategic Partners Fund III RE	Blackstone Real Estate Partners V L.P.		1,058,103	343,852	
Strategic Partners Fund III RE	Everest Real Estate Fund, LLC		171	56	
Strategic Partners Fund III RE	Other		2,314,802	752,243	
Lexington Capital Partners III, L.P.	Weston Presidio Capital III, L.P.		0	198,431	
Lexington Capital Partners III, L.P.	OTHER		0	418,440	
Pantheon Global Secondary Fund LP	Accel VII		82,090	105,915	
Pantheon Global Secondary Fund LP	Apollo Investment Fund IV		1,299,911	7,899	
Pantheon Global Secondary Fund LP	Asia Pacific Growth Fund III		1,424,561	49,520	
Pantheon Global Secondary Fund LP	Bruckmann, Rosser, Sherrill & Co II		590,860	66,882	
Pantheon Global Secondary Fund LP	Capital Z Financial Services Fund II		1,004,636	12,114	
Pantheon Global Secondary Fund LP	CHL Medical Partners		329,092	2,112	
Pantheon Global Secondary Fund LP	Doughty Hanson & Co. III		1,257,605	401,709	
Pantheon Global Secondary Fund LP	Francisco Partners		39,267	3,065	
Pantheon Global Secondary Fund LP	Francisco Partners		282,446	16,436	
Pantheon Global Secondary Fund LP	Global Private Equity III		492,026	19,718	
Pantheon Global Secondary Fund LP	Goense Bounds & Partners		521,196	102,617	
Pantheon Global Secondary Fund LP	Halifax Capital Partners		550,913	21,640	
Pantheon Global Secondary Fund LP	Hutton Collins Mezzanine Partners		3,029,284	289,189	
Pantheon Global Secondary Fund LP	Lake Street Capital Fund I		1,941,976	10,484	
Pantheon Global Secondary Fund LP	LSC Fund II		3,796,099	24,313	
Pantheon Global Secondary Fund LP	Pegasus Partners II		424,604	24,755	
Pantheon Global Secondary Fund LP	PGPCC		4,577,442	92,326	
Pantheon Global Secondary Fund LP	QTV Capital		2,874,513	409,826	
Pantheon Global Secondary Fund LP	Silver Cup Partners		5,748,358	161,519	
Pantheon Global Secondary Fund LP	SOFTBANK Capital Partners		1,757,255	5,996	
Pantheon Global Secondary Fund LP	TCV IV		145,540	304	
Pantheon Global Secondary Fund LP	TCV IV		72,770	152	
Pantheon Global Secondary Fund LP	TCV IV		220,760	506	
Pantheon Global Secondary Fund LP	TCV IV		141,013	304	
Pantheon Global Secondary Fund LP	TCV IV Strategic Partners		9,789	32	
Pantheon Global Secondary Fund LP	TCW Shared Opportunity Fund III		913,523	24,730	
Pantheon Global Secondary Fund LP	Warburg Pincus Equity Partners		2,538,870	12,996	
Pantheon Global Secondary Fund LP	Other		-29,001,592	325,552	
Pantheon Global Secondary Fund II	ABS Capital Partners II		483,259	52,538	
Pantheon Global Secondary Fund II	ABS Capital Partners II		336,174	18,400	
Pantheon Global Secondary Fund II	ABS Capital Partners IV		4,191,476	3,723	
Pantheon Global Secondary Fund II	ABS Capital Partners V		2,036,758	1,746,440	
Pantheon Global Secondary Fund II	Argan Capital		8,964,367	5,381,324	
Pantheon Global Secondary Fund II	Asia Pacific Growth Fund III		102,627	3,568	
Pantheon Global Secondary Fund II	Asia Pacific Growth Fund III		193,644	10,677	
Pantheon Global Secondary Fund II	Baker Communications Fund II		2,335,870	257,073	
Pantheon Global Secondary Fund II	Beacon Group Energy Investment Fund II		626,098	217,054	
Pantheon Global Secondary Fund II	Bowman Partners		9,792,470	449,356	
Pantheon Global Secondary Fund II	Clarity Partners		1,282,257	356,777	

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(a)	(b)	(c)	(d)	(e)
Identity of issue, borrower, lessor, or similar party				
Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
Pantheon Global Secondary Fund II	Commonwealth Capital Ventures III		412,517	21,680
Pantheon Global Secondary Fund II	Domain Partners IV		200,498	2,533
Pantheon Global Secondary Fund II	Focus Ventures II		1,214,522	31,750
Pantheon Global Secondary Fund II	FPG International Holdings		305,126	55,089
Pantheon Global Secondary Fund II	Grotech Partners VI		431,171	68,829
Pantheon Global Secondary Fund II	Hutton Collins Mezzanine Partners		318,034	42,715
Pantheon Global Secondary Fund II	Klee Asia Fund I		1,091,026	233,895
Pantheon Global Secondary Fund II	Klee Europe Fund I		3,129,099	16,336
Pantheon Global Secondary Fund II	Klee USA Fund I		7,966,025	734,818
Pantheon Global Secondary Fund II	Kodiak Venture Partners II - A		997,384	67,825
Pantheon Global Secondary Fund II	Monteverdi		2,839,501	598,939
Pantheon Global Secondary Fund II	New Enterprise Associates 8A		66,992	11,989
Pantheon Global Secondary Fund II	New Enterprise Associates 9		186,676	66,768
Pantheon Global Secondary Fund II	New Enterprise Associates VIII		99,265	31,198
Pantheon Global Secondary Fund II	ONSET IV		1,112,190	607,657
Pantheon Global Secondary Fund II	Silver Cup Partners		1,459,762	41,019
Pantheon Global Secondary Fund II	Vision Capital Partners VI		2,425,738	274,724
Pantheon Global Secondary Fund II	Vision Capital V		2,061,979	666,821
Pantheon Global Secondary Fund II	Other		-36,005,591	991,990
Pantheon Global Secondary Fund III	ABRY Mezzanine Partners		3,041	25
Pantheon Global Secondary Fund III	ABS Capital Partners II		16,629	1,397
Pantheon Global Secondary Fund III	Alta California Partners III		182,483	20,644
Pantheon Global Secondary Fund III	Apax Europe V		145,407	1,391
Pantheon Global Secondary Fund III	Apax Europe VI		225,259	32,408
Pantheon Global Secondary Fund III	Apax Europe VI		56,315	8,102
Pantheon Global Secondary Fund III	Apax Europe VI		404,108	119,618
Pantheon Global Secondary Fund III	Apax Europe VII		304,841	79,114
Pantheon Global Secondary Fund III	Apax Europe VII		156,025	49,917
Pantheon Global Secondary Fund III	Apax Europe VII Side Car - 2		247,143	39,202
Pantheon Global Secondary Fund III	Apollo Investment Fund VI		352,287	95,979
Pantheon Global Secondary Fund III	Argan Capital		798,490	482,798
Pantheon Global Secondary Fund III	Atlas Venture Fund VI		201,931	91,523
Pantheon Global Secondary Fund III	Avista Capital Partners		1,623,088	652,699
Pantheon Global Secondary Fund III	AVM Capital		3,149,014	52,051
Pantheon Global Secondary Fund III	Baring Asia Private Equity Fund III		130,804	54,670
Pantheon Global Secondary Fund III	Blenheim Holdings		1,909,627	161,576
Pantheon Global Secondary Fund III	Brentwood Associates Private Equity III		800,031	23,657
Pantheon Global Secondary Fund III	Brentwood Associates Private Equity IV		1,136,300	700,810
Pantheon Global Secondary Fund III	Bridgepoint Europe IV		645,930	328,590
Pantheon Global Secondary Fund III	Candover 2005 Fund		381,688	105,214
Pantheon Global Secondary Fund III	Candover 2008 Fund		79,931	3,436
Pantheon Global Secondary Fund III	Catalyst Investors QP II		193,216	128,292
Pantheon Global Secondary Fund III	CCG Investment Partners		332,710	43,247
Pantheon Global Secondary Fund III	CenterPoint Venture Fund III (Q)		136,022	10,979
Pantheon Global Secondary Fund III	Channel Ventures		1,752,656	807,351
Pantheon Global Secondary Fund III	Churchill ESOP Capital Partners		40,425	2,176
Pantheon Global Secondary Fund III	Clyde Blowers Capital II		3,946,764	544,245
Pantheon Global Secondary Fund III	Columbia Capital Equity Partners III (Cayman)		25,009	2,188
Pantheon Global Secondary Fund III	Columbia Capital Equity Partners IV (QP)		2,957	1,286
Pantheon Global Secondary Fund III	CVC European Equity Partners IV		657,797	163,558
Pantheon Global Secondary Fund III	CVC European Equity Partners V		2,059,971	1,284,360
Pantheon Global Secondary Fund III	CVC Tandem Fund		808,462	42,037
Pantheon Global Secondary Fund III	Doughty Hanson & Co. III		37,996	36,791
Pantheon Global Secondary Fund III	Doughty Hanson & Co. III		314,861	186,137
Pantheon Global Secondary Fund III	EQT V (No 1)		156,975	27,097
Pantheon Global Secondary Fund III	FSPM		2,358,761	471,948
Pantheon Global Secondary Fund III	Global Buyout Fund		105,791	55,537
Pantheon Global Secondary Fund III	Global Catalyst Partners II		328,907	34,455
Pantheon Global Secondary Fund III	Global Private Equity III-B		13,832	9,381
Pantheon Global Secondary Fund III	Grandbanks Capital Venture Fund		394,558	19,014
Pantheon Global Secondary Fund III	Grandbanks Capital Venture Fund II		158,135	148,690
Pantheon Global Secondary Fund III	Harvest Partners IV		492,066	49,060
Pantheon Global Secondary Fund III	HIG Venture Investments		17,982	4,092
Pantheon Global Secondary Fund III	Industri Kapital 1997		49,330	415
Pantheon Global Secondary Fund III	Industri Kapital 2000		165,157	2,071
Pantheon Global Secondary Fund III	JK&B Fund III		6,667	191
Pantheon Global Secondary Fund III	JK&B Fund III		3,334	96
Pantheon Global Secondary Fund III	JK&B Fund III		166,673	4,786
Pantheon Global Secondary Fund III	JK&B Fund III		3,334	96
Pantheon Global Secondary Fund III	JK&B Fund III		7,167	206
Pantheon Global Secondary Fund III	JK&B Fund III		8,511	232
Pantheon Global Secondary Fund III	JK&B Fund III		4,395	121
Pantheon Global Secondary Fund III	JK&B Fund IV		326,080	50,230
Pantheon Global Secondary Fund III	JK&B Fund V		90,001	63,822
Pantheon Global Secondary Fund III	KKR European Fund II		317,764	16,865
Pantheon Global Secondary Fund III	Macquarie Global Opportunities Partners		606,387	8,208
Pantheon Global Secondary Fund III	MatlinPatterson Global Opportunities Partners II		140,460	7,842
Pantheon Global Secondary Fund III	MatlinPatterson II Preferred Partners		1,418,633	615,327
Pantheon Global Secondary Fund III	Monteverdi		6,594,646	1,391,019
Pantheon Global Secondary Fund III	Morgan Stanley Capital Partners IV		235,399	1,676
Pantheon Global Secondary Fund III	Oak Investment Partners X		292,872	173,265
Pantheon Global Secondary Fund III	Odin Partners		1,218,855	84,599
Pantheon Global Secondary Fund III	OVP Venture Partners VI		143,408	4,399
Pantheon Global Secondary Fund III	Pacven Walden Ventures IV		255,983	70,930
Pantheon Global Secondary Fund III	Pacven Walden Ventures V		456,763	201,133
Pantheon Global Secondary Fund III	Pantheon Cipio V Ltd		537,289	279,304
Pantheon Global Secondary Fund III	Papillon Partners		11,139,487	1,498,270
Pantheon Global Secondary Fund III	Permira IV		401,660	127,450
Pantheon Global Secondary Fund III	PGCO		1,872,447	1,355,376

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Security ID (CUSIP)	Description of Investment	Shares/Par	Cost	Current Value
Pantheon Global Secondary Fund III	Scale Venture Partners II		273,538	64,474
Pantheon Global Secondary Fund III	Sevin Rosen IX		88,493	12,923
Pantheon Global Secondary Fund III	Sevin Rosen VIII		63,906	3,280
Pantheon Global Secondary Fund III	Sprint Co-Invest GP		760,110	138,568
Pantheon Global Secondary Fund III	Terra Firma Capital Partners III		91,207	61,662
Pantheon Global Secondary Fund III	The Fourth Civen Fund		518,775	54,318
Pantheon Global Secondary Fund III	The Fourth Civen Fund		606,019	91,187
Pantheon Global Secondary Fund III	Third Civen Fund US No. 2		376,014	4,972
Pantheon Global Secondary Fund III	Third Civen Fund US No. 2		180,963	2,290
Pantheon Global Secondary Fund III	Thomas H. Lee Parallel Fund VI		117,399	92,523
Pantheon Global Secondary Fund III	Thomas H. Lee Parallel Fund VI		103,255	59,523
Pantheon Global Secondary Fund III	Unison Capital Partners II		182,896	1,513
Pantheon Global Secondary Fund III	Vestar Capital Partners III		30,971	5,967
Pantheon Global Secondary Fund III	Vestar Capital Partners IV		243,858	15,135
Pantheon Global Secondary Fund III	Vestar Capital Partners V-A		534,917	199,122
Pantheon Global Secondary Fund III	Vision Capital Partners VI B		841,379	13,631
Pantheon Global Secondary Fund III	Vision Capital Partners VI S		141,344	36,611
Pantheon Global Secondary Fund III	VVP II		107,696	48,115
Pantheon Global Secondary Fund III	ZM Private Equity Fund II		3,023,652	1,017,734
Pantheon Global Secondary Fund III	Other		-50,038,989	1,442,835
Pantheon Global Secondary Fund IV	Apax VIII - B		62,068	76,228
Pantheon Global Secondary Fund IV	Baring Asia Private Equity Fund IV		157,875	174,990
Pantheon Global Secondary Fund IV	Birkin Series A		11,423,622	4,133,446
Pantheon Global Secondary Fund IV	Birkin Series B		1,721,193	32,166
Pantheon Global Secondary Fund IV	Charlotte		5,622,981	3,876,718
Pantheon Global Secondary Fund IV	Essex Woodlands Special Situation Fund		358,215	0
Pantheon Global Secondary Fund IV	FSPM		888,476	177,828
Pantheon Global Secondary Fund IV	GE Asia SPV		4,192,980	419,473
Pantheon Global Secondary Fund IV	HgCapital 5		114,615	20,125
Pantheon Global Secondary Fund IV	NMS Fund		2,944,434	527,037
Pantheon Global Secondary Fund IV	NMS Fund II		123,861	116,914
Pantheon Global Secondary Fund IV	Nordic Capital VIII		44,483	48,453
Pantheon Global Secondary Fund IV	Pantheon Midstream Acquisition Corp		460,933	480,578
Pantheon Global Secondary Fund IV	Pantheon Midway Series A		4,169,199	3,780,795
Pantheon Global Secondary Fund IV	Pantheon Midway Series B		2,627,374	2,196,053
Pantheon Global Secondary Fund IV	Permira Europe III		129,746	9,865
Pantheon Global Secondary Fund IV	Permira IV		80,185	1,668
Pantheon Global Secondary Fund IV	PGCO		3,598,068	3,052,108
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Allied Glass		163,064	122,844
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Bracket		94,898	418,539
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series CSHC		78,955	139,383
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Globecomm		67,158	33,616
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Harding		74,026	128
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Heptagon		166,349	213,866
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series ILX		189,464	221,791
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Ingham		74,175	98,325
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Inseec		150,932	216,463
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series ISTA		152,558	249,786
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series MHE		182,975	230,847
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Mobilitie		256,133	366,872
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Neiman Marcus		149,273	122,835
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Standard		157,972	352,037
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series USI		124,680	386,991
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Vitruvian		137,673	314,702
Pantheon Global Secondary Fund IV	PGCO II (Sidecar) - Series Xeikon		137,841	1,704
Pantheon Global Secondary Fund IV	PGSH Series Acorn		227,433	159,291
Pantheon Global Secondary Fund IV	PGSH Series Adonis		268,078	81,478
Pantheon Global Secondary Fund IV	PGSH Series Barbudo		227,009	43,213
Pantheon Global Secondary Fund IV	PGSH Series Bridge		787,103	17,393
Pantheon Global Secondary Fund IV	PGSH Series Carnival		3,762,130	1,244,926
Pantheon Global Secondary Fund IV	PGSH Series Cherry		714,834	194,614
Pantheon Global Secondary Fund IV	PGSH Series Cherry II		690,546	634,872
Pantheon Global Secondary Fund IV	PGSH Series Cognito		1,201,544	537,852
Pantheon Global Secondary Fund IV	PGSH Series Friar		2,404,662	1,462,615
Pantheon Global Secondary Fund IV	PGSH Series Heritage		504,032	727
Pantheon Global Secondary Fund IV	PGSH Series Magnum		1,847,397	773,008
Pantheon Global Secondary Fund IV	PGSH Series Midnight		341,993	780
Pantheon Global Secondary Fund IV	PGSH Series Picasso		1,040,939	3,900
Pantheon Global Secondary Fund IV	PGSH Series Pike II		970,933	3,274
Pantheon Global Secondary Fund IV	PGSH Series Rock		277,488	2,759
Pantheon Global Secondary Fund IV	PGSH Series Rocket		483,678	264,673
Pantheon Global Secondary Fund IV	PGSH Series Sunflower		918,609	259,208
Pantheon Global Secondary Fund IV	PGSH Series Taurus		1,484,231	6,455
Pantheon Global Secondary Fund IV	PGSH Series Taurus II		213,514	5,540
Pantheon Global Secondary Fund IV	PGSH Series Timberline		1,422,749	1,175,934
Pantheon Global Secondary Fund IV	PGSH Series Topsail		808,813	46,851
Pantheon Global Secondary Fund IV	PGSH Series Vaughn		1,316,374	1,370,181
Pantheon Global Secondary Fund IV	Preston		3,271,405	596,409
Pantheon Global Secondary Fund IV	Providence Equity Partners VII		160,013	195,835
Pantheon Global Secondary Fund IV	Scale Venture Partners I		1,334,559	1,272,062
Pantheon Global Secondary Fund IV	Warburg Pincus Private Equity XI		361,148	404,529
Pantheon Global Secondary Fund IV	Other		-62,584,780	-3,760,524
BAIN CAPITAL X	BC CC	100	51,201	649,655
BAIN CAPITAL X	BC CCD	100	70,885	899,410
BAIN CAPITAL X	BC Genpact	100	330,841	4,197,809
BAIN CAPITAL X	BC IMC	100	192,967	2,448,422
BAIN CAPITAL X	BC Special Situations	100	7,515	95,353
BAIN CAPITAL FUND XI LP	BC GNDI Holdings II	100	3,973,108	6,715,819
CLARIONVALUE, LLC	CLARION VA CORE PORTFOLIO	100	36,507,702	48,936,843

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	CYPRESS GROVE INTL/1133 WEST LLC	Cypress Grove AV	100	30,103,364	8,189,537
	CYPRESS GROVE INTL/1133 WEST LLC	Cypress Grove Int D IW	100	5,531,521	1,504,835
	H&F INVESTORS V - BULLSHEAD	H&F Brewer AIV	100	0	3,221,886
	H & F VI/1133 WEST LLC	H&F CP AIV	100	0	2,760,190
	H & F VI/1133 WEST LLC	H&F CP Cayman	100	0	606,752
	H & F VI/1133 WEST LLC	H&F CP Domestic AIV	100	0	8,860,942
	H & F CORPORATE INVESTORS VII, LTC	H&F CP EFS AIV	100	3,649,940	6,903,948
	H & F VI/1133 WEST LLC	H&F CP Galaxy AIV	100	0	37,038
	H & F CORPORATE INVESTORS VII, LTC	H&F CP Shield	100	19,491,566	36,868,763
	H & F CORPORATE INVESTORS VII, LTC	H&F CP Wand AIV	100	2,641,175	4,995,846
	H & F CORPORATE INVESTORS VII, LTC	H&F CP Willis AIV	100	6,184,898	11,698,882
	KKR ASIAN FUND L.P./1133 WEST	KKR Ireland	100	0	368,898
	KKR ASIAN FUND L.P./1133 WEST	KKR Ireland II	100	0	5,777
	KKR ASIAN FUND L.P./1133 WEST	KKR Ireland III	100	0	1,630,119
	LONE STAR FUND V - BULLSHEAD I	LSF V DHB	100	-74,533	-53,179
	LONE STAR FUND VI	LSF VI Europe	100	0	27,416,215
	LONE STAR FUND VIII(BERMUDA) LP	LSF VIII Int'l	100	31,874	69,565
	LONE STAR FUND VIII(BERMUDA) LP	LSF VIII Int'l 2	100	1,546,474	3,375,159
	LONE STAR FUND VIII(BERMUDA) LP	LSF VIII Int'l Finance	100	15,900,973	34,703,662
	REDWOOD GROVE INTL/1133 WEST LLC	RG I AV	100	11,833,115	4,961,738
	REDWOOD GROVE INTL/1133 WEST LLC	RG I IW	100	3,228,036	1,353,546
	REDWOOD GROVE INTL/1133 WEST LLC	RG I USRE	100	2,456,644	1,030,094
	RHO VENTURES VI LP	Rho Ventures VI-MSM	100	373,837	318,382
	CS STRATEGIC PARTNERS V, LP	SP V AIV	100	-485	6,244
	STRATEGIC PARTNERS FUND VI LP	SP VI AIV	100	2,229,800	3,361,044
	STARWOOD US OPP VIII-1/C JEWELL	Starwood VIII Int'l Opportunity	100	0	5,459,089
	VESTAR CAPITAL PARTNERS IV L P	IBX Vestar IV AIV	100	0	1,256
	W P IX/1133 WEST LLC	WP Bermuda PE IX	100	0	1,696,110
	W P PRIVATE EQUITY X	WP Bermuda PE X	100	351,950	3,341,605
	W P PRIVATE EQUITY X	WP PE X Callisto-II	100	299,854	2,846,981
	W P PRIVATE EQUITY X	WP PE X O&G	100	1,912,267	18,156,111
	W P PRIVATE EQUITY XI, L.P.	WP PE XI Cayman	100	8,233,458	11,479,029
	W P PRIVATE EQUITY XI, L.P.	WP PE XI E&P	100	9,539,498	13,299,901
	W P PRIVATE EQUITY XI, L.P.	WP PE XI Int'l	100	2,364,693	3,296,838
	W P PRIVATE EQUITY XI, L.P.	WP PE XI Lexington	100	1,799,095	2,508,286
	W P PRIVATE EQUITY XI, L.P.	WP PE XI Universal	100	2,352,299	3,279,559
	W P PRIVATE EQUITY XII, L.P.	WP PE XII Cayman	100	1,927,092	1,754,631
	W P PRIVATE EQUITY XII, L.P.	WP PE XII E&P	100	494,902	450,612
	W P PRIVATE EQUITY XII, L.P.	WP PE XII FT-1	100	683,117	621,983
	W P PRIVATE EQUITY XII, L.P.	WP PE XII Int'l	100	80,430	73,232
	BLACKSTONE BREP IV/BULLSHEAD LL	BREP IV TE 3A Europe		0	586,659
	BLACKSTONE BREP IV/BULLSHEAD LL	BREP IV TE 3A		0	249,705
	BREP V/BULLSHEAD LLC	BREP V TE 1 Offshore		0	2,118,382
	BREP VI/BULLSHEAD LLC	BREP VI TE1 ESH		0	9,361,568
	BREP VI/BULLSHEAD LLC	BREP VI TE1 NQ		0	6,032,610
	BREP VI/BULLSHEAD LLC	BREP VI TE1 Offshore		0	10,986,502
	BREP VI/BULLSHEAD LLC	BREP VI TE1 Q Offshore		0	3,091,407
*	8C0917F	10 YEAR US TREASURY NOTES CA 127.00	-41	-10,194	-2,563
*	8C1485F	10 YEAR US TREASURY NOTES PU 121.00	-41	-16,601	-1,922
	90131HBR5	21ST CENTURY FOX AMERICA INC BOND FIXED	1,257,000	1,517,417	1,743,132
	90131HBJ3	21ST CENTURY FOX AMERICA INC BOND FIXED	970,000	1,307,595	1,319,443
	90131HBA2	21ST CENTURY FOX AMERICA INC BOND FIXED	1,175,000	1,362,341	1,476,329
	90131HAT2	21ST CENTURY FOX AMERICA INC BOND FIXED	725,000	852,389	892,584
	90131HCC7	21ST CENTURY FOX AMERICA INC CALLABLE NO	1,440,000	1,438,402	1,444,291
	90131HCA1	21ST CENTURY FOX AMERICA INC CALLABLE NO	1,615,000	1,612,899	1,583,152
	90131HBZ7	21ST CENTURY FOX AMERICA INC CALLABLE NO	1,700,000	1,723,988	1,747,090
	90131HBQ7	21ST CENTURY FOX AMERICA INC CALLABLE NO	30,825,000	35,788,344	36,458,885
	90131HBP9	21ST CENTURY FOX AMERICA INC CALLABLE NO	5,275,000	6,295,565	6,624,081
	90131HBN4	21ST CENTURY FOX AMERICA INC CALLABLE NO	1,190,000	1,781,402	1,611,399
	90131HBL8	21ST CENTURY FOX AMERICA INC CALLABLE NO	11,839,000	14,019,146	14,568,600
	90131HBK0	21ST CENTURY FOX AMERICA INC CALLABLE NO	15,465,000	17,523,273	18,098,071
	90131HBG9	21ST CENTURY FOX AMERICA INC CALLABLE NO	25,195,000	29,366,339	30,099,207
	90131HAR6	21ST CENTURY FOX AMERICA INC CALLABLE NO	2,700,000	2,803,653	2,687,310
	90131HAQ8	21ST CENTURY FOX AMERICA INC CALLABLE NO	4,660,000	5,110,154	4,982,192
	90131HAP0	21ST CENTURY FOX AMERICA INC CALLABLE NO	97,000	109,948	107,212
	90131HAN5	21ST CENTURY FOX AMERICA INC CALLABLE NO	1,225,000	1,485,276	1,345,467
	90131HAB1	21ST CENTURY FOX AMERICA INC CALLABLE NO	6,200,000	6,503,335	6,676,160
	90131HBF1	21ST CENTURY FOX AMERICA INC NOTES FIXED	9,128,000	10,292,278	10,723,392
	90131HBD6	21ST CENTURY FOX AMERICA INC NOTES FIXED	520,000	613,267	631,228
	90131HAW5	21ST CENTURY FOX AMERICA INC PUTABLE BON	1,680,000	2,227,291	2,209,838
	B1YW440	3I GROUP PLC COMMON STOCK GBP 73.8636	532,615	3,259,358	4,633,205
	88579YAW1	3M CO CALLABLE MEDIUM TERM NOTE FIXED 3.	860,000	819,950	766,449
	88579Y101	3M CO COMMON STOCK USD 0.01	65,762	4,934,040	11,743,120
	6C6736F	7A COMDTY CALL USD -.25 17/F .25	-44	-4,784	-880
	6C6745F	7A COMDTY CALL USD -.25 19/J .25	-44	-4,784	-440
	6C6737F	7A COMDTY PUT USD -1 17/FEB/ 1.00	-44	-2,444	-5,280
	6C6744F	7A COMDTY PUT USD -1 19/JAN/ 1.00	-44	-2,444	-4,840
	EDH7COS	90DAY EUROS FUTR INTEREST RATE 13/MAR/20	-603	0	-155,388
	EDZ7COS	90DAY EUROS FUTR INTEREST RATE 18/DEC/20	-757	0	646,287
	EDM8COS	90DAY EUROS FUTR INTEREST RATE 18/JUN/20	-12	0	18,588

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		BASE CURRENCY: USD			
IDENTITY OF ISSUE, BORROWER, LESSOR INTEREST-BEARING CASH (INCLUDING MM ACCTS & CD) -----		DESCRIPTION OF INVESTMENT SHARES / PAR	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
CCBPSDUS2 CASH COLLATERAL DOM MSF BNP USD		3,630,000.000	(3,630,000)	3,630,000	
CCSALXUS0 CASH COLLATERAL FUTURES CITI USD		25,000.000	(25,000)	25,000	
CCBPGDUS5 CASH COLLATERAL FWCC		813,000.000	(813,000)	813,000	
CCJPSTUS9 CASH TBA COLLATERAL		852,000.000	(852,000)	852,000	
CCSALTUS9 CASH TBA COLLATERAL INT PMT		1,027,000.000	(1,027,000)	1,027,000	
EXCCBKUSD EXCESS CASH CITI (CBK/SAL)		USD 147,107.070	(147,107)	147,107	
EXCGSCUSD EXCESS CASH GOLDMAN SACHS (GLM/GST/GSC))		USD 9,684,948.840	(9,684,949)	9,684,949	
CMEEURB0S MERILL LYNCH COLL		200,225.770	(216,717)	218,945	
594001992 MISCELLANEOUS INCOME		MONTHLY VARIABLE 12/31/2049	0	0	
CCUBSDUS2 UBS COLLATERAL FWCC		4,070,000.000	(4,070,000)	4,070,000	
TOTAL INTEREST-BEARING CASH (INCLUDING MM ACCTS & CD)			(20,465,773)	20,468,001	
ALL OTHER INTEREST BEARING CASH -----					
CCNABIUS9 BILATERAL COLLATERAL NAB		430,000.000	(430,000)	430,000	
CCFOBDUS9 CASH COLLATERAL DOM MSF FOB USD		1,010,000.000	(1,010,000)	1,010,000	
CMEPLNCSF CASH COLL CME CREDIT SUISSE		34,969.280	(8,782)	8,940	
JPMorgan Investor Services					
J.P.Morgan					

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
EXCSPLCCP	EXCESS CASH FOR CCP AT CREDIT SUISSE	PLN	SHARES / PAR		(10,938)	11,156
			43,832.010			
EXUBUSCCP	EXCESS CASH FOR CCP AT UBS SECURITIES LL	USD			(1)	1
			1.180			
99G220001	REPURCHASE AGREEMENT		7.980%	12/31/2049	(18,700,000)	18,700,000
			18,700,000.000			
99G540021	REPURCHASE AGREEMENT		7.980%	12/31/2049	(33,300,000)	33,300,000
			33,300,000.000			
TOTAL ALL OTHER INTEREST BEARING CASH CORPORATE DEBT INSTRUMENTS					(53,459,720)	53,460,098

05349UAP7	Avaya Inc Term B3 Loan-LX117856	MONTHLY	0.000%	10/26/2017	(74,275)	76,412
			93,072.220			
002799AX2	ABBEY NATIONAL TREASURY SERVICES PLC/UNI	SEMI-ANN.	2.500%	03/14/2019	(11,632,607)	11,636,531
			11,653,000.000			
00287YAU3	ABBVIE INC CALLABLE NOTES FIXED 2.3% 14/	SEMI-ANN.	2.300%	05/14/2021	(5,600,239)	5,664,156
			5,610,000.000			
00287YAX7	ABBVIE INC CALLABLE NOTES FIXED 2.85% 14	SEMI-ANN.	2.850%	05/14/2023	(4,499,415)	4,456,260
			4,500,000.000			
00404AAL3	ACADIA HEALTHCARE CO INC CALLABLE NOTES	SEMI-ANN.	6.500%	03/01/2024	(143,069)	150,150
			143,000.000			
00507VAG4	ACTIVISION BLIZZARD INC CALLABLE BOND FI	SEMI-ANN.	2.300%	09/15/2021	(898,902)	897,350
			900,000.000			
00131LAE5	AIA GROUP LTD CALLABLE MEDIUM TERM NOTE	SEMI-ANN.	4.500%	03/16/2046	(6,831,596)	7,487,711
			6,900,000.000			
00913RAA4	AIR LIQUIDE FINANCE SA CALLABLE NOTES FI	SEMI-ANN.	1.375%	09/27/2019	(573,620)	565,330
			575,000.000			
02007CAB8	ALLY AUTO RECEIVABLES TRUST 2016-1 2016-	MONTHLY	1.200%	08/15/2018	(454,972)	455,735
			455,000.000			
02343UAA3	AMCOR FINANCE USA INC CALLABLE NOTES FIX	SEMI-ANN.	3.625%	04/28/2026	(3,804,049)	3,843,663
			3,805,000.000			

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
023764AA1 AMERICAN AIRLINES 2016-2 CLASS A PASS TH		SEMI-ANN. 3.650% 12/15/2029		3,020,000.000	
				3,144,575	
02582JGU8 AMERICAN EXPRESS CREDIT ACCOUNT MASTER T		MONTHLY 1.490% 04/15/2020		1,433,000.000	
				1,441,539	
0258M0EB1 AMERICAN EXPRESS CREDIT CORP CALLABLE ME		SEMI-ANN. 2.250% 05/05/2021		22,170,000.000	
				22,183,933	
02665WBF7 AMERICAN HONDA FINANCE CORP CALLABLE MED		SEMI-ANN. 1.650% 07/12/2021		14,795,000.000	
				14,822,177	
026874DG9 AMERICAN INTERNATIONAL GROUP INC CALLABL		SEMI-ANN. 3.300% 03/01/2021		12,498,000.000	
				12,738,392	
03065JAF1 AMERICREDIT AUTOMOBILE RECEIVABLES TRUST		MONTHLY 2.470% 11/09/2020		695,000.000	
				702,076	
03066DAE6 AMERICREDIT AUTOMOBILE RECEIVABLES TRUST		MONTHLY 2.210% 05/10/2021		278,000.000	
				281,138	
03066DAF3 AMERICREDIT AUTOMOBILE RECEIVABLES TRUST		MONTHLY 2.870% 11/08/2021		1,402,000.000	
				1,429,492	
03065VAF4 AMERICREDIT AUTOMOBILE RECEIVABLES 2016-		MONTHLY 2.890% 01/10/2022		1,175,000.000	
				1,203,090	
037833CC2 APPLE INC CALLABLE NOTES FIXED 1.55% 04/		SEMI-ANN. 1.550% 08/04/2021		645,000.000	
				643,661	
037833BQ2 APPLE INC CALLABLE NOTES FIXED 1.7% 22/F		SEMI-ANN. 1.700% 02/22/2019		2,170,000.000	
				2,196,360	
040555CV4 ARIZONA PUBLIC SERVICE CO CALLABLE NOTES		SEMI-ANN. 2.550% 09/15/2026		270,000.000	
				253,643	
04570VAC7 ASSOCIATED MATERIALS LLC / AMH NEW FINAN		SEMI-ANN. 9.125% 11/01/2017		200,000.000	
				200,000	
00206RCR1 AT&T INC CALLABLE NOTES FIXED 2.8% 17/FE		SEMI-ANN. 2.800% 02/17/2021		1,355,000.000	
				1,376,720	
00206RDL3 AT&T INC CALLABLE NOTES FIXED 4.5% 09/MA		SEMI-ANN. 4.500% 03/09/2048		12,655,000.000	
				11,985,792	
00206RDM1 AT&T INC CALLABLE NOTES FIXED 4.55% 09/M		SEMI-ANN. 4.550% 03/09/2049		2,713,000.000	
				2,651,342	
JPMorgan Investor Services		J.P.Morgan			

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IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION		
05254HAA2 AUSTRALIA & NEW ZEALAND BANKING GROUP LT	SEMI-ANN. FLOATING 12/31/2049 6,425,000.000	(6,425,000)	6,565,915		
053332AU6 AUTOZONE INC CALLABLE NOTES FIXED 1.625%	SEMI-ANN. 1.625% 04/21/2019 105,000.000	(104,927)	104,966		
05348EAX7 AVALONBAY COMMUNITIES INC CALLABLE MEDIU	SEMI-ANN. 2.950% 05/11/2026 16,470,000.000	(16,524,592)	16,483,371		
05357HAA8 AVENTURA MALL TRUST 2013-AVM 2013-AVM A	MONTHLY FLOATING 12/05/2032 599,000.000	(638,122)	641,164		
053773BA4 AVIS BUDGET CAR RENTAL LLC / AVIS BUDGET	SEMI-ANN. 5.250% 03/15/2025 175,000.000	(157,308)	162,313		
053773BB2 AVIS BUDGET CAR RENTAL LLC / AVIS BUDGET	SEMI-ANN. 6.375% 04/01/2024 90,000.000	(90,000)	90,900		
05377RCD4 AVIS BUDGET RENTAL CAR FUNDING AESOP LLC	MONTHLY 2.990% 06/20/2022 645,000.000	(644,962)	664,577		
053807AS2 AVNET INC CALLABLE NOTES FIXED 4.625% 15	SEMI-ANN. 4.625% 04/15/2026 2,700,000.000	(2,680,452)	2,723,393		
05522RCV8 BA CREDIT CARD TRUST 2016-A1 A FLOATING	MONTHLY FLOATING 10/15/2021 1,031,000.000	(1,031,000)	1,033,296		
05950VAE0 BANC OF AMERICA COMMERCIAL MORTGAGE TRUS	MONTHLY 5.356% 10/10/2045 129,201.390	(129,667)	129,201		
060505DT8 BANK OF AMERICA CORP CALLABLE BOND VARIA	SEMI-ANN. FLOATING 12/31/2049 3,360,000.000	(3,296,550)	3,456,600		
06367THQ6 BANK OF MONTREAL MEDIUM TERM NOTE FIXED	SEMI-ANN. 1.500% 07/18/2019 18,756,000.000	(18,737,994)	18,767,441		
06406FAB9 BANK OF NEW YORK MELLON CORP/THE CALLABL	SEMI-ANN. 2.050% 05/03/2021 765,000.000	(764,640)	764,204		
06406FAC7 BANK OF NEW YORK MELLON CORP/THE CALLABL	SEMI-ANN. 2.800% 05/04/2026 285,000.000	(283,988)	284,572		
06406FAE3 BANK OF NEW YORK MELLON CORP/THE CALLABL	SEMI-ANN. 2.450% 08/17/2026 630,000.000	(627,581)	585,657		
06406GAA9 BANK OF NEW YORK MELLON CORP/THE CALLABL	SEMI-ANN. 3.000% 10/30/2028 1,810,000.000	(1,808,009)	1,816,623		
JPMorgan Investor Services		J.P.Morgan			

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT SHARES / PAR		COST OF ACQUISITION PROCEEDS FROM DISPOSITION	
06416CAC2 BANK OF NOVA SCOTIA/THE BOND FIXED 1.875		SEMI-ANN. 1.875% 04/26/2021 765,000.000		(760,907) 765,351	
064159HM1 BANK OF NOVA SCOTIA/THE NOTES FIXED 2.45		SEMI-ANN. 2.450% 03/22/2021 15,458,000.000		(15,457,849) 15,547,343	
06675FAH0 BANQUE FEDERATIVE DU CREDIT MUTUEL SA ME		SEMI-ANN. 2.500% 04/13/2021 11,690,000.000		(11,672,811) 11,728,693	
071813BQ1 BAXTER INTERNATIONAL INC CALLABLE NOTES		SEMI-ANN. 2.600% 08/15/2026 6,310,000.000		(6,303,942) 6,253,334	
05531FAV5 BB&T CORP CALLABLE MEDIUM TERM NOTE FIXE		SEMI-ANN. 2.050% 05/10/2021 16,678,000.000		(16,660,651) 16,657,207	
05491LAA6 BBCMS 2016-ETC MORTGAGE TRUST 2016-ETC A		MONTHLY 2.937% 08/14/2036 1,603,000.000		(1,651,036) 1,620,846	
084664CE9 BERKSHIRE HATHAWAY FINANCE CORP CALLABLE		SEMI-ANN. 1.450% 03/07/2018 435,000.000		(434,830) 435,557	
084670BQ0 BERKSHIRE HATHAWAY INC CALLABLE NOTES FI		SEMI-ANN. 2.200% 03/15/2021 5,716,000.000		(5,703,882) 5,807,732	
09225GAB0 BLACK SEA TRADE & DEVELOPMENT BANK BOND		SEMI-ANN. 4.875% 05/06/2021 1,180,000.000		(1,171,386) 1,193,275	
05565EAD7 BMW US CAPITAL LLC CALLABLE NOTES FIXED		SEMI-ANN. 1.500% 04/11/2019 842,000.000		(841,630) 841,636	
05565EAL9 BMW US CAPITAL LLC CALLABLE NOTES FIXED		SEMI-ANN. 1.850% 09/15/2021 18,898,000.000		(18,876,456) 18,348,429	
05565EAH8 BMW US CAPITAL LLC CALLABLE NOTES FIXED		SEMI-ANN. 2.800% 04/11/2026 15,910,000.000		(15,899,022) 16,151,436	
05565EAF2 BMW US CAPITAL LLC CALLABLE NOTES FIXED		SEMI-ANN. 2.000% 04/11/2021 9,450,000.000		(9,439,799) 9,493,001	
05582QAD9 BMW VEHICLE OWNER TRUST 2016-A 2016-A A3		MONTHLY 1.160% 11/25/2020 360,000.000		(359,998) 359,775	
05579HAC6 BNZ INTERNATIONAL FUNDING LTD/LONDON MED		SEMI-ANN. 2.100% 09/14/2021 3,515,000.000		(3,511,696) 3,498,866	
10112RAX2 BOSTON PROPERTIES LP CALLABLE NOTES FIXE		SEMI-ANN. 3.650% 02/01/2026 16,012,000.000		(16,015,282) 16,660,701	
JPMorgan Investor Services					
J.P.Morgan					

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
11133TAC7 BROADRIDGE FINANCIAL SOLUTIONS INC CALLA		SEMI-ANN. 3.400% 06/27/2026		(2,888,081)	
		2,900,000.000		2,897,303	
120568AX8 BUNGE LTD FINANCE CORP CALLABLE NOTES FI		SEMI-ANN. 3.250% 08/15/2026		(2,947,257)	
		2,950,000.000		2,962,111	
12189LAZ4 BURLINGTON NORTHERN SANTA FE LLC CALLABL		SEMI-ANN. 3.900% 08/01/2046		(4,564,131)	
		4,593,000.000		4,623,243	
LX1442350 Chemours Term Loan B 1L USD-LX144235		0.000% 05/12/2022		(166,349)	
		181,307.230		166,387	
128195AN4 CALATLANTIC GROUP INC CALLABLE NOTES FIX		SEMI-ANN. 5.250% 06/01/2026		(1,180,000)	
		1,180,000.000		1,185,900	
128195AH7 CALATLANTIC GROUP INC CALLABLE NOTES FIX		SEMI-ANN. 6.250% 12/15/2021		(36,465)	
		34,000.000		36,465	
13057YAB6 CALIFORNIA REPUBLIC AUTO RECEIVABLES TRU		MONTHLY 1.340% 03/15/2019		(316,971)	
		317,000.000		316,988	
136385AU5 CANADIAN NATURAL RESOURCES LTD CALLABLE		SEMI-ANN. 1.750% 01/15/2018		(4,899,365)	
		5,315,000.000		5,195,413	
13975NAH6 CAPITAL AUTO RECEIVABLES ASSET TRUST 201		MONTHLY FLOATING 11/20/2018		(483,000)	
		483,000.000		484,000	
14041NET4 CAPITAL ONE MULTI-ASSET EXECUTION TRUST		MONTHLY 1.480% 07/15/2020		(1,142,756)	
		1,138,000.000		1,141,201	
14041NFE6 CAPITAL ONE MULTI-ASSET EXECUTION TRUST		MONTHLY 1.340% 04/15/2022		(1,971,986)	
		1,972,000.000		1,974,304	
14041NFG1 CAPITAL ONE MULTI-ASSET EXECUTION TRUST		MONTHLY 1.660% 06/17/2024		(732,782)	
		733,000.000		731,774	
14314MAC7 CARMAX AUTO OWNER TRUST 2016-2 2016-2 A3		MONTHLY 1.520% 02/16/2021		(914,950)	
		915,000.000		920,361	
14314EAB7 CARMAX AUTO OWNER TRUST 2016-3 2016-3 A2		MONTHLY 1.170% 08/15/2019		(1,124,835)	
		1,125,000.000		1,123,964	
14912L6T3 CATERPILLAR FINANCIAL SERVICES CORP CALL		SEMI-ANN. 2.400% 08/09/2026		(3,999,640)	
		4,000,000.000		3,982,360	
1248EPBR3 CCO HOLDINGS LLC / CCO HOLDINGS CAPITAL		SEMI-ANN. 5.500% 05/01/2026		(513,000)	
		513,000.000		518,130	

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IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
15135UAH2 CENOVUS ENERGY INC CALLABLE NOTES FIXED			SEMI-ANN. 4.450% 09/15/2042			(82,673)		85,706	
			100,000.000						
15135BAE1 CENTENE CORP CALLABLE NOTES FIXED 5.625%			SEMI-ANN. 5.625% 02/15/2021			(4,846,000)		4,995,930	
			4,846,000.000						
15135BAG6 CENTENE CORP CALLABLE NOTES FIXED 6.125%			SEMI-ANN. 6.125% 02/15/2024			(720,595)		757,275	
			720,000.000						
12531YAL2 CFCRE COMMERCIAL MORTGAGE TRUST 2016-C4			MONTHLY 3.091% 05/10/2058			(200,840)		197,171	
			195,000.000						
808513AP0 CHARLES SCHWAB CORP/THE CALLABLE BOND VA			SEMI-ANN. FLOATING 12/31/2049			(3,930,000)		3,782,055	
			3,930,000.000						
161175AS3 CHARTER COMMUNICATIONS OPERATING LLC / C			SEMI-ANN. 4.464% 07/23/2022			(940,000)		1,018,932	
			940,000.000						
161175AT1 CHARTER COMMUNICATIONS OPERATING LLC / C			SEMI-ANN. 4.908% 07/23/2025			(1,342,910)		1,423,452	
			1,303,000.000						
161175AU8 CHARTER COMMUNICATIONS OPERATING LLC / C			SEMI-ANN. 6.384% 10/23/2035			(5,325,157)		5,870,773	
			5,075,000.000						
161175AV6 CHARTER COMMUNICATIONS OPERATING LLC / C			SEMI-ANN. 6.484% 10/23/2045			(16,228,668)		17,622,049	
			14,882,000.000						
161571GQ1 CHASE ISSUANCE TRUST 2014-A7 A7 1.38% 15			MONTHLY 1.380% 11/15/2019			(455,427)		457,222	
			455,000.000						
161571HB3 CHASE ISSUANCE TRUST 2016-A1 A FLOATING			MONTHLY FLOATING 05/17/2021			(1,367,000)		1,368,623	
			1,367,000.000						
161571HC1 CHASE ISSUANCE TRUST 2016-A2 A 1.37% 15/			MONTHLY 1.370% 06/15/2021			(1,635,996)		1,642,263	
			1,636,000.000						
161571HE7 CHASE ISSUANCE TRUST 2016-A4 A4 1.49% 15			MONTHLY 1.490% 07/15/2022			(2,556,573)		2,561,994	
			2,557,000.000						
161571HH0 CHASE ISSUANCE TRUST 2016-A7 A7 1.06% 16			MONTHLY 1.060% 09/16/2019			(381,967)		382,000	
			382,000.000						
6C3414B CHESAPEAKE ENERGY CORP(LAST OUT) LOAN/TE			SEMI-ANN. 0.000% 08/17/2021			(1,900,000)		1,923,716	
			1,900,000.000						
166764BH2 CHEVRON CORP CALLABLE NOTES FIXED 1.561%			SEMI-ANN. 1.561% 05/16/2019			(860,000)		859,372	
			860,000.000						
JPMorgan Investor Services			J.P.Morgan						

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			BASE CURRENCY: USD					
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
172441BA4 CINEMARK USA INC CALLABLE NOTES FIXED 4.			SEMI-ANN.	4.875%	06/01/2023	(128,700)		129,757
17275RBB7 CISCO SYSTEMS INC CALLABLE NOTES FIXED 1			SEMI-ANN.	1.600%	02/28/2019	(654,810)		661,563
17275RAU6 CISCO SYSTEMS INC CALLABLE NOTES FIXED 1			SEMI-ANN.	1.650%	06/15/2018	(1,265,580)		1,264,375
17275RBL5 CISCO SYSTEMS INC CALLABLE NOTES FIXED 2			SEMI-ANN.	2.500%	09/20/2026	(9,833,339)		9,891,013
17305EFA8 CITIBANK CREDIT CARD ISSUANCE TRUST 2013			MONTHLY	FLOATING	05/26/2020	(691,609)		691,629
17322VAT3 CITIGROUP COML MTG TR 2014-GC23 VAR 10JU			MONTHLY	3.622%	07/10/2047	(297,978)		299,967
17323YAD1 CITIGROUP COMMERCIAL MORTGAGE TRUST 2015			MONTHLY	3.762%	06/10/2048	(939,728)		961,905
17325GAD8 CITIGROUP COMMERCIAL MORTGAGE TRUST 2016			MONTHLY	3.154%	11/15/2049	(641,666)		642,566
172967KS9 CITIGROUP INC BOND FIXED 2.05% 07/JUN/20			SEMI-ANN.	2.050%	06/07/2019	(434,774)		437,936
172967JH5 CITIGROUP INC NOTES FIXED 1.8% 05/FEB/20			SEMI-ANN.	1.800%	02/05/2018	(586,082)		589,894
172967KE0 CITIGROUP INC NOTES FIXED 2.05% 07/DEC/2			SEMI-ANN.	2.050%	12/07/2018	(1,329,794)		1,322,522
184496AM9 CLEAN HARBORS INC CALLABLE NOTES FIXED 5			SEMI-ANN.	5.125%	06/01/2021	(85,213)		86,089
125896BQ2 CMS ENERGY CORP CALLABLE NOTES FIXED 3%			SEMI-ANN.	3.000%	05/15/2026	(214,187)		212,981
12592BAF1 CNH INDUSTRIAL CAPITAL LLC CALLABLE NOTE			SEMI-ANN.	4.875%	04/01/2021	(248,607)		249,920
191216BY5 COCA-COLA CO/THE CALLABLE NOTES FIXED 1.			SEMI-ANN.	1.550%	09/01/2021	(514,434)		513,020
191216BZ2 COCA-COLA CO/THE CALLABLE NOTES FIXED 2.			SEMI-ANN.	2.250%	09/01/2026	(409,524)		404,940

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191216BW9 COCA-COLA CO/THE CALLABLE NOTES FIXED 2.		SEMI-ANN. 2.550% 06/01/2026 19,786,000.000		(19,782,439) 20,335,701	
12630BBA5 COMM 2013-CCRE13 MORTGAGE TRUST 2013-CR1		MONTHLY FLOATING 11/10/2023 372,000.000		(419,256) 403,097	
12591QAR3 COMM 2014-UBS4 MORTGAGE TRUST 2014-UBS4		MONTHLY 3.694% 08/10/2047 591,000.000		(622,951) 612,807	
12593YBE2 COMMERCIAL MORTGAGE PASS THROUGH CERTIFI		MONTHLY 3.762% 02/10/2049 205,000.000		(211,141) 214,161	
2027A0HT9 COMMONWEALTH BANK OF AUSTRALIA NOTES FIX		SEMI-ANN. 2.850% 05/18/2026 515,000.000		(514,732) 524,874	
20271RAP5 COMMONWEALTH BANK OF AUSTRALIA/NEW YORK		SEMI-ANN. 2.550% 03/15/2021 10,015,000.000		(9,998,676) 10,142,709	
20605PAG6 CONCHO RESOURCES INC CALLABLE NOTES FIXE		SEMI-ANN. 4.375% 01/15/2025 6,404,000.000		(6,404,000) 6,404,000	
20826FAD8 CONOCOPHILLIPS CO CALLABLE NOTES FIXED 3		SEMI-ANN. 3.350% 11/15/2024 5,582,000.000		(4,896,317) 4,958,826	
P3143NAU8 CORP NACIONAL DEL COBRE DE CHILE BOND FI		SEMI-ANN. 4.875% 11/04/2044 200,000.000		(175,364) 184,914	
B73M3G8 CORP NACIONAL DEL COBRE DE CHILE NOTES F		SEMI-ANN. 3.875% 11/03/2021 228,000.000		(222,343) 231,778	
BYNFSC7 CORP NACIONAL DEL COBRE DE CHILE NOTES F		SEMI-ANN. 4.500% 09/16/2025 230,000.000		(219,657) 231,490	
22545XAD5 CREDIT SUISSE COMMERCIAL MORTGAGE TRUST		MONTHLY 5.383% 02/15/2040 335,909.870		(338,799) 335,910	
225433AL5 CREDIT SUISSE GROUP FUNDING GUERNSEY LTD		SEMI-ANN. 3.450% 04/16/2021 6,090,000.000		(6,096,534) 6,160,588	
225433AQ4 CREDIT SUISSE GROUP FUNDING GUERNSEY LTD		SEMI-ANN. 4.550% 04/17/2026 17,020,000.000		(17,051,682) 17,587,749	
225433AS0 CREDIT SUISSE GROUP FUNDING GUERNSEY LTD		SEMI-ANN. 3.800% 06/09/2023 5,190,000.000		(5,178,941) 5,277,483	
12636LAY6 CSAIL 2016-C5 COMMERCIAL MORTGAGE TRUST		MONTHLY 3.756% 11/15/2048 1,016,000.000		(1,046,478) 1,059,617	
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23380YAD9 DAI-ICHI LIFE INSURANCE CO LTD/THE CALLA		SEMI-ANN. FLOATING 12/31/2049		(9,371,000)		9,496,609	
		9,371,000.000					
233851CH5 DAIMLER FINANCE NORTH AMERICA LLC CALLAB		SEMI-ANN. 2.000% 07/06/2021		(2,199,164)		2,209,174	
		2,200,000.000					
23636AAE1 DANSKE BANK A/S MEDIUM TERM NOTE FIXED 2		SEMI-ANN. 2.800% 03/10/2021		(15,958,329)		16,120,812	
		15,962,000.000					
23312LAS7 DBJPM 16-C1 MORTGAGE TRUST 2016-C1 A4 3.		MONTHLY 3.276% 05/10/2049		(211,148)		212,495	
		205,000.000					
8B3781B DELL INTERNATIONAL LLC TERM LOAN B2 LX14		SEMI-ANN. 0.000% 04/29/2020		(998,551)		1,000,000	
		1,000,000.000					
24713GAD4 DELPHI AUTOMOTIVE PLC CALLABLE NOTES FIX		SEMI-ANN. 4.400% 10/01/2046		(3,153,686)		3,201,758	
		3,171,000.000					
25156PAV5 DEUTSCHE TELEKOM INTERNATIONAL FINANCE B		SEMI-ANN. 2.485% 09/19/2023		(6,319,621)		6,027,172	
		6,320,000.000					
25179MAK9 DEVON ENERGY CORP CALLABLE NOTES FIXED 4		SEMI-ANN. 4.000% 07/15/2021		(226,094)		242,063	
		240,000.000					
25272KAW3 DIAMOND 1 FINANCE CORP / DIAMOND 2 FINAN		SEMI-ANN. 7.125% 06/15/2024		(2,100,000)		2,287,544	
		2,100,000.000					
25389JAN6 DIGITAL REALTY TRUST LP CALLABLE NOTES F		SEMI-ANN. 3.400% 10/01/2020		(598,662)		624,498	
		600,000.000					
254683BB0 DISCOVER CARD EXECUTION NOTE TRUST 2013-		MONTHLY FLOATING 08/17/2020		(376,411)		376,220	
		376,000.000					
254683BS3 DISCOVER CARD EXECUTION NOTE TRUST 2016-		MONTHLY 1.640% 07/15/2021		(669,839)		676,412	
		670,000.000					
25470XAX3 DISH DBS CORP CALLABLE NOTES FIXED 7.75%		SEMI-ANN. 7.750% 07/01/2026		(1,330,891)		1,414,903	
		1,325,000.000					
25470XAY1 DISH DBS CORP CALLABLE NOTES FIXED 7.75%		SEMI-ANN. 7.750% 07/01/2026		(1,381,115)		1,497,053	
		1,375,000.000					
23341CAA1 DNB BANK ASA NOTES FIXED 2.375% 02/JUN/2		SEMI-ANN. 2.375% 06/02/2021		(1,047,396)		1,060,800	
		1,050,000.000					
M2851HAA2 DP WORLD LTD MEDIUM TERM NOTE FIXED 6.85		SEMI-ANN. 6.850% 07/02/2037		(92,125)		102,500	
		100,000.000					
JPMorgan Investor Services		J.P.Morgan					

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250847EJ5 DTE ELECTRIC CO CALLABLE BOND FIXED 2.65	SEMI-ANN. 2.650% 06/15/2022 2,740,000.000	(2,825,547)	2,774,990		
26441YAZ0 DUKE REALTY LP CALLABLE NOTES FIXED 3.25	SEMI-ANN. 3.250% 06/30/2026 1,800,000.000	(1,783,260)	1,822,536		
26969PAA6 EAGLE MATERIALS INC CALLABLE NOTES FIXED	SEMI-ANN. 4.500% 08/01/2026 2,080,000.000	(2,100,800)	2,048,800		
278642AP8 EBAY INC CALLABLE NOTES FIXED 2.5% 09/MA	SEMI-ANN. 2.500% 03/09/2018 3,381,000.000	(3,377,518)	3,401,513		
278865AV2 ECOLAB INC CALLABLE NOTES FIXED 2.7% 01/	SEMI-ANN. 2.700% 11/01/2026 1,820,000.000	(1,814,267)	1,816,796		
278865AW0 ECOLAB INC CALLABLE NOTES FIXED 3.7% 01/	SEMI-ANN. 3.700% 11/01/2046 1,010,000.000	(1,005,445)	1,016,076		
283677AZ5 EL PASO ELECTRIC CO CALLABLE NOTES FIXED	SEMI-ANN. 5.000% 12/01/2044 150,000.000	(157,052)	165,308		
285512AD1 ELECTRONIC ARTS INC CALLABLE NOTES FIXED	SEMI-ANN. 4.800% 03/01/2026 75,000.000	(74,752)	75,578		
556227AA4 ELEVEN MADISON TRUST 2015-11MD MORTGAGE	MONTHLY FLOATING 09/10/2035	0	0		
29103DAA4 EMERA US FINANCE LP CALLABLE NOTES FIXED	SEMI-ANN. 2.150% 06/15/2019 2,485,000.000	(2,484,081)	2,493,847		
29273RAQ2 ENERGY TRANSFER PARTNERS LP CALLABLE NOT	SEMI-ANN. 5.200% 02/01/2022 1,730,000.000	(1,637,155)	1,892,707		
29364DAU4 ENTERGY ARKANSAS INC CALLABLE OTHER SECU	SEMI-ANN. 3.500% 04/01/2026 610,000.000	(607,993)	658,786		
29379VBK8 ENTERPRISE PRODUCTS OPERATING LLC CALLAB	SEMI-ANN. 2.850% 04/15/2021 5,650,000.000	(5,654,159)	5,700,087		
26907YAA2 ESH HOSPITALITY INC CALLABLE NOTES FIXED	SEMI-ANN. 5.250% 05/01/2025 75,000.000	(73,931)	73,125		
29717PAQ0 ESSEX PORTFOLIO LP CALLABLE NOTES FIXED	SEMI-ANN. 3.375% 04/15/2026 13,472,000.000	(13,455,338)	13,606,720		
30040WAA6 EVERSOURCE ENERGY CALLABLE NOTES FIXED 2	SEMI-ANN. 2.500% 03/15/2021 12,774,000.000	(12,773,136)	13,023,933		
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30040WAB4 EVERSOURCE ENERGY CALLABLE NOTES FIXED 3			SEMI-ANN. 3.350% 03/15/2026			(1,111,610)		1,142,630	
			1,115,000.000						
30219GAL2 EXPRESS SCRIPTS HOLDING CO CALLABLE BOND			SEMI-ANN. 3.300% 02/25/2021			(1,057,774)		1,108,523	
			1,060,000.000						
30231GAU6 EXXON MOBIL CORP CALLABLE NOTES FIXED 1.			SEMI-ANN. 1.439% 03/01/2018			(875,000)		875,584	
			875,000.000						
30231GAP7 EXXON MOBIL CORP CALLABLE NOTES FIXED 1.			SEMI-ANN. 1.708% 03/01/2019			(885,023)		892,127	
			885,000.000						
3136ASVZ6 FANNIE MAE-ACES 2016-M6 A2 2.488% 25/MAY			MONTHLY 2.488% 05/25/2026			(971,572)		978,534	
			962,000.000						
34530HAC4 FORD CREDIT AUTO OWNER TRUST 2014-A 2014			MONTHLY 0.790% 05/15/2018			(126,155)		126,204	
			126,312.690						
34530PAD4 FORD CREDIT AUTO OWNER TRUST 2014-C 2014			MONTHLY 1.060% 05/15/2019			(595,534)		596,405	
			596,000.000						
34531PAB7 FORD CREDIT AUTO OWNER TRUST 2016-A 2016			MONTHLY 1.120% 12/15/2018			(734,959)		735,899	
			735,000.000						
34531PAE1 FORD CREDIT AUTO OWNER TRUST 2016-A 2016			MONTHLY 1.600% 06/15/2021			(612,550)		616,626	
			612,000.000						
34532EAD7 FORD CREDIT AUTO OWNER TRUST 2016-B 2016			MONTHLY 1.330% 10/15/2020			(1,256,881)		1,259,484	
			1,257,000.000						
34532EAE5 FORD CREDIT AUTO OWNER TRUST 2016-B 2016			MONTHLY 1.520% 08/15/2021			(265,956)		267,455	
			266,000.000						
34530UAA9 FORD CREDIT AUTO OWNER TRUST 2016-REV1 2			MONTHLY 2.310% 08/15/2027			(4,439,081)		4,505,401	
			4,440,000.000						
34528QDM3 FORD CREDIT FLOORPLAN MASTER OWNER TRUST			MONTHLY FLOATING 08/15/2019			(663,000)		663,725	
			663,000.000						
34528QEP5 FORD CREDIT FLOORPLAN MASTER OWNER TRUST			MONTHLY FLOATING 02/15/2021			(724,000)		729,600	
			724,000.000						
345397XY4 FORD MOTOR CREDIT CO LLC NOTES FIXED 2.0			SEMI-ANN. 2.021% 05/03/2019			(5,765,000)		5,741,565	
			5,765,000.000						
34959JAA6 FORTIVE CORP CALLABLE NOTES FIXED 1.8% 1			SEMI-ANN. 1.800% 06/15/2019			(3,111,667)		3,121,207	
			3,115,000.000						
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			BASE CURRENCY: USD					
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
34959JAC2 FORTIVE CORP CALLABLE NOTES FIXED 3.15%			SEMI-ANN. 3.150% 06/15/2026			(383,629)		386,857
LX1289150 Gardner Denver Inc USD TL-LX128915			385,000.000 0.000% 07/30/2020			(178,000)		184,041
36164YAA9 GCP APPLIED TECHNOLOGIES INC CALLABLE NO			SEMI-ANN. 9.500% 02/01/2023			(125,000)		136,250
36962G7G3 GENERAL ELECTRIC CO MEDIUM TERM NOTE FIX			SEMI-ANN. 2.300% 01/14/2019			(1,329,448)		1,318,922
373334KE0 GEORGIA POWER CO CALLABLE NOTES FIXED 3.			SEMI-ANN. 3.250% 04/01/2026			(916,541)		969,340
375558BE2 GILEAD SCIENCES INC CALLABLE NOTES FIXED			SEMI-ANN. 1.850% 09/04/2018			(1,255,288)		1,256,404
375558BH5 GILEAD SCIENCES INC CALLABLE NOTES FIXED			SEMI-ANN. 1.950% 03/01/2022			(3,980,783)		4,003,965
378272AD0 GLENCORE FUNDING LLC CALLABLE NOTES FIXE			SEMI-ANN. 2.500% 01/15/2019			(3,654,370)		3,960,702
36251LAD5 GM FINANCIAL AUTOMOBILE LEASING TRUST 20			MONTHLY 1.620% 09/20/2019			(1,075,894)		1,084,532
38148BAC2 GOLDMAN SACHS GROUP INC/THE CALLABLE BON			SEMI-ANN. FLOATING 12/31/2049			(14,135,000)		14,161,026
36252WAX6 GS MORTGAGE SECURITIES TRUST 2014-GC20 2			MONTHLY 3.998% 04/10/2047			(117,196)		122,074
36252AAC0 GS MORTGAGE SECURITIES TRUST 2015-GS1 20			MONTHLY 3.734% 11/10/2048			(78,416)		82,008
418056AU1 HASBRO INC CALLABLE NOTES FIXED 5.1% 15/			SEMI-ANN. 5.100% 05/15/2044			(513,902)		560,466
42225UAD6 HEALTHCARE TRUST OF AMERICA HOLDINGS LP			SEMI-ANN. 3.500% 08/01/2026			(214,400)		214,744
421924BT7 HEALTHSOUTH CORP CALLABLE NOTES FIXED 5.			SEMI-ANN. 5.750% 09/15/2025			(224,125)		228,830
428040CN7 HERTZ CORP/THE CALLABLE NOTES FIXED 6.25			SEMI-ANN. 6.250% 10/15/2022			(49,883)		54,270
			54,000.000					
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			BASE CURRENCY: USD					
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
459058EW9	INTERNATIONAL BANK FOR RECONSTRUCTION &	SEMI-ANN. 1.625% 03/09/2021	674,000.000			(672,969)		677,889
459200JG7	INTERNATIONAL BUSINESS MACHINES CORP CAL	SEMI-ANN. 3.450% 02/19/2026	20,120,000.000			(20,059,458)		20,766,557
461070AN4	INTERSTATE POWER & LIGHT CO CALLABLE BON	SEMI-ANN. 3.700% 09/15/2046	205,000.000			(203,565)		204,329
46646GAA5	J.P. MORGAN CHASE COMMERCIAL MORTGAGE SE	MONTHLY FLOATING 10/06/2038	1,681,000.000			(1,715,474)		1,733,006
46849LSR3	JACKSON NATIONAL LIFE GLOBAL FUNDING MED	SEMI-ANN. 2.100% 10/25/2021	790,000.000			(789,518)		788,965
24422ETG4	JOHN DEERE CAPITAL CORP BOND FIXED 2.8%	SEMI-ANN. 2.800% 03/06/2023	23,320,000.000			(23,331,062)		23,879,720
24422ETF6	JOHN DEERE CAPITAL CORP NOTES FIXED 2.55	SEMI-ANN. 2.550% 01/08/2021	11,315,000.000			(11,325,100)		11,451,025
478160BT0	JOHNSON & JOHNSON CALLABLE NOTES FIXED 2	SEMI-ANN. 2.050% 03/01/2023	1,785,000.000			(1,780,252)		1,791,605
478160BY9	JOHNSON & JOHNSON CALLABLE NOTES FIXED 2	SEMI-ANN. 2.450% 03/01/2026	13,685,000.000			(13,665,704)		13,597,645
46590MAR1	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	MONTHLY 2.821% 08/15/2049	984,000.000			(1,013,516)		1,000,259
46590RAE9	JP MORGAN CHASE COMMERCIAL MORTGAGE SECU	MONTHLY 2.870% 08/15/2049	153,000.000			(157,589)		155,803
46644YAW0	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	MONTHLY 3.539% 08/15/2048	277,000.000			(286,370)		293,752
46645LAY3	JPMBB COMMERCIAL MORTGAGE SECURITIES TRU	MONTHLY 3.576% 03/15/2049	306,000.000			(315,178)		315,276
46646RAJ2	JPMDB COMMERCIAL MORTGAGE SECURITIES TRU	MONTHLY 3.141% 12/15/2049	213,000.000			(219,389)		208,565
46625HQB9	JPMORGAN CHASE & CO CALLABLE BOND VARIAB	QUARTERLY FLOATING 03/01/2021	600,000.000			(600,000)		616,863
485170AV6	KANSAS CITY SOUTHERN CALLABLE NOTES FIXE	SEMI-ANN. 3.000% 05/15/2023	1,175,000.000			(1,174,455)		1,198,101
JPMorgan Investor Services			J.P.Morgan					

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485170AQ7 KANSAS CITY SOUTHERN CALLABLE NOTES FIXE		SEMI-ANN. 4.300% 05/15/2043		(1,973,646)		2,086,915	
		2,025,000.000					
485170AS3 KANSAS CITY SOUTHERN CALLABLE NOTES FIXE		SEMI-ANN. 4.950% 08/15/2045		(543,545)		549,017	
		545,000.000					
49327V2A1 KEYBANK NA/CLEVELAND OH MEDIUM TERM NOTE		SEMI-ANN. 3.400% 05/20/2026		(498,780)		496,855	
		500,000.000					
493267AK4 KEYCORP CALLABLE BOND VARIABLE USD 1000		QUARTERLY FLOATING 12/31/2049		(8,150,000)		8,180,338	
		8,150,000.000					
493738AC2 KIA MOTORS CORP NOTES FIXED 2.625% 21/AP		SEMI-ANN. 2.625% 04/21/2021		(1,539,762)		1,564,869	
		1,545,000.000					
493738AD0 KIA MOTORS CORP NOTES FIXED 3.25% 21/APR		SEMI-ANN. 3.250% 04/21/2026		(1,436,446)		1,461,964	
		1,445,000.000					
494368BU6 KIMBERLY-CLARK CORP CALLABLE NOTES FIXED		SEMI-ANN. 2.750% 02/15/2026		(134,498)		135,130	
		135,000.000					
494550BE5 KINDER MORGAN ENERGY PARTNERS LP CALLABL		SEMI-ANN. 5.300% 09/15/2020		(488,588)		536,486	
		505,000.000					
49461BAF1 KINETIC CONCEPTS INC / KCI USA INC CALLA		SEMI-ANN. 7.875% 02/15/2021		(136,000)		143,255	
		136,000.000					
50077LAF3 KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE		SEMI-ANN. 1.600% 06/30/2017		(6,595,842)		6,613,068	
		6,600,000.000					
50077LAC0 KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE		SEMI-ANN. 3.000% 06/01/2026		(6,132,110)		6,142,792	
		6,160,000.000					
50077LAA4 KRAFT HEINZ FOODS CO CALLABLE NOTES FIXE		SEMI-ANN. 4.375% 06/01/2046		(11,655,051)		12,076,832	
		11,672,000.000					
501044DC2 KROGER CO/THE CALLABLE NOTES FIXED 3.5%		SEMI-ANN. 3.500% 02/01/2026		(1,361,765)		1,370,637	
		1,365,000.000					
48268KAE1 KT CORP NOTES FIXED 2.5% 18/JUL/2026 USD		SEMI-ANN. 2.500% 07/18/2026		(3,817,340)		3,861,580	
		3,847,000.000					
50587KAA9 LAFARGEHOLCIM FINANCE US LLC CALLABLE NO		SEMI-ANN. 3.500% 09/22/2026		(1,960,352)		1,980,502	
		1,962,000.000					
512807AQ1 LAM RESEARCH CORP CALLABLE NOTES FIXED 3		SEMI-ANN. 3.450% 06/15/2023		(214,349)		217,430	
		215,000.000					
JPMorgan Investor Services		J.P.Morgan					

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
512807AP3	LAM RESEARCH CORP CALLABLE NOTES FIXED 3	SEMI-ANN.	3.900%	06/15/2026	(12,023,337)	12,704,327
513075BJ9	LAMAR MEDIA CORP CALLABLE NOTES FIXED 5.	SEMI-ANN.	5.750%	02/01/2026	(72,000)	76,140
52107QAH8	LAZARD GROUP LLC CALLABLE NOTES FIXED 3.	SEMI-ANN.	3.625%	03/01/2027	(178,934)	172,660
527298BL6	LEVEL 3 FINANCING INC CALLABLE NOTES FIX	SEMI-ANN.	5.250%	03/15/2026	(258,000)	260,580
527298BH5	LEVEL 3 FINANCING INC CALLABLE NOTES FIX	SEMI-ANN.	5.375%	05/01/2025	(180,000)	184,835
539830AY5	LOCKHEED MARTIN CORP CALLABLE NOTES FIXE	SEMI-ANN.	3.350%	09/15/2021	(1,384,408)	1,395,478
540424AS7	LOEWS CORP CALLABLE NOTES FIXED 3.75% 01	SEMI-ANN.	3.750%	04/01/2026	(216,531)	219,808
LX1364280	Millennium Labs TrB TL-LX136428	SEMI-ANN.	0.000%	04/16/2021	405,027	(581,562)
3C1262B	MANITOWOC FOODSERVICE 1L TL-B (FIRST-LIE	SEMI-ANN.	0.000%	01/26/2023	(134,260)	137,685
56501RAD8	MANULIFE FINANCIAL CORP CALLABLE NOTES F	SEMI-ANN.	5.375%	03/04/2046	(448,403)	542,049
570535AQ7	MARKEL CORP CALLABLE NOTES FIXED 5% 05/A	SEMI-ANN.	5.000%	04/05/2046	(3,820,338)	3,866,630
571748BA9	MARSH & MCLENNAN COS INC CALLABLE NOTES	SEMI-ANN.	3.300%	03/14/2023	(3,314,284)	3,320,237
552697AQ7	MDC PARTNERS INC CALLABLE NOTES FIXED 6.	SEMI-ANN.	6.500%	05/01/2024	(676,640)	685,125
58405UAD4	MEDCO HEALTH SOLUTIONS INC CALLABLE NOTE	SEMI-ANN.	7.125%	03/15/2018	(1,243,800)	1,231,076
58769BAD6	MERCEDES-BENZ AUTO RECEIVABLES TRUST 201	MONTHLY	1.260%	02/16/2021	(1,314,004)	1,313,227
58769BAE4	MERCEDES-BENZ AUTO RECEIVABLES TRUST 201	MONTHLY	1.460%	12/15/2022	(475,894)	477,488

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58768UAF0 MERCEDES-BENZ MASTER OWNER TRUST 2016-B		MONTHLY FLOATING 05/17/2021		(1,098,000)		1,105,849	
		1,098,000.000					
552848AF0 MGIC INVESTMENT CORP CALLABLE NOTES FIXE		SEMI-ANN. 5.750% 08/15/2023		(1,600,000)		1,681,569	
		1,600,000.000					
595137AB6 MICROSEMI CORP CALLABLE NOTES FIXED 9.12		SEMI-ANN. 9.125% 04/15/2023		(454,000)		498,878	
		454,000.000					
60687YAD1 MIZUHO FINANCIAL GROUP INC NOTES FIXED 3		SEMI-ANN. 3.477% 04/12/2026		(22,075,009)		22,416,616	
		21,999,000.000					
55312YAE2 ML-CFC COMMERCIAL MORTGAGE TRUST 2007-5		MONTHLY 5.378% 08/12/2048		(317,193)		314,146	
		314,145.570					
60871RAE0 MOLSON COORS BREWING CO CALLABLE NOTES F		SEMI-ANN. 1.450% 07/15/2019		(3,641,179)		3,648,055	
		3,643,000.000					
61690AAE4 MORGAN STANLEY BANK OF AMERICA MERRILL L		MONTHLY 3.753% 12/15/2047		(98,057)		100,940	
		94,000.000					
61690QAD1 MORGAN STANLEY BANK OF AMERICA MERRILL L		MONTHLY 3.451% 07/15/2050		(123,746)		126,294	
		121,000.000					
61766EBE4 MORGAN STANLEY BANK OF AMERICA MERRILL L		MONTHLY 3.325% 05/15/2049		(1,324,511)		1,357,032	
		1,286,000.000					
61766LBR9 MORGAN STANLEY BANK OF AMERICA MERRILL L		MONTHLY 3.272% 01/15/2049		(374,161)		362,394	
		354,000.000					
61766LBS7 MORGAN STANLEY BANK OF AMERICA MERRILL L		MONTHLY 3.544% 01/15/2049		(26,973)		27,162	
		25,000.000					
61766NBB0 MORGAN STANLEY BANK OF AMERICA MERRILL L		MONTHLY 2.860% 09/15/2049		(1,251,360)		1,252,684	
		1,215,000.000					
61690YBU5 MORGAN STANLEY CAPITAL I TRUST 2016-BNK2		MONTHLY 3.049% 11/15/2049		(608,710)		606,491	
		591,000.000					
61766CAE9 MORGAN STANLEY CAPITAL I TRUST 2016-UBS9		MONTHLY 3.594% 03/15/2049		(252,332)		252,044	
		245,000.000					
63254AAP3 NATIONAL AUSTRALIA BANK LTD/NEW YORK BON		SEMI-ANN. 3.375% 01/14/2026		(3,934,390)		3,953,977	
		3,965,000.000					
63254AAN8 NATIONAL AUSTRALIA BANK LTD/NEW YORK MED		SEMI-ANN. 2.625% 01/14/2021		(2,552,269)		2,581,875	
		2,560,000.000					
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63938CAD0 NAVIENT CORP CALLABLE NOTES FIXED 6.625%		SEMI-ANN. 6.625% 07/26/2021		415,000.000	
				(415,000)	
63939NAA1 NAVIENT PRIVATE EDUCATION LOAN TRUST 201		MONTHLY FLOATING 12/15/2025		561,000.000	
				(561,000)	
63939NAC7 NAVIENT PRIVATE EDUCATION LOAN TRUST 201		MONTHLY FLOATING 12/15/2045		778,000.000	
				(769,924)	
64110LAJ5 NETFLIX INC CALLABLE BOND FIXED 5.5% 15/		SEMI-ANN. 5.500% 02/15/2022		300,000.000	
				(300,263)	
64110LAL0 NETFLIX INC CALLABLE BOND FIXED 5.875% 1		SEMI-ANN. 5.875% 02/15/2025		659,000.000	
				(664,403)	
649322AC8 NEW YORK AND PRESBYTERIAN HOSPITAL/THE C		SEMI-ANN. 3.563% 08/01/2036		2,275,000.000	
				(2,274,932)	
64952WCH4 NEW YORK LIFE GLOBAL FUNDING NOTES FIXED		SEMI-ANN. 2.350% 07/14/2026		7,943,000.000	
				(7,939,675)	
651290AQ1 NEWFIELD EXPLORATION CO CALLABLE NOTES F		SEMI-ANN. 5.625% 07/01/2024		230,000.000	
				(216,808)	
65339KAR1 NEXTERA ENERGY CAPITAL HOLDINGS INC CALL		SEMI-ANN. 2.300% 04/01/2019		3,830,000.000	
				(3,826,132)	
654579AE1 NIPPON LIFE INSURANCE CO CALLABLE BOND V		SEMI-ANN. FLOATING 01/20/2046		845,000.000	
				(845,000)	
65478UAD1 NISSAN AUTO RECEIVABLES 2016-A OWNER TRU		MONTHLY 1.340% 10/15/2020		377,000.000	
				(376,914)	
65478VAD9 NISSAN AUTO RECEIVABLES 2016-B OWNER TRU		MONTHLY 1.320% 01/15/2021		1,338,000.000	
				(1,337,792)	
65478WAE5 NISSAN AUTO RECEIVABLES 2016-C OWNER TRU		MONTHLY 1.380% 01/17/2023		201,000.000	
				(200,957)	
654740AS8 NISSAN MOTOR ACCEPTANCE CORP CALLABLE BO		SEMI-ANN. 1.900% 09/14/2021		5,658,000.000	
				(5,647,250)	
654740AN9 NISSAN MOTOR ACCEPTANCE CORP NOTES FIXED		SEMI-ANN. 2.550% 03/08/2021		13,743,000.000	
				(13,726,371)	
65557CAS2 NORDEA BANK AB MEDIUM TERM NOTE FIXED 2.		SEMI-ANN. 2.250% 05/27/2021		22,504,000.000	
				(22,435,363)	
				22,569,938	

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655844BS6 NORFOLK SOUTHERN CORP CALLABLE NOTES FIX	SEMI-ANN. 2.900% 06/15/2026 13,080,000.000	(13,035,790)	13,200,422		
670001AC0 NOVELIS CORP CALLABLE NOTES FIXED 5.875%	SEMI-ANN. 5.875% 09/30/2026 3,400,000.000	(3,400,000)	3,438,250		
62947QAV0 NXP BV / NXP FUNDING LLC CALLABLE NOTES	SEMI-ANN. 4.625% 06/01/2023 1,420,000.000	(1,478,500)	1,496,644		
674599CK9 OCCIDENTAL PETROLEUM CORP CALLABLE NOTES	SEMI-ANN. 2.600% 04/15/2022 7,325,000.000	(7,321,338)	7,376,524		
69371RN28 PACCAR FINANCIAL CORP MEDIUM TERM NOTE F	SEMI-ANN. 1.300% 05/10/2019 6,314,000.000	(6,310,275)	6,311,411		
694308HN0 PACIFIC GAS & ELECTRIC CO CALLABLE NOTES	SEMI-ANN. 4.250% 03/15/2046 895,000.000	(1,003,312)	932,556		
713448DN5 PEPSICO INC CALLABLE NOTES FIXED 2.375%	SEMI-ANN. 2.375% 10/06/2026 450,000.000	(449,919)	448,030		
713448DF2 PEPSICO INC CALLABLE NOTES FIXED 2.85% 2	SEMI-ANN. 2.850% 02/24/2026 5,570,000.000	(5,565,655)	5,604,353		
714264AD0 PERNOD RICARD SA NOTES FIXED 4.45% 15/JA	SEMI-ANN. 4.450% 01/15/2022 9,410,000.000	(10,211,952)	10,384,500		
B7K9254 PERTAMINA PERSERO PT NOTES FIXED 4.875%	SEMI-ANN. 4.875% 05/03/2022 150,000.000	(147,900)	153,015		
2C7863B PETCO ANIMAL SUPPLIES 1L TLB1 CL LX15046	SEMI-ANN. 0.000% 01/14/2023 285,000.000	(279,300)	284,077		
71645WAM3 PETROBRAS GLOBAL FINANCE BV CALLABLE BON	SEMI-ANN. 5.875% 03/01/2018 800,000.000	(739,000)	765,000		
71645WAP6 PETROBRAS GLOBAL FINANCE BV CALLABLE NOT	SEMI-ANN. 5.750% 01/20/2020 74,000.000	(63,363)	63,655		
B7LZ6B5 PETROLEOS DE VENEZUELA SA CALLABLE NOTES	SEMI-ANN. 9.000% 11/17/2021 178,000.000	(62,300)	69,473		
BYYSBL5 PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN. 3.500% 07/23/2020 400,000.000	(399,704)	405,200		
71654QBV3 PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN. 4.250% 01/15/2025 396,000.000	(360,453)	362,835		
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71654QBW1	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN. 4.500% 01/23/2026	41,000.000			(39,844)		37,618
BYYQ0N4	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN. 5.625% 01/23/2046	870,000.000			(844,515)		777,563
BD5BSX7	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN. 6.375% 02/04/2021	171,000.000			(171,000)		189,383
71656LBJ9	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN. 6.375% 02/04/2021	1,622,000.000			(1,622,000)		1,743,549
717081DX8	PFIZER INC CALLABLE NOTES FIXED 1.95% 03	SEMI-ANN. 1.950% 06/03/2021	30,000,000.000			(29,955,900)		30,315,587
717081DV2	PFIZER INC CALLABLE NOTES FIXED 2.75% 03	SEMI-ANN. 2.750% 06/03/2026	9,890,000.000			(9,887,429)		10,048,888
718172BR9	PHILIP MORRIS INTERNATIONAL INC CALLABLE	SEMI-ANN. 1.375% 02/25/2019	320,000.000			(318,858)		320,096
718172BT5	PHILIP MORRIS INTERNATIONAL INC CALLABLE	SEMI-ANN. 2.750% 02/25/2026	2,385,000.000			(2,365,801)		2,364,597
72347QAK9	PINNACLE FOODS FINANCE LLC / PINNACLE FO	SEMI-ANN. 5.875% 01/15/2024	61,000.000			(61,000)		63,703
723787AK3	PIONEER NATURAL RESOURCES CO CALLABLE NO	SEMI-ANN. 3.950% 07/15/2022	695,000.000			(648,513)		744,320
740816AN3	PRESIDENT & FELLOWS OF HARVARD COLLEGE C	SEMI-ANN. 3.300% 07/15/2056	3,261,000.000			(3,236,803)		3,274,729
74112BAK1	PRESTIGE BRANDS INC CALLABLE NOTES FIXED	SEMI-ANN. 6.375% 03/01/2024	199,000.000			(200,603)		208,950
741503AZ9	PRICELINE GROUP INC/THE CALLABLE NOTES F	SEMI-ANN. 3.600% 06/01/2026	1,200,000.000			(1,197,684)		1,196,490
74153WCH0	PRICOA GLOBAL FUNDING I NOTES FIXED 2.2%	SEMI-ANN. 2.200% 06/03/2021	15,500,000.000			(15,491,658)		15,776,465
74251VAM4	PRINCIPAL FINANCIAL GROUP INC CALLABLE N	SEMI-ANN. 3.100% 11/15/2026	200,000.000			(199,708)		200,725
74256LAR0	PRINCIPAL LIFE GLOBAL FUNDING II NOTES F	SEMI-ANN. 1.500% 04/18/2019	455,000.000			(453,580)		454,368
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74256LAU3 PRINCIPAL LIFE GLOBAL FUNDING II NOTES F		SEMI-ANN. 3.000% 04/18/2026		2,149,035	
		2,100,000.000			
743315AR4 PROGRESSIVE CORP/THE CALLABLE NOTES FIXE		SEMI-ANN. 2.450% 01/15/2027		348,890	
		370,000.000			
74368CAB0 PROTECTIVE LIFE GLOBAL FUNDING NOTES FIX		SEMI-ANN. 1.722% 04/15/2019		2,110,083	
		2,125,000.000			
68323ADY7 PROVINCE OF ONTARIO CANADA BOND FIXED 1.		SEMI-ANN. 1.250% 06/17/2019		570,945	
		573,000.000			
74432QBS3 PRUDENTIAL FINANCIAL INC CALLABLE MEDIUM		SEMI-ANN. 5.625% 05/12/2041		951,271	
		830,000.000			
745867AV3 PULTEGROUP INC CALLABLE NOTES FIXED 4.25		SEMI-ANN. 4.250% 03/01/2021		146,994	
		145,000.000			
760759AR1 REPUBLIC SERVICES INC CALLABLE NOTES FIX		SEMI-ANN. 2.900% 07/01/2026		5,990,382	
		5,929,000.000			
767201AC0 RIO TINTO FINANCE USA LTD CALLABLE NOTES		SEMI-ANN. 6.500% 07/15/2018		228,316	
		206,000.000			
76720AAE6 RIO TINTO FINANCE USA PLC CALLABLE NOTES		SEMI-ANN. 1.625% 08/21/2017		1,936,261	
		1,925,000.000			
771196BK7 ROCHE HOLDINGS INC CALLABLE NOTES FIXED		SEMI-ANN. 2.625% 05/15/2026		8,260,731	
		8,340,000.000			
77714TAB7 ROSE ROCK MIDSTREAM LP / ROSE ROCK FINAN		SEMI-ANN. 5.625% 11/15/2023		84,150	
		153,000.000			
780082AE3 ROYAL BANK OF CANADA BOND FIXED 2.3% 22/		SEMI-ANN. 2.300% 03/22/2021		690,289	
		675,000.000			
780082AD5 ROYAL BANK OF CANADA MEDIUM TERM NOTE FI		SEMI-ANN. 4.650% 01/27/2026		11,554,792	
		10,945,000.000			
80285EAE7 SANTANDER DRIVE AUTO RECEIVABLES TRUST 2		MONTHLY 2.470% 12/15/2020		784,930	
		775,000.000			
80285EAF4 SANTANDER DRIVE AUTO RECEIVABLES TRUST 2		MONTHLY 3.090% 04/15/2022		1,215,404	
		1,184,000.000			
80285CAG6 SANTANDER DRIVE AUTO RECEIVABLES TRUST 2		MONTHLY 2.080% 02/16/2021		1,234,046	
		1,227,000.000			
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80285CAH4	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	MONTHLY	2.660%	11/15/2021	(1,308,710)	1,330,617
80285CAJ0	SANTANDER DRIVE AUTO RECEIVABLES TRUST 2	MONTHLY	3.390%	04/15/2022	(641,977)	661,536
80281LAD7	SANTANDER UK GROUP HOLDINGS PLC MEDIUM T	SEMI-ANN.	3.125%	01/08/2021	(1,128,859)	1,133,114
80283LAB9	SANTANDER UK PLC NOTES FIXED 1.375% 13/M	SEMI-ANN.	1.375%	03/13/2017	(4,228,858)	4,230,931
81725WAG8	SENSATA TECHNOLOGIES BV NOTES FIXED 4.87	SEMI-ANN.	4.875%	10/15/2023	(160,800)	161,200
822582BR2	SHELL INTERNATIONAL FINANCE BV CALLABLE	SEMI-ANN.	1.375%	05/10/2019	(952,880)	952,360
828807DA2	SIMON PROPERTY GROUP LP CALLABLE NOTES F	SEMI-ANN.	2.350%	01/30/2022	(264,131)	261,301
828807CX3	SIMON PROPERTY GROUP LP CALLABLE NOTES F	SEMI-ANN.	2.500%	07/15/2021	(11,295,730)	11,501,944
828807CW5	SIMON PROPERTY GROUP LP CALLABLE NOTES F	SEMI-ANN.	3.300%	01/15/2026	(14,368,271)	14,732,952
829259AU4	SINCLAIR TELEVISION GROUP INC CALLABLE N	SEMI-ANN.	5.875%	03/15/2026	(75,000)	75,750
BLDYR37	SINOPEC GROUP OVERSEAS DEVELOPMENT 2014	SEMI-ANN.	4.375%	04/10/2024	(225,201)	224,490
4C4220B	SINOPEC GROUP OVERSEAS DEVELOPMENT 2016	SEMI-ANN.	3.500%	05/03/2026	(1,745,322)	1,832,687
78449FAA9	SMB PRIVATE EDUCATION LOAN TRUST 2016-A	MONTHLY	FLOATING	05/15/2023	(620,000)	620,842
78449GAA7	SMB PRIVATE EDUCATION LOAN TRUST 2016-B	MONTHLY	FLOATING	11/15/2023	(802,000)	803,083
83368RAG7	SOCIETE GENERALE SA MEDIUM TERM NOTE FIX	SEMI-ANN.	2.500%	04/08/2021	(2,902,821)	2,976,133
83368JKF6	SOCIETE GENERALE SA NOTES FIXED 4.25% 19	SEMI-ANN.	4.250%	08/19/2026	(3,308,964)	3,329,065

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84302LAA0	SOUTHERN GAS CORRIDOR CJSC BOND FIXED 6.	SEMI-ANN.	6.875%	03/24/2026		(198,224)	199,400	
				200,000.000				
845437BP6	SOUTHWESTERN ELECTRIC POWER CO CALLABLE	SEMI-ANN.	2.750%	10/01/2026		(2,964,630)	2,816,370	
				3,000,000.000				
84755TAC1	SPECTRA ENERGY CAPITAL LLC CALLABLE NOTE	SEMI-ANN.	7.500%	09/15/2038		(539,512)	568,039	
				505,000.000				
84762LAU9	SPECTRUM BRANDS INC CALLABLE NOTES FIXED	SEMI-ANN.	5.750%	07/15/2025		(212,000)	226,310	
				212,000.000				
85205TAG5	SPIRIT AEROSYSTEMS INC CALLABLE NOTES FI	SEMI-ANN.	3.850%	06/15/2026		(1,933,529)	1,952,402	
				1,935,000.000				
853254AZ3	STANDARD CHARTERED PLC NOTES FIXED 4.05%	SEMI-ANN.	4.050%	04/12/2026		(329,086)	325,806	
				330,000.000				
855244AJ8	STARBUCKS CORP CALLABLE NOTES FIXED 2.1%	SEMI-ANN.	2.100%	02/04/2021		(1,414,193)	1,446,781	
				1,415,000.000				
863667AK7	STRYKER CORP CALLABLE NOTES FIXED 2% 08/	SEMI-ANN.	2.000%	03/08/2019		(654,240)	655,531	
				655,000.000				
86562MAC4	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	SEMI-ANN.	3.784%	03/09/2026		(2,765,000)	2,853,836	
				2,765,000.000				
86562MAF7	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	SEMI-ANN.	2.632%	07/14/2026		(5,725,000)	5,625,839	
				5,725,000.000				
86562MAH3	SUMITOMO MITSUI FINANCIAL GROUP INC NOTE	SEMI-ANN.	2.442%	10/19/2021		(605,000)	607,405	
				605,000.000				
87020PAG2	SWEDBANK AB MEDIUM TERM NOTE FIXED 2.65%	SEMI-ANN.	2.650%	03/10/2021		(3,865,511)	3,930,459	
				3,870,000.000				
87165LAX9	SYNCHRONY CREDIT CARD MASTER NOTE TRUST	MONTHLY	2.040%	03/15/2022		(377,921)	382,444	
				378,000.000				
871829BB2	SYSCO CORP CALLABLE NOTES FIXED 1.9% 01/	SEMI-ANN.	1.900%	04/01/2019		(3,707,960)	3,725,159	
				3,710,000.000				
87422VAA6	TALEN ENERGY SUPPLY LLC CALLABLE NOTES F	SEMI-ANN.	6.500%	06/01/2025		(227,186)	153,115	
				226,000.000				
87612BAT9	TARGA RESOURCES PARTNERS LP BOND FIXED 5	SEMI-ANN.	5.000%	01/15/2018		(590,000)	589,685	
				590,000.000				
JPMorgan Investor Services			J.P.Morgan					

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87612EBE5	TARGET CORP CALLABLE NOTES FIXED 2.5% 15	SEMI-ANN.	2.500% 04/15/2026 580,000.000	(579,948)	579,715
5C8441B	TEVA PHARMACEUTICAL FINANCE NETHERLANDS	SEMI-ANN.	4.100% 10/01/2046 1,300,000.000	(1,289,171)	1,258,293
884903BV6	THOMSON REUTERS CORP CALLABLE NOTES FIXE	SEMI-ANN.	3.350% 05/15/2026 215,000.000	(214,076)	215,432
89231UAB3	TOYOTA AUTO RECEIVABLES 2016-B OWNER TRU	MONTHLY	1.020% 10/15/2018 991,000.000	(990,982)	990,845
89231UAD9	TOYOTA AUTO RECEIVABLES 2016-B OWNER TRU	MONTHLY	1.300% 04/15/2020 1,186,000.000	(1,185,939)	1,186,448
89231UAE7	TOYOTA AUTO RECEIVABLES 2016-B OWNER TRU	MONTHLY	1.520% 08/16/2021 367,000.000	(366,916)	366,699
89237WAE7	TOYOTA AUTO RECEIVABLES 2016-C 2016-C A4	MONTHLY	1.320% 11/15/2021 398,000.000	(397,982)	397,813
89236TCU7	TOYOTA MOTOR CREDIT CORP BOND FIXED 1.7%	SEMI-ANN.	1.700% 02/19/2019 3,430,000.000	(3,429,588)	3,468,725
89236TCZ6	TOYOTA MOTOR CREDIT CORP CALLABLE BOND F	SEMI-ANN.	1.900% 04/08/2021 21,955,000.000	(21,929,743)	21,938,118
89236TDK8	TOYOTA MOTOR CREDIT CORP CALLABLE MEDIUM	SEMI-ANN.	2.250% 10/18/2023 540,000.000	(538,574)	516,440
89236TDE2	TOYOTA MOTOR CREDIT CORP MEDIUM TERM NOT	SEMI-ANN.	1.400% 05/20/2019 19,700,000.000	(19,672,420)	19,664,555
89352HAS8	TRANSCANADA PIPELINES LTD CALLABLE NOTES	SEMI-ANN.	3.125% 01/15/2019 395,000.000	(393,882)	394,968
893647AZ0	TRANSDIGM INC CALLABLE NOTES FIXED 6.5%	SEMI-ANN.	6.500% 05/15/2025 220,000.000	(220,000)	222,750
893830BE8	TRANSOCEAN INC CALLABLE NOTES FIXED 9% 1	SEMI-ANN.	9.000% 07/15/2023 1,700,000.000	(1,657,500)	1,788,999
89469AAC8	TREEHOUSE FOODS INC CALLABLE NOTES FIXED	SEMI-ANN.	6.000% 02/15/2024 260,000.000	(265,400)	275,223
89641UAD3	TRINITY ACQUISITION PLC CALLABLE NOTES F	SEMI-ANN.	3.500% 09/15/2021 1,010,000.000	(1,008,707)	1,052,596
JPMorgan Investor Services		J.P.Morgan			

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89641UAC5 TRINITY ACQUISITION PLC CALLABLE NOTES F		SEMI-ANN. 4.400% 03/15/2026		(1,593,693)	
		1,600,000.000		1,649,091	
90351DAD9 UBS GROUP FUNDING JERSEY LTD NOTES FIXED		SEMI-ANN. 3.000% 04/15/2021		(5,785,658)	
		5,790,000.000		5,881,580	
90349DAD4 UBS-BARCLAYS COMMERCIAL MORTGAGE TRUST 2		MONTHLY 3.091% 08/10/2049		(156,617)	
		155,000.000		158,052	
904764AU1 UNILEVER CAPITAL CORP CALLABLE NOTES FIX		SEMI-ANN. 2.000% 07/28/2026		(285,409)	
		290,000.000		285,345	
907818EH7 UNION PACIFIC CORP CALLABLE NOTES FIXED		SEMI-ANN. 2.750% 03/01/2026		(4,710,208)	
		4,755,000.000		4,739,190	
90932QAA4 UNITED AIRLINES 2014-2 CLASS A PASS THRO		SEMI-ANN. 3.750% 03/03/2028		(2,970,964)	
		2,912,709.720		3,050,524	
91324PCU4 UNITEDHEALTH GROUP INC CALLABLE BOND FIX		SEMI-ANN. 2.125% 03/15/2021		(7,148,150)	
		7,170,000.000		7,158,170	
91159HHL7 US BANCORP CALLABLE MEDIUM TERM NOTE FIX		SEMI-ANN. 2.350% 01/29/2021		(985,862)	
		986,000.000		990,797	
91159HHM5 US BANCORP CALLABLE MEDIUM TERM NOTE FIX		SEMI-ANN. 3.100% 04/27/2026		(3,362,409)	
		3,365,000.000		3,396,378	
90327CAC4 USAA AUTO OWNER TRUST 2016-1 2016-1 A3 1		MONTHLY 1.200% 06/15/2020		(310,949)	
		311,000.000		311,207	
91911XAM6 VALEANT PHARMACEUTICALS INTERNATIONAL CA		SEMI-ANN. 7.000% 10/01/2020		(3,897,500)	
		4,280,000.000		4,024,200	
92277GAJ6 VENTAS REALTY LP CALLABLE NOTES FIXED 3.		SEMI-ANN. 3.250% 10/15/2026		(3,807,790)	
		3,815,000.000		3,826,400	
92340LAA7 VEREIT OPERATING PARTNERSHIP LP CALLABLE		SEMI-ANN. 4.875% 06/01/2026		(415,000)	
		415,000.000		444,414	
92340LAB5 VEREIT OPERATING PARTNERSHIP LP CALLABLE		SEMI-ANN. 4.125% 06/01/2021		(310,000)	
		310,000.000		324,234	
92343VDG6 VERIZON COMMUNICATIONS INC CALLABLE NOTE		SEMI-ANN. 1.750% 08/15/2021		(3,266,355)	
		3,280,000.000		3,263,888	
25468PDJ2 WALT DISNEY CO/THE CALLABLE MEDIUM TERM		SEMI-ANN. 2.300% 02/12/2021		(14,392,611)	
		14,307,000.000		14,589,496	

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25468PDL7 WALT DISNEY CO/THE CALLABLE MEDIUM TERM		SEMI-ANN. 0.875% 07/12/2019		(4,674,242)		4,675,731	
		4,690,000.000					
25468PDK9 WALT DISNEY CO/THE CALLABLE NOTES FIXED		SEMI-ANN. 3.000% 02/13/2026		(423,300)		429,045	
		425,000.000					
93884PDW7 WASHINGTON GAS LIGHT CO CALLABLE MEDIUM		SEMI-ANN. 3.796% 09/15/2046		(1,170,000)		1,111,746	
		1,170,000.000					
563568AA2 WELBILT INC CALLABLE NOTES FIXED 9.5% 15		SEMI-ANN. 9.500% 02/15/2024		(112,000)		120,660	
		112,000.000					
949746RT0 WELLS FARGO & CO NOTES VARIABLE 04/MAR/2		QUARTERLY FLOATING 03/04/2021		(2,500,000)		2,552,182	
		2,500,000.000					
94988J5B9 WELLS FARGO BANK NA MEDIUM TERM NOTE VAR		QUARTERLY FLOATING 01/22/2018		(2,100,000)		2,111,382	
		2,100,000.000					
95709TAN0 WESTAR ENERGY INC CALLABLE BOND FIXED 2.		SEMI-ANN. 2.550% 07/01/2026		(544,232)		541,997	
		545,000.000					
958254AB0 WESTERN GAS PARTNERS LP CALLABLE NOTES F		SEMI-ANN. 4.000% 07/01/2022		(144,543)		173,550	
		195,000.000					
960413AH5 WESTLAKE CHEMICAL CORP CALLABLE NOTES FI		SEMI-ANN. 3.600% 08/15/2026		(5,183,950)		5,214,290	
		5,210,000.000					
961214CV3 WESTPAC BANKING CORP NOTES FIXED 2.1% 13		SEMI-ANN. 2.100% 05/13/2021		(763,631)		771,411	
		765,000.000					
961214DC4 WESTPAC BANKING CORP NOTES FIXED 2.7% 19		SEMI-ANN. 2.700% 08/19/2026		(5,362,536)		5,359,914	
		5,370,000.000					
961214CX9 WESTPAC BANKING CORP NOTES FIXED 2.85% 1		SEMI-ANN. 2.850% 05/13/2026		(18,487,987)		18,616,020	
		18,560,000.000					
969457BU3 WILLIAMS COS INC/THE CALLABLE NOTES FIXE		SEMI-ANN. 3.700% 01/15/2023		(196,109)		210,120	
		272,000.000					
980236AN3 WOODSIDE FINANCE LTD CALLABLE NOTES FIXE		SEMI-ANN. 3.700% 09/15/2026		(2,388,423)		2,395,455	
		2,390,000.000					
98419MAJ9 XYLEM INC/NY CALLABLE NOTES FIXED 3.25%		SEMI-ANN. 3.250% 11/01/2026		(1,952,969)		1,972,899	
		1,957,000.000					
90131HBW4 21ST CENTURY FOX AMERICA INC CALLABLE BO		SEMI-ANN. 3.700% 10/15/2025		(3,294,045)		3,426,005	
		3,300,000.000					
JPMorgan Investor Services		J.P.Morgan					

IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
88579YAU5	3M CO CALLABLE MEDIUM TERM NOTE FIXED 1.	SEMI-ANN.	1.625%	09/19/2021	(269,857)	270,027
			270,000.000			
88579YAV3	3M CO CALLABLE MEDIUM TERM NOTE FIXED 2.	SEMI-ANN.	2.250%	09/19/2026	(267,084)	266,136
			270,000.000			
TOTAL CORPORATE DEBT INSTRUMENTS					(1,334,273,543)	1,350,873,774
PREFERRED						

20440T201	CIA BRASILEIRA DE DISTRIBUICAO ADR USD		15,772.000		(253,923)	288,377
BYP0K57	GRIFOLS SA PREFERENCE EUR 0.05		23,618.000		(377,817)	389,293
857477855	STATE STREET CORP CALLABLE PREFERRED STO	VARIABLE USD	25		(2,375,000)	2,589,008
			95,000.000			
2257127	VALE SA PREFERENCE BRL 0		19,400.000		(76,152)	92,676
TOTAL PREFERRED					(3,082,891)	3,359,353
COMMON						

002567105	ABAXIS INC COMMON STOCK USD 0		1,400.000		(59,066)	61,966
BYT15M8	ABERTIS INFRAESTRUCTURAS SA EUR3 SUB RIG	13/06/16	157,292.000		0	121,344
BDFY4K5	ACS ACTIVIDADES DE CONSTRUCCION Y SERVIC	RIGHT EUR	74,778.000		0	8,609
005125109	ACXIOM CORP COMMON STOCK USD 0.1		3,205.000		(66,744)	78,992
007624208	ADVAXIS INC COMMON STOCK USD 0.001		28.000		(267)	244
007924103	AEGON NV NY REG SHRS USD		56,658.000		(263,577)	225,561

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
BFSSCF9	AEON REIT INVESTMENT CORP REIT JPY	SHARES / PAR	(3,445,835)	4,113,070
		3,310.000		
008474108	AGNICO EAGLE MINES LTD COMMON STOCK CAD	28,100.000	(1,353,288)	1,351,849
008916108	AGRIUM INC COMMON STOCK CAD 0	3,700.000	(347,570)	332,052
00922R105	AIR TRANSPORT SERVICES GROUP INC COMMON 0.01	1,400.000	(20,463)	21,752
G0129K104	AIRCASTLE LTD COMMON STOCK USD 0.01	100.000	(2,047)	1,980
B03MN70	AKBANK TAS COMMON STOCK TRY 1	348,727.000	(944,378)	1,003,972
02503Y103	AMERICAN CAPITAL LTD COMMON STOCK EUR 0.	700.000	(11,828)	12,041
035128206	ANGLOGOLD ASHANTI LTD ADR USD 0	69,724.000	(810,120)	872,078
037598109	APOGEE ENTERPRISES INC COMMON STOCK USD	544.000	(24,284)	25,190
03835L108	APTEVO THERAPEUTICS INC COMMON STOCK USD	850.000	(3,239)	1,649
03852X100	ARALEZ PHARMACEUTICALS INC COMMON STOCK	131.000	0	546
03874P101	ARATANA THERAPEUTICS INC COMMON STOCK US	600.000	(5,498)	4,494
BY97F4	ARCELORMITTAL RIGHT EUR	185,681.000	(774,112)	10,676
04208T108	ARMADA HOFFLER PROPERTIES INC REIT USD 0	400.000	(5,928)	5,840
043436104	ASBURY AUTOMOTIVE GROUP INC COMMON STOCK	400.000	(22,878)	21,862
050095108	ATWOOD OCEANICS INC COMMON STOCK USD 1	83,900.000	(706,854)	742,972

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05382A104	AVIVA PLC ADR USD	SHARES / PAR	(572,321)	502,198	
		43,400.000			
BYT25S7	BANCO BILBAO VIZCAYA ARGENTARIA SA EUR0.	RIGHTS 19/04/16	0	105,393	
		746,617.000			
BZ0BJK0	BANCO BILBAO VIZCAYA ARGENTARIA SA RIGHT		0	30,259	
		328,316.000			
BYSWDF1	BANCO DE CREDITO E INVERSIONES RIGHT CLP		0	1,051	
		370.000			
BYT25Z4	BANCO DE SABADELL SA EUR1 SUB RIGHTS/REC		0	0	
		533,377.000			
P16994132	BANCO LATINOAMERICANO DE COMERCIO EXTERI	COMMON STOCK USD 0	(18,745)	21,978	
		800.000			
BD4DBW4	BANCO POPULAR ESPANOL SA RIGHT EUR		0	0	
		76,218.000			
BD6R492	BANCO POPULAR ESPANOL SA RIGHT EUR		0	4,317	
		187,143.000			
BYZRMB8	BANCO POPULAR ESPANOL SA RIGHT EUR		0	31,917	
		1,723,102.000			
B4V5RY4	BANCO SANTANDER BRASIL SA UNIT BRL 0		(135,260)	131,649	
		19,200.000			
BDHF3N2	BANCO SANTANDER SA-RTS		0	47,412	
		1,061,424.000			
BDCR9C4	BANGKOK EXPRESSWAY & METRO PCL NVDR THB		(121,219)	136,747	
		897,563.000			
06777U101	BARNES & NOBLE EDUCATION INC COMMON STOC		(1,158)	999	
		100.000			
067806109	BARNES GROUP INC COMMON STOCK USD 0.01		(108,187)	117,244	
		3,295.000			
067901108	BARRICK GOLD CORP COMMON STOCK CAD 0		(3,119,248)	2,922,533	
		178,131.000			
05491G109	BATS GLOBAL MARKETS INC COMMON STOCK EUR		(39,573)	39,249	
		1,300.000			
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073271108 BAZAARVOICE INC COMMON STOCK USD 0.0001		SHARES / PAR	ACQUISITION	DISPOSITION	
			(602)	603	
088606108 BHP BILLITON LTD ADR USD		200.000	(2,388,622)	2,540,231	
05545E209 BHP BILLITON PLC ADR USD		92,707.000	(729,483)	727,124	
090672106 BIOTELEMETRY INC COMMON STOCK USD 0.001		28,568.000	(8,367)	10,325	
092533108 BLACKROCK CAPITAL INVESTMENT CORP COMMON 0.001		600.000	(3,389)	2,947	
09739D100 BOISE CASCADE CO COMMON STOCK USD 0.01		400.000	(19,835)	22,155	
BZBXJW7 BONAVA AB COMMON STOCK SEK 4		1,048.000	(223,115)	215,392	
BYW3DY9 BORAL LTD-RTS		17,381.000	0	2,217	
105532105 BRASKEM SA ADR USD 0		15,599.000	(812,227)	963,391	
109696104 BRINK'S CO/THE COMMON STOCK USD 1		64,349.000	(2,843)	4,370	
BYNDNQ0 BROOKFIELD BUSINESS PARTNERS LP LTD PART		100.000	(53,487)	57,451	
05577E101 BT GROUP PLC ADR USD		2,751.000	(781,909)	602,378	
BLMP1D9 BUWOG AG COMMON STOCK EUR		22,904.000	(1,489,597)	1,580,781	
127190304 CACI INTERNATIONAL INC COMMON STOCK USD		74,976.000	(586,578)	630,146	
BDGNP08 CAIXABANK SA RIGHT EUR		5,900.000	0	13,057	
129603106 CALGON CARBON CORP COMMON STOCK USD 0.01		286,585.000	(471,398)	434,728	
		31,680.000			
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13057Q206 CALIFORNIA RESOURCES CORP COMMON STOCK U		SHARES / PAR	ACQUISITION	DISPOSITION	
		4,041.500	(64,554)	55,393	
13123X102 CALLON PETROLEUM CO COMMON STOCK USD 0.0		156,452.000	(1,781,988)	1,806,645	
147448104 CASELLA WASTE SYSTEMS INC COMMON STOCK U		150.000	(1,647)	1,889	
B8Y6W58 CASETEK HOLDINGS LTD COMMON STOCK TWD 10		111,000.000	(564,648)	405,531	
BYQPW00 CASTELLUM AB RIGHT		24,066.000	(49,915)	52,531	
BKS8B79 CASTROL INDIA LTD COMMON STOCK INR 5		64,154.000	(462,366)	355,412	
15132H101 CENCOSUD SA ADR USD		9,799.000	(80,258)	86,625	
163072101 CHEESECAKE FACTORY INC/THE COMMON STOCK		400.000	(20,582)	19,866	
163086101 CHEFS' WAREHOUSE INC/THE COMMON STOCK US		200.000	(2,238)	2,655	
163092109 CHEGG INC COMMON STOCK USD 0.001		1,200.000	(4,749)	9,302	
163731102 CHEMICAL FINANCIAL CORP COMMON STOCK USD		100.000	(4,598)	5,221	
6189657 CHINA AIRLINES LTD COMMON STOCK TWD 10		1,194,000.000	(409,444)	346,955	
16938C106 CHINA BIOLOGIC PRODUCTS INC COMMON STOCK 0.0001		13,936.000	(1,772,623)	1,684,395	
B92NYF2 CHINA GALAXY SECURITIES CO LTD COMMON ST		279,000.000	(266,091)	265,691	
6460794 CHINA GAS HOLDINGS LTD COMMON STOCK HKD		272,000.000	(424,892)	376,960	
B1YC2B3 CHINA HIGH SPEED TRANSMISSION EQUIPMENT LTD COMMON STOCK HKD 0.01		74,000.000	(53,675)	76,459	
JPMorgan Investor Services		J.P.Morgan			

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			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
BVF9L16	IDENTITY OF ISSUE, BORROWER, LESSOR CHINA REGENERATIVE MEDICINE INTERNATIONAL		COMMON STOCK HKD 0.01 680,000.000		(26,927)	25,333
BD0R0M3	CHINA RESOURCES BEER HOLDINGS CO LTD RIG		36,260.000		0	0
BDGKKK4	CIA DE GAS DE SAO PAULO - COMGAS RIGHT B		39.000		0	0
17878Y108	CIVEO CORP COMMON STOCK USD 0.01		200.000		(362)	250
B04S946	CJ CGV CO LTD COMMON STOCK KRW 500		3,696.000		(403,090)	317,432
184499101	CLEAN ENERGY FUELS CORP COMMON STOCK USD		100.000		(294)	339
18683K101	CLIFFS NATURAL RESOURCES INC COMMON STOC	0.125	13,100.000		(87,774)	90,875
18948M108	CLUBCORP HOLDINGS INC COMMON STOCK USD 0		200.000		(2,463)	2,360
BZBVN52	COBHAM PLC ORD GBP0.025 SUB RIGHTS (NIL		73,644.000		(49,196)	48,684
G25839104	COCA-COLA EUROPEAN PARTNERS PLC COMMON S	0.01	53,071.000		(1,345,434)	2,039,763
2141899	COCA-COLA FEMSA SAB DE CV COMMON STOCK M		29,400.000		(212,172)	220,581
19249H103	COHERUS BIOSCIENCES INC COMMON STOCK USD		400.000		(9,438)	10,951
201723103	COMMERCIAL METALS CO COMMON STOCK USD 0.		41,900.000		(701,406)	728,683
205826209	COMTECH TELECOMMUNICATIONS CORP COMMON S	0.1	905.000		(12,494)	11,314
21676P103	COOPER-STANDARD HOLDINGS INC COMMON STOC	0.001	200.000		(17,226)	19,287
B0P72G5	COSAN SA INDUSTRIA E COMERCIO COMMON STO		43,100.000		(289,641)	396,120
JPMorgan Investor Services			J.P.Morgan			

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
2228952 COTT CORP COMMON STOCK CAD 0		SHARES / PAR	ACQUISITION	DISPOSITION	
		29,039.000	(397,032)	319,024	
12634H101 CPI CARD GROUP INC COMMON STOCK USD 0.00		500.000	(2,076)	1,925	
23247G109 CVENT INC COMMON STOCK EUR 0.001		6,380.000	(132,962)	226,153	
BD6GND6 CYBG PLC CDI AUD		77,713.000	(206,775)	207,083	
B284BK4 DAH CHONG HONG HOLDINGS LTD COMMON STOCK		119,000.000	(56,331)	50,473	
B0LNTF5 DAIWA OFFICE INVESTMENT CORP REIT JPY		301.000	(1,913,255)	1,876,604	
237266101 DARLING INGREDIENTS INC		900.000	(11,407)	12,614	
BDC5MF2 DEUTSCHE BOERSE AG COMMON STOCK EUR		4,086.000	(344,528)	324,173	
253651103 DIEBOLD NIXDORF INC COMMON STOCK USD 1.2		1,900.000	(50,322)	49,238	
25456K101 DIPLOMAT PHARMACY INC COMMON STOCK USD 0		19,000.000	(504,640)	520,678	
6661111 DOOSAN CORP COMMON STOCK KRW 5000		2,428.000	(193,805)	232,823	
0822011 DS SMITH PLC COMMON STOCK GBP 10		110,484.000	(652,925)	625,508	
BZBVPZ6 DUBAI ISLAMIC BANK PJSC RIGHT AED		196,721.000	0	48,665	
233377407 DXP ENTERPRISES INC/TX COMMON STOCK USD		3,090.000	(51,649)	42,860	
267CVR991 DYAX CORPORATION CVR CONTRA		3,400.000	0	3,738	
2C5567W ECLAT TEXTILE CO LTD		1,356.000	0	0	
JPMorgan Investor Services					
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM
BYVZ982	ECN CAPITAL CORP COMMON STOCK CAD	SHARES / PAR	ACQUISITION	DISPOSITION
			(89,987)	91,497
		43,982.000		
BYZJK09	EDP - ENERGIAS DO BRASIL SA RIGHT BRL		0	7,660
		55,758.000		
284902103	ELDORADO GOLD CORP COMMON STOCK CAD 0		(375,410)	549,262
		113,929.000		
28470R102	ELDORADO RESORTS INC COMMON STOCK USD		(37,664)	37,989
		2,700.000		
29082A107	EMBRAER SA ADR USD		(345,404)	335,913
		12,302.000		
6322173	EMIRATES TELECOMMUNICATIONS GROUP CO PJS	STOCK AED 1	(908,855)	884,114
		176,500.000		
29258Y103	ENDEAVOUR SILVER CORP COMMON STOCK CAD 0		(1,158)	982
		300.000		
29244T101	ENEL GENERACION CHILE SA ADR USD 0		(265,394)	273,200
		6,558.000		
BDH6JH1	ENEL GREEN POWER SPA EUR0.20 SUB RIGHTS		0	0
		189,551.000		
5C3713W	ENNOCONN CORP COMMON		0	0
		1,518.000		
294100102	ENZO BIOCHEM INC COMMON STOCK USD 0.01		(2,022)	1,599
		300.000		
29664W105	ESPERION THERAPEUTICS INC COMMON STOCK U		(427)	482
		39.000		
296689102	ESSENDANT INC COMMON STOCK USD 0.1		(3,091)	3,878
		200.000		
4C8215W	EURAZEO SA RIGHT EUR		0	0
		14,523.000		
30214U102	EXPONENT INC COMMON STOCK USD 0.001		(4,808)	6,250
		100.000		
30241L109	FEI CO COMMON STOCK EUR 0		(436,935)	444,369
		4,134.000		

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
G33990329 FERROGLOBE PLC COMMON STOCK USD		SHARES / PAR	ACQUISITION	DISPOSITION	
		11,400.000	0	0	
BD96VQ2 FERROVIAL SA RIGHT EUR		21,063.000	0	7,768	
320209109 FIRST FINANCIAL BANCORP COMMON STOCK USD		346.000	(6,318)	6,825	
338307101 FIVE9 INC COMMON STOCK USD 0.001		263,394.000	(2,683,985)	2,824,309	
2242059 FOMENTO ECONOMICO MEXICANO SAB DE CV UNI		97,100.000	(918,548)	854,562	
351793104 FRANCESCA'S HOLDINGS CORP COMMON STOCK U		400.000	(4,876)	6,884	
351858105 FRANCO-NEVADA CORP COMMON STOCK CAD 0		7,944.000	(507,866)	562,919	
B020QY3 FRONTIER REAL ESTATE INVESTMENT CORP REI		331.000	(1,517,248)	1,536,791	
30281V108 FTD COS INC COMMON STOCK USD 0.0001		400.000	(10,479)	9,639	
3C9321W FUBON FINANCIAL HOLDING		68,883.000	0	0	
BSVXB88 FULLSHARE HOLDINGS LTD COMMON STOCK HKD		1,572,500.000	(579,752)	585,672	
BZ05GC3 FUTURE RETAIL LTD COMMON STOCK INR 2		21,554.000	0	41,571	
BWGCFG4 FUYAO GLASS INDUSTRY GROUP CO LTD COMMON		39,200.000	(93,788)	88,232	
374689107 GIBRALTAR INDUSTRIES INC COMMON STOCK US		100.000	(3,412)	4,690	
6698755 GLENMARK PHARMACEUTICALS LTD COMMON STOC		49,753.000	(566,794)	588,112	
37953G103 GLOBAL BRASS & COPPER HOLDINGS INC COMMO		USD 0.01	(2,852)	3,045	
		100.000			
JPMorgan Investor Services		J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST BASE CURRENCY: USD		PAGE 705 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
379378102 GLOBAL NET LEASE INC REIT USD 0.01		SHARES / PAR	ACQUISITION	DISPOSITION	
		5,200.000	(45,704)	41,224	
38376A103 GOVERNMENT PROPERTIES INCOME TRUST REIT		100.000	(1,692)	1,940	
B0LNLV5 GRINDROD LTD COMMON STOCK ZAR 0.002		55,387.000	(41,462)	51,083	
B3B61Y8 GRUPA AZOTY SA COMMON STOCK		5,045.000	(126,988)	129,441	
BFNXZM7 GRUPO LALA SAB DE CV COMMON STOCK MXN		166,200.000	(386,088)	301,358	
6898908 HAITONG INTERNATIONAL SECURITIES GROUP L		STOCK HKD 0.1	(495,722)	597,730	
4402839 HAL TRUST COMMON STOCK EUR		868,000.000	(357,026)	405,246	
410120109 HANCOCK HOLDING CO COMMON STOCK USD 3.33		1,888.000	(4,815)	5,459	
6410562 HARMONY GOLD MINING CO LTD COMMON STOCK		200.000	(207,902)	190,411	
415864107 HARSCO CORP COMMON STOCK USD 1.25		68,231.000	(153,896)	307,577	
419879101 HAWAIIAN HOLDINGS INC COMMON STOCK USD 0		38,900.000	(4,822)	5,200	
42226A107 HEALTHEQUITY INC COMMON STOCK USD 0.0001		100.000	(2,449)	2,279	
42805E306 HESKA CORP COMMON STOCK USD 0.001		100.000	(437,052)	441,953	
42983D104 HIGHER ONE HOLDINGS INC COMMON STOCK EUR		15,400.000	(138)	201	
6246251 HOTA INDUSTRIAL MANUFACTURING CO LTD COM		TWD 10	(449,681)	564,427	
404280406 HSBC HOLDINGS PLC ADR USD 0.5		128,000.000	(1,426,570)	1,246,990	
		40,664.000			
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		DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
B2QY968	IDENTITY OF ISSUE, BORROWER, LESSOR	SHARES / PAR		
	HYPERMARCAS SA COMMON STOCK BRL 0	88,900.000	(530,191)	650,819
B01LXY6	HYUNDAI MARINE & FIRE INSURANCE CO LTD C	STOCK KRW 500	(225,892)	245,277
6497888	HYUNDAI SECURITIES CO LTD COMMON STOCK K	7,781.000	(764,803)	860,958
BYWP8V7	IBERDROLA SA EUR0.75 SUB RIGHTS 26/01/16	134,951.000	0	117,804
BD3GZB1	IBERDROLA SA RIGHT EUR	868,401.000	0	75,000
G47567105	IHS MARKIT LTD	846,171.000	(1,109,073)	1,620,762
452521107	IMMERSSION CORP COMMON STOCK USD 0.001	44,437.160	(54,667)	44,669
6462972	INDUSTRIAL BANK OF KOREA COMMON STOCK KR	6,980.000	(1,090,628)	1,106,077
45667G103	INFINERA CORP COMMON STOCK USD 0.001	107,062.000	(195,964)	180,800
BD2MGK6	INFORMA PLC RIGHT GBP	12,935.000	0	0
456837103	ING GROEP NV ADR USD	23,180.000	(130,480)	123,170
45772F107	INPHI CORP COMMON STOCK USD	10,371.000	(2,717,535)	2,758,635
45774W108	INSTEEL INDUSTRIES INC COMMON STOCK USD	68,469.000	(5,550)	7,340
45824V209	INSYS THERAPEUTICS INC COMMON STOCK USD	200.000	(15,633)	12,490
458665304	INTERFACE INC COMMON STOCK USD 0.1	1,000.000	(11,030)	12,635
46113M108	INTERVAL LEISURE GROUP INC COMMON STOCK	700.000	(358,658)	451,911
		32,051.000		

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		BASE CURRENCY: USD			
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
46123D205 INVENSENSE INC COMMON STOCK USD 0.001		SHARES / PAR	ACQUISITION	DISPOSITION	
		14,200.000	(95,099)	110,128	
46131B100 INVESCO MORTGAGE CAPITAL INC REIT USD 0.		100.000	(1,156)	1,264	
B1Y3WG1 IOI CORP BHD COMMON STOCK MYR 0.1		232,600.000	(255,415)	248,166	
BD2Z8S7 ITALGAS SPA COMMON STOCK EUR		49,236.200	(218,746)	170,125	
47102X105 JANUS CAPITAL GROUP INC COMMON STOCK USD		400.000	(5,988)	5,925	
G50736100 JARDINE MATHESON HOLDINGS LTD COMMON STO		0.25	(23,409)	22,642	
B4X3ST8 JSW ENERGY LTD COMMON STOCK INR 10		400.000	(183,402)	211,412	
48562P103 KAPSTONE PAPER AND PACKAGING CORP COMMON		0.0001	(135,302)	174,594	
48576U106 KARYOPHARM THERAPEUTICS INC COMMON STOCK		0.0001	(2,871)	2,913	
6489636 KENDA RUBBER INDUSTRIAL CO LTD COMMON ST		300.000	(217,660)	198,173	
0490656 KERRY GROUP PLC COMMON STOCK EUR 0.125		134,862.000	(263,251)	209,976	
BYT1H55 KINNEVIK AB COMMON STOCK SEK		3,009.000	0	38,471	
49803T300 KITE REALTY GROUP TRUST REIT USD 0.01		19,476.000	(133)	142	
48273J107 K2M GROUP HOLDINGS INC COMMON STOCK USD		5.000	(151,213)	200,525	
BZ8W8S6 LA COMER SAB DE CV COMMON STOCK MXN 0		12,097.000	(353,600)	304,834	
BDD1L29 LASALLE LOGIPORT REIT REIT JPY		320,900.000	(1,637,397)	1,835,349	
		1,916.000			
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
52471Y106 LEGACYTEXAS FINANCIAL GROUP INC COMMON S		SHARES / PAR	ACQUISITION	DISPOSITION	
		0.01	(4,028)	4,905	
		200.000			
528872302 LEXICON PHARMACEUTICALS INC COMMON STOCK			(18,689)	19,144	
		1,200.000			
BP3RW62 LI & FUNG LTD COMMON STOCK HKD 0.0125			(34,227)	29,436	
		60,000.000			
G5480U104 LIBERTY GLOBAL PLC TRACKING STK USD 0.01			(538,735)	509,857	
		14,500.000			
531229706 LIBERTY MEDIA CORP-LIBERTY BRAVES TRACKI		0.01	(13,241)	20,796	
		1,262.300			
531229888 LIBERTY MEDIA CORP-LIBERTY BRAVES TRACKI		0.01	(44,407)	75,944	
		4,447.500			
531229870 LIBERTY MEDIA CORP-LIBERTY FORMULA ONE S			(104,029)	145,169	
		7,354.750			
538146101 LIVEPERSON INC COMMON STOCK USD 0.001			(627)	602	
		100.000			
6334521 LOEN ENTERTAINMENT INC COMMON STOCK KRW			(425,097)	387,509	
		6,207.000			
B4WFW71 LONDONMETRIC PROPERTY PLC REIT GBP 10			(850,103)	852,971	
		374,936.000			
546347105 LOUISIANA-PACIFIC CORP COMMON STOCK USD			(30,170)	32,464	
		1,700.000			
55003T107 LUMBER LIQUIDATORS HOLDINGS INC COMMON S		0.001	(9,425)	9,854	
		600.000			
B0D6P43 MAPLETREE LOGISTICS TRUST REIT SGD 0			(425,434)	455,789	
		617,000.000			
55264U108 MB FINANCIAL INC COMMON STOCK USD 0.01			(41,470)	42,643	
		1,100.000			
55276F107 MCBC HOLDINGS INC COMMON STOCK USD 0.01			(2,132)	2,716	
		200.000			
580589109 MCGRATH RENTCORP COMMON STOCK USD 0			(2,424)	3,705	
		100.000			
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
BZ1G432	MELROSE INDUSTRIES PLC COMMON STOCK GBP	SHARES / PAR	ACQUISITION	DISPOSITION	
		27,192.000	(788,906)	119,487	
589889104	MERIT MEDICAL SYSTEMS INC COMMON STOCK U	200.000	(3,738)	4,247	
BNGNB77	MERLIN PROPERTIES SOCIMI SA REIT EUR 1	454,858.000	(4,992,977)	5,247,739	
59870L106	MILACRON HOLDINGS CORP COMMON STOCK USD	22,200.000	(364,080)	366,642	
BYVC6Y8	MINDA INDUSTRIES LTD COMMON STOCK INR 2	8,050.000	(28,338)	37,784	
603158106	MINERALS TECHNOLOGIES INC COMMON STOCK U	20,877.000	(1,202,515)	1,222,946	
B0RJCG9	MINTH GROUP LTD COMMON STOCK HKD 0.1	120,000.000	(450,849)	375,748	
BPBFT01	MOBILEYE NV COMMON STOCK	18,700.000	(487,032)	703,231	
60979P105	MONOGRAM RESIDENTIAL TRUST INC REIT USD	19,900.000	(200,511)	206,002	
61022P100	MONOTYPE IMAGING HOLDINGS INC COMMON STO	0.001	(4,438)	4,513	
633707104	NATIONAL BANK HOLDINGS CORP COMMON STOCK	200.000	(16,593)	17,061	
4645742	NCC AB COMMON STOCK SEK 8	800.000	(397,424)	415,549	
640268108	NEKTAR THERAPEUTICS COMMON STOCK USD 0.0	17,381.000	(7,540)	6,614	
64111Q104	NETGEAR INC COMMON STOCK USD 0.001	500.000	(13,748)	15,309	
2C7488S	NEW MILLENNIUM HOLDCO INC	300.000	(266,383)	91,602	
647551100	NEW MOUNTAIN FINANCE CORP COMMON STOCK U	5,816.000	(18,267)	18,604	
		1,454.000			
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT SHARES / PAR	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
64976L109 NEW YORK REIT INC REIT USD 0.01		51,800.000	(547,486)	520,083	
65487X102 NOAH HOLDINGS LTD ADR USD 0.0005		12,786.000	(325,220)	315,345	
BD8D335 NOBLE GROUP LTD-RIGHTS		1,538,782.000	(106,190)	83,942	
654902204 NOKIA OYJ ADR USD		138,391.000	(884,966)	813,400	
5946455 NOKIA OYJ COMMON STOCK EUR 0		170,420.000	(992,317)	1,008,160	
65535H208 NOMURA HOLDINGS INC ADR USD		20,300.000	(89,228)	95,618	
B0DK750 NOVATEK PJSC GDR USD		7,062.000	(694,569)	730,674	
67001K103 NOVELION THERAPEUTICS INC COMMON STOCK 0		800.000	(5,829)	1,432	
62942X405 NRG YIELD INC COMMON STOCK USD		400.000	(6,670)	6,400	
67075N108 NUVECTRA CORP COMMON STOCK USD 0.001		360.000	(5,090)	1,584	
B505PN7 NXP SEMICONDUCTORS NV COMMON STOCK USD		600.000	(50,798)	60,983	
67072V103 NXSTAGE MEDICAL INC COMMON STOCK USD 0.0		100.000	(1,836)	1,864	
67555N206 OCLARO INC COMMON STOCK USD 0.01		33,166.000	(166,162)	200,451	
67103X102 OFG BANCORP COMMON STOCK USD 1		1,450.000	(8,722)	10,437	
6657789 OKUMA CORP COMMON STOCK JPY		126,000.000	(892,945)	1,077,940	
680033107 OLD NATIONAL BANCORP/IN COMMON STOCK USD		41,100.000	(503,693)	524,226	
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT SHARES / PAR		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
68162K106 OLYMPIC STEEL INC COMMON STOCK USD 0		180.000		(4,726)		4,725	
682143102 OMEROS CORP COMMON STOCK USD 0.01		800.000		(9,117)		9,124	
682128103 OMNIVISION TECHNOLOGIES INC COMMON STOCK				0		0	
684000102 OPUS BANK COMMON STOCK USD				(9,863)		7,128	
68620A104 ORGANOVO HOLDINGS INC COMMON STOCK USD 0		300.000		(902)		879	
69404D108 PACIFIC BIOSCIENCES OF CALIFORNIA INC CO		200.000		(21,671)		18,589	
L7257P114 PACIFIC DRILLING SA COMMON STOCK USD		2,300.000		(42,068)		1,439	
699462107 PAREXEL INTERNATIONAL CORP COMMON STOCK		440.000		(17,582)		18,490	
B09RG69 PARMALAT SPA COMMON STOCK EUR 1		300.000		(117,444)		118,121	
709102107 PENNSYLVANIA REAL ESTATE INVESTMENT TRUS		43,124.000		(1,018,601)		1,135,484	
71377A103 PERFORMANCE FOOD GROUP CO COMMON STOCK U		52,900.000		(7,823)		7,210	
71426V108 PERNIX THERAPEUTICS HOLDINGS INC COMMON		300.000		(2,841)		1,216	
693320202 PHH CORP COMMON STOCK USD 0.01		0.01		(2,841)		1,216	
2,700.000				(256,307)		331,177	
BVGH3Q8 PHOSAGRO PJSC GDR USD		26,760.000		(298,312)		348,475	
71943U104 PHYSICIANS REALTY TRUST REIT USD 0.01		26,305.000		(5,611,502)		7,064,636	
72348Y105 PINNACLE ENTERTAINMENT INC COMMON STOCK		342,100.000		(194,062)		199,769	
		18,470.000					
JPMorgan Investor Services		J.P.Morgan					

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF					
72651A207 PLAINS GP HOLDINGS LP COMMON STOCK USD		SHARES / PAR		ACQUISITION					
		112.650		(3,541)					
727493108 PLANTRONICS INC COMMON STOCK USD 0.01				3,714					
		100.000		(3,424)					
69349H107 PNM RESOURCES INC COMMON STOCK USD 0				3,415					
		7,300.000		(235,644)					
737010108 PORTOLA PHARMACEUTICALS INC COMMON STOCK				242,217					
		300.000		(6,944)					
B39GMS1 POU SHENG INTERNATIONAL HOLDINGS LTD COM		HKD 0.01							
		221,000.000		(63,696)					
74112D101 PRESTIGE BRANDS HOLDINGS INC COMMON STOC				66,693					
		11,700.000		(596,232)					
B3DJGB7 PROGRESSIVE WASTE SOLUTIONS LTD COMMON S				621,964					
		6,900.000		(214,121)					
74339G101 PROGRESSIVE WASTE SOLUTIONS LTD COMMON S				211,291					
		100.000		(3,361)					
74435K204 PRUDENTIAL PLC ADR USD				3,282					
		24,595.000		(876,300)					
B0WMWD0 QINETIQ GROUP PLC COMMON STOCK GBP 1				944,978					
		81,940.000		(270,734)					
747619104 QUANEX BUILDING PRODUCTS CORP COMMON STO		0.01							
		200.000		(3,830)					
74909E106 QUORUM HEALTH CORP COMMON STOCK USD 0.00				3,891					
		14,108.000		(193,036)					
749119103 QUOTIENT TECHNOLOGY INC				124,289					
		1,000.000		(7,247)					
752344309 RANDGOLD RESOURCES LTD ADR USD				11,067					
		15,245.000		(1,513,520)					
75382F106 RAPTOR PHARMACEUTICAL CORP COMMON STOCK				1,363,790					
		4,900.000		(35,609)					
BBD8096 RCS MEDIAGROUP SPA				43,941					
		4,344.000		(2,896)					
				2,947					
JPMorgan Investor Services									
J.P.Morgan									

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST BASE CURRENCY: USD		PAGE 713 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
74965L101	RLJ LODGING TRUST REIT USD	SHARES / PAR	ACQUISITION	DISPOSITION	
		300.000	(6,709)	6,087	
774374102	ROCKWELL MEDICAL INC COMMON STOCK USD 0	100.000	(770)	656	
BDH6KD4	ROLLS-ROYCE HLDGS PLC C SHS ENTITLEMENT	16,835,946.000	0	21,819	
779376102	ROVI CORP COMMON STOCK EUR 0.001	30,200.000	(598,259)	621,565	
780087102	ROYAL BANK OF CANADA COMMON STOCK CAD 0	8,659.000	(504,513)	515,240	
781220108	RUCKUS WIRELESS INC COMMON STOCK 0.001	4,599.620	(58,489)	58,733	
78573L106	SABRA HEALTH CARE REIT INC REIT USD 0.01	157,800.000	(3,668,850)	3,602,968	
BD9WPZ7	SAIPEM SPA RIGHT EUR	134,849.000	(2,424,135)	55,878	
B6X62Y4	SAMYANG CORP COMMON STOCK KRW 5000	649.370	(39,385)	53,244	
806882106	SCHNITZER STEEL INDUSTRIES INC COMMON ST	12,669.000	(203,844)	244,733	
808625107	SCIENCE APPLICATIONS INTERNATIONAL CORP	15,000.000	(708,600)	782,553	
80874P109	SCIENTIFIC GAMES CORP COMMON STOCK USD 0	1,700.000	(17,133)	20,384	
81616X103	SELECT COMFORT CORP COMMON STOCK USD 0.0	400.000	(8,988)	10,377	
81618T100	SELECT INCOME REIT REIT USD 0.01	100.000	(2,665)	2,465	
6286202	SHANDONG AIRLINES CO LTD COMMON STOCK HK	49,548.000	(73,585)	115,754	
B3Z5044	SHILPI CABLE TECHNOLOGIES LTD COMMON STO	16,270.000	(46,309)	48,390	
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825690100 SHUTTERSTOCK INC COMMON STOCK USD 0.01		SHARES / PAR	ACQUISITION	DISPOSITION	
		100.000	(5,379)	4,956	
82706C108 SILICON MOTION TECHNOLOGY CORP ADR USD 0		8,711.000	(397,999)	379,436	
828336107 SILVER WHEATON CORP COMMON STOCK CAD 0		36,200.000	(770,482)	756,825	
829073105 SIMPSON MANUFACTURING CO INC COMMON STOC		1,400.000	(51,833)	63,417	
830879102 SKYWEST INC COMMON STOCK USD 0		21,620.000	(336,763)	510,516	
83190B101 SMART & FINAL STORES INC COMMON STOCK US		100.000	(1,443)	1,278	
83545G102 SONIC AUTOMOTIVE INC COMMON STOCK USD 0.		302.000	(5,632)	5,179	
835916503 SONUS NETWORKS INC COMMON STOCK USD 0.00		100.000	(893)	861	
838518108 SOUTH JERSEY INDUSTRIES INC COMMON STOCK		100.000	(2,736)	2,815	
84763A108 SPECTRUM PHARMACEUTICALS INC COMMON STOC		0.001	(7,871)	4,520	
84857L101 SPIRE INC COMMON STOCK USD 1		1,100.000	(45,487)	44,039	
BYPG6M4 SPONDA OYJ RIGHT EUR		700.000	0	0	
6673172 ST SHINE OPTICAL CO LTD COMMON STOCK TWD		403,106.000	(376,036)	365,505	
85254C305 STAGE STORES INC COMMON STOCK USD 0.01		19,000.000	(57,921)	48,057	
860630102 STIFEL FINANCIAL CORP COMMON STOCK USD 0		6,700.000	(6,327)	7,417	
863236105 STRAYER EDUCATION INC COMMON STOCK USD 0		200.000	(4,286)	4,667	
		100.000			
JPMorgan Investor Services		J.P.Morgan			

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
866796105	SUN LIFE FINANCIAL INC COMMON STOCK CAD	SHARES / PAR	(142,909)	147,005
		4,523.000		
6838669	SUPER GROUP LTD/SINGAPORE COMMON STOCK S		(15,154)	27,115
		30,000.000		
868536103	SUPERVALU INC COMMON STOCK USD 0.01		(120,947)	111,679
		22,100.000		
6867760	SWIRE PACIFIC LTD COMMON STOCK HKD 0.12		(137,358)	140,500
		70,000.000		
M87245102	SYNERON MEDICAL LTD COMMON STOCK USD 1		(691)	705
		100.000		
87160A100	SYNGENTA AG ADR USD		(352,323)	342,833
		4,466.000		
6868439	SYNNEX TECHNOLOGY INTERNATIONAL CORP COM TWD 10		(184,532)	197,018
		182,700.000		
87403A107	TAILORED BRANDS INC COMMON STOCK USD 0.0		(284,649)	281,745
		17,110.000		
874083108	TAL INTERNATIONAL GROUP INC COMMON STOCK		(109,203)	141,676
		9,560.000		
87482X101	TALMER BANCORP INC COMMON STOCK USD 1		(2,319)	2,317
		100.000		
87651B104	TASER INTERNATIONAL INC COMMON STOCK USD		(4,424)	5,072
		200.000		
876629205	TATNEFT PJSC ADR USD		(207,594)	222,507
		6,937.000		
Y8565N102	TEEKAY TANKERS LTD COMMON STOCK USD 0.01		(54,543)	52,204
		14,854.000		
879382208	TELEFONICA SA ADR USD		(320,626)	298,781
		30,200.000		
BYMJ6K4	TELEFONICA SA RIGHT EUR		0	15,596
		253,633.000		
BYYDNJ2	TELE2 AB RIGHT SEK		0	0
		14,057.000		

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF	PROCEEDS FROM	
88031M109 TENARIS SA ADR USD 1		SHARES / PAR	ACQUISITION	DISPOSITION	
			(804,063)	933,943	
88224Q107 TEXAS CAPITAL BANCSHARES INC COMMON STOC		32,202.000	(166,042)	215,528	
		5,040.000			
882681109 TEXAS ROADHOUSE INC COMMON STOCK USD 0.0			(4,157)	4,192	
		100.000			
872438106 THL CREDIT INC COMMON STOCK USD 0.001		600.000	(6,436)	6,215	
886423102 TIDEWATER INC COMMON STOCK USD 0.1		11,533.000	(49,938)	32,407	
422245100 TIVITY HEALTH INC COMMON STOCK		2,606.000	(31,373)	57,665	
88870P106 TIVO CORP		900.000	(18,543)	18,096	
88907J107 TOKAI PHARMACEUTICALS INC COMMON STOCK U		100.000	(164)	169	
B1JLL30 TORRENT POWER LTD COMMON STOCK INR 10		10,998.000	(36,802)	30,181	
B1G8KX7 TRANSMISSORA ALIANCA DE ENERGIA ELETRICA		BRL 0	(487,364)	394,195	
		72,700.000			
87265H109 TRI POINTE GROUP INC COMMON STOCK USD 0.		12,970.000	(134,770)	153,415	
6305721 TRIPOD TECHNOLOGY CORP COMMON STOCK TWD		128,000.000	(233,375)	268,424	
87305R109 TTM TECHNOLOGIES INC COMMON STOCK USD 0.		1,922.000	(13,621)	17,788	
B1YYYYZ7 TUNG THIH ELECTRONIC CO LTD COMMON STOCK		24,000.000	(380,019)	343,592	
900111204 TURKCELL ILETISIM HIZMETLERI AS ADR USD		18,100.000	(178,848)	160,878	
90347A100 UBIQUITI NETWORKS INC COMMON STOCK USD 0		2,500.000	(82,465)	85,827	
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IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
B03MYX3	ULKER BISKUVI SANAYI AS COMMON STOCK TRY		SHARES / PAR	(371,346)	288,516
			51,281.000		
91336L107	UNIVAR INC COMMON STOCK USD 0.01		500.000	(10,418)	11,679
90328M107	USANA HEALTH SCIENCES INC COMMON STOCK U		100.000	(9,362)	12,508
BD0F6Q3	V-GUARD INDUSTRIES LTD COMMON STOCK INR		27,800.000	(67,318)	69,142
BYSZXP0	VALLOUREC SA RIGHT EUR		13,364.000	(277,127)	0
92230Y104	VASCO DATA SECURITY INTERNATIONAL INC CO	USD 0.001	700.000	(10,526)	11,561
922417100	VEECO INSTRUMENTS INC COMMON STOCK USD 0		100.000	(2,029)	1,915
B0BKSS2	VIENNA INSURANCE GROUP AG WIENER VERSICH	GRUPPE COMMON STOCK EUR 0	7,087.000	(151,731)	154,721
928298108	VISHAY INTERTECHNOLOGY INC COMMON STOCK		400.000	(4,978)	5,480
BD6G4Q6	VOCUS COMMUNICATIONS LTD RIGHT AUD		2,236.000	0	0
B65B4D0	VODACOM GROUP LTD COMMON STOCK ZAR		80,259.000	(914,013)	876,565
939653101	WASHINGTON REAL ESTATE INVESTMENT TRUST	0.01	306,292.000	(8,807,312)	8,913,888
BYQFRK5	WASTE CONNECTIONS INC		6,055.340	(376,024)	430,358
94106B101	WASTE CONNECTIONS INC		12,513.000	(209,451)	954,980
942749102	WATTS WATER TECHNOLOGIES INC COMMON STOC		300.000	(15,989)	20,655
948626106	WEIGHT WATCHERS INTERNATIONAL INC COMMON	0	1,500.000	(17,268)	15,684

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BYSVNL4 WELSPUN INDIA LTD COMMON STOCK INR 1.000		SHARES / PAR	ACQUISITION	DISPOSITION	
		65,460.000	(57,140)	97,830	
950814103 WESCO AIRCRAFT HOLDINGS INC COMMON STOCK		1,122.000	(15,942)	16,112	
92924F106 WGL HOLDINGS INC COMMON STOCK USD 0		300.000	(20,764)	20,060	
976391300 WINTHROP REALTY TRUST REIT EUR 1		5,900.000	(66,944)	28,143	
981811102 WORTHINGTON INDUSTRIES INC COMMON STOCK		100.000	(2,944)	3,040	
BYYSPD5 XL AXIATA TBK PT RIGHT IDR		54,000.000	0	0	
984249607 YRC WORLDWIDE INC COMMON STOCK USD 1		200.000	(2,020)	2,065	
BD9Q6R8 ZARDOYA OTIS SA RIGHT EUR		33,436.000	0	12,343	
98933Q108 ZELTIQ AESTHETICS INC COMMON STOCK USD 0		100.000	(2,404)	2,685	
98936J101 ZENDESK INC COMMON STOCK USD 0.01		7,235.000	(177,185)	212,106	
B1L3XL6 ZHUZHOU CRRC TIMES ELECTRIC CO LTD		75,500.000	(436,543)	392,913	
98974P100 ZIX CORP COMMON STOCK USD 0.01		61.000	(218)	219	
TOTAL COMMON			(114,196,678)	116,674,339	
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IDENTITY OF ISSUE, BORROWER, LESSOR PARTNERSHIP/JOINT VENTURE INTERESTS -----	DESCRIPTION OF INVESTMENT SHARES / PAR	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
65341B106 NEXTERA ENERGY PARTNERS LP LTD PART USD	18,294.000	(521,928)	549,272
TOTAL PARTNERSHIP/JOINT VENTURE INTERESTS		(521,928)	549,272
STATE AND MUNICIPAL SECURITIES -----			
57582RJN7 MASSACHUSETTS ST FOR ISSUES DTD PRIOR TO	SEMI-ANN. 3.277% 06/01/2046	(780,000)	794,149
	780,000.000		
592041WJ2 MET GOVT NASHVILLE & DAVIDSON CNTY TENN	SEMI-ANN. 4.053% 07/01/2026	(1,860,000)	1,923,910
	1,860,000.000		
TOTAL STATE AND MUNICIPAL SECURITIES		(2,640,000)	2,718,059
FOREIGN GOVERNMENT AND AGENCY SECURITIES -----			
040114GZ7 ARGENTINE REPUBLIC BOND FIXED 6.25% 22/A	SEMI-ANN. 6.250% 04/22/2019	(3,590,000)	3,839,505
	3,590,000.000		
040114GQ7 ARGENTINE REPUBLIC BOND FIXED 6.875% 22/	SEMI-ANN. 6.875% 04/22/2021	(8,280,000)	8,934,150
	8,280,000.000		
040114GR5 ARGENTINE REPUBLIC BOND FIXED 6.875% 22/	SEMI-ANN. 6.875% 04/22/2021	(3,680,000)	3,784,400
	3,680,000.000		
BMJJWF0 ARGENTINE REPUBLIC BOND FIXED 8.75% 07/M	SEMI-ANN. 8.750% 05/07/2024	(106,750)	108,650
	100,000.000		
040114GKA ARGENTINE REPUBLIC BOND STEP CPN 31/DEC/	SEMI-ANN. FLOATING 12/31/2038	(131,950)	133,800
	200,000.000		
BZ7P7L2 CANADA BILL ZERO CPN 12/JAN/2017 CAD 100	0.000% 01/12/2017	(3,034,743)	2,968,880
	4,000,000.000		
Y2029SAG9 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LAN	SEMI-ANN. 6.250% 07/27/2021	(167,425)	174,363
	177,000.000		
Y8137FAC2 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LAN	SEMI-ANN. 6.125% 06/03/2025	(175,500)	185,200
	200,000.000		

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
SHARES / PAR						
85227SAK2	DEMOCRATIC SOCIALIST REPUBLIC OF SRI LAN	SEMI-ANN.	5.875%	07/25/2022	(259,665)	272,058
P3579EBE6	DOMINICAN REPUBLIC BOND FIXED 6.85% 27/J	SEMI-ANN.	6.850%	01/27/2045	(94,375)	98,250
25714PDJ4	DOMINICAN REPUBLIC BOND FIXED 6.875% 29/	SEMI-ANN.	6.875%	01/29/2026	(310,631)	332,233
29134WAB3	EMIRATE OF ABU DHABI UNITED ARAB EMIRATE	SEMI-ANN.	3.125%	05/03/2026	(3,432,721)	3,517,233
BYVK006	FEDERATION OF MALAYSIA BOND FIXED 3.8% 1	SEMI-ANN.	3.800%	08/17/2023	(71,161)	75,187
BWTW0S8	FEDERATION OF MALAYSIA BOND FIXED 3.99%	SEMI-ANN.	3.990%	10/15/2025	(390,426)	414,551
B45G1T6	FEDERATION OF MALAYSIA BOND FIXED 4.16%	SEMI-ANN.	4.160%	07/15/2021	(121,327)	128,119
BP7ZY22	FEDERATIVE REPUBLIC OF BRAZIL BILL ZERO	SEMI-ANN.	FLOATING	10/01/2016	(356,906)	413,734
B930ZK4	FEDERATIVE REPUBLIC OF BRAZIL BILL ZERO	SEMI-ANN.	0.000%	07/01/2016	(232,614)	267,282
105756BX7	FEDERATIVE REPUBLIC OF BRAZIL CALLABLE B	SEMI-ANN.	6.000%	04/07/2026	(1,340,141)	1,374,710
105756BY5	FEDERATIVE REPUBLIC OF BRAZIL CALLABLE B	SEMI-ANN.	5.625%	02/21/2047	(4,432,521)	4,648,366
2C5431B	FRENCH REPUBLIC BILL ZERO CPN 08/JUN/201		0.000%	06/08/2016	(5,435,767)	5,592,584
V36283AB1	GABONESE REPUBLIC BOND FIXED 6.375% 12/D	SEMI-ANN.	6.375%	12/12/2024	(168,000)	168,562
471048AZ1	JAPAN BANK FOR INTERNATIONAL COOPERATION	SEMI-ANN.	2.250%	11/04/2026	(376,766)	377,739
471068AH9	JAPAN FINANCE ORGANIZATION FOR MUNICIPAL	SEMI-ANN.	2.125%	04/13/2021	(229,494)	230,814
BYPFZQ8	KINGDOM OF THE NETHERLANDS BILL ZERO CPN		0.000%	04/29/2016	(22,065,729)	22,773,379

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
		SHARES / PAR				
50066AAK9	KOREA GAS CORP MEDIUM TERM NOTE FIXED 1.	SEMI-ANN.	1.875%	07/18/2021	(9,404,831)	9,427,714
760942AS1	ORIENTAL REPUBLIC OF URUGUAY BOND FIXED	SEMI-ANN.	7.625%	03/21/2036	(395,278)	414,489
P75744AA3	PARAGUAY GOVERNMENT INTERNATIONAL BOND B	SEMI-ANN.	4.625%	01/25/2023	(210,392)	206,741
699149AC4	PARAGUAY GOVERNMENT INTERNATIONAL BOND B	SEMI-ANN.	5.000%	04/15/2026	(429,987)	464,400
B99BSV3	PERTAMINA PERSERO PT MEDIUM TERM NOTE FI	SEMI-ANN.	4.300%	05/20/2023	(199,375)	215,820
BYPZ911	PETROLEOS MEXICANOS CALLABLE MEDIUM TERM	SEMI-ANN.	6.875%	08/04/2026	(3,306,979)	3,624,908
71656LBH3	PETROLEOS MEXICANOS CALLABLE MEDIUM TERM	SEMI-ANN.	5.500%	02/04/2019	(6,622,980)	6,819,292
BRJ6RJ5	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN.	6.375%	01/23/2045	(10,575)	9,832
71654QAW2	PETROLEOS MEXICANOS CALLABLE NOTES FIXED	SEMI-ANN.	6.000%	03/05/2020	(14,273)	14,805
BD1NQM2	PLURINATIONAL STATE OF BOLIVIA CALLABLE	SEMI-ANN.	5.950%	08/22/2023	(129,950)	130,698
68323ADP6	PROVINCE OF ONTARIO CANADA BOND FIXED 2.	SEMI-ANN.	2.500%	04/27/2026	(477,232)	498,172
748149AJ0	PROVINCE OF QUEBEC CANADA BOND FIXED 2.5	SEMI-ANN.	2.500%	04/20/2026	(774,353)	786,701
BD4DXZ1	REPUBLIC OF ANGOLA BOND FIXED 9.5% 12/NO	SEMI-ANN.	9.500%	11/12/2025	(187,000)	185,554
BD60YW4	REPUBLIC OF CAMEROON INTERNATIONAL BOND	SEMI-ANN.	9.500%	11/19/2025	(430,700)	441,460
133653AA3	REPUBLIC OF CAMEROON INTERNATIONAL BOND	SEMI-ANN.	9.500%	11/19/2025	(59,310)	68,415
168863CA4	REPUBLIC OF CHILE BOND FIXED 3.125% 21/J	SEMI-ANN.	3.125%	01/21/2026	(4,975,072)	5,022,316

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			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
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168863AU2	REPUBLIC OF CHILE BOND FIXED 5.5% 05/AUG	SEMI-ANN.	5.500%	08/05/2020	0	0
195325CX1	REPUBLIC OF COLOMBIA CALLABLE BOND FIXED	SEMI-ANN.	4.500%	01/28/2026	(8,599,141)	9,049,677
						8,374,000.000
P01012AE6	REPUBLIC OF EL SALVADOR BOND FIXED 8.25%	SEMI-ANN.	8.250%	04/10/2032	(87,293)	97,634
						103,000.000
455780BY1	REPUBLIC OF INDONESIA BOND FIXED 5.25% 0	SEMI-ANN.	5.250%	01/08/2047	(317,587)	312,800
						320,000.000
BYRK9M5	REPUBLIC OF INDONESIA BOND FIXED 8.75% 1	SEMI-ANN.	8.750%	05/15/2031	(830,634)	822,510
						10,299,000,000.000
BJ03926	REPUBLIC OF INDONESIA MEDIUM TERM NOTE F	SEMI-ANN.	5.875%	01/15/2024	(229,163)	236,880
						210,000.000
BYPHX04	REPUBLIC OF INDONESIA MEDIUM TERM NOTE F	SEMI-ANN.	4.750%	01/08/2026	(208,331)	215,361
						205,000.000
Y20721BB4	REPUBLIC OF INDONESIA MEDIUM TERM NOTE F	SEMI-ANN.	5.250%	01/17/2042	(191,960)	200,750
						200,000.000
BYVNQ29	REPUBLIC OF INDONESIA MEDIUM TERM NOTE F	SEMI-ANN.	5.950%	01/08/2046	(963,000)	929,063
						750,000.000
BD6G5Y1	REPUBLIC OF ITALY BOND FIXED 1.5% 01/JUN	SEMI-ANN.	1.500%	06/01/2025	(2,029,195)	2,036,159
						1,800,000.000
698299BF0	REPUBLIC OF PANAMA CALLABLE BOND FIXED 3	SEMI-ANN.	3.875%	03/17/2028	(3,320,649)	3,377,117
						3,342,000.000
698299AX2	REPUBLIC OF PANAMA CALLABLE BOND FIXED 5	SEMI-ANN.	5.200%	01/30/2020	(43,596)	44,150
						40,000.000
715638BE1	REPUBLIC OF PERU BOND FIXED 6.95% 12/AUG	SEMI-ANN.	6.950%	08/12/2031	(145,521)	158,131
						550,000.000
715638AS1	REPUBLIC OF PERU BOND FIXED 7.35% 21/JUL	SEMI-ANN.	7.350%	07/21/2025	(843,898)	855,769
						650,000.000
715638AP7	REPUBLIC OF PERU BOND FIXED 8.75% 21/NOV	SEMI-ANN.	8.750%	11/21/2033	(286,000)	296,750
						200,000.000
731011AU6	REPUBLIC OF POLAND BOND FIXED 3.25% 06/A	SEMI-ANN.	3.250%	04/06/2026	(476,395)	482,320
						480,000.000
JPMorgan Investor Services			J.P.Morgan			

	IDENTITY OF ISSUER, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
B7D6MY1	REPUBLIC OF POLAND BOND FIXED 4.75% 25/A	ANNUAL 4.750% 04/25/2017 2,740,000.000	(722,630)	750,842
BJGZDJ1	REPUBLIC OF POLAND BOND ZERO CPN 25/JUL/	SEMI-ANN. 0.000% 07/25/2016 420,000.000	(104,260)	110,567
BJVD3C3	REPUBLIC OF SLOVENIA BOND FIXED 4.125% 1	SEMI-ANN. 4.125% 02/18/2019 220,000.000	(231,550)	232,285
B8NBTX1	REPUBLIC OF SLOVENIA BOND FIXED 5.5% 26/	SEMI-ANN. 5.500% 10/26/2022 720,000.000	(810,650)	811,872
S69124FF7	REPUBLIC OF SOUTH AFRICA BOND FIXED 10.5	SEMI-ANN. 10.500% 12/21/2026 25,905,000.000	(2,020,428)	1,833,389
836205AV6	REPUBLIC OF SOUTH AFRICA BOND FIXED 5% 1	SEMI-ANN. 5.000% 10/12/2046 1,190,000.000	(1,190,000)	1,150,730
B03YY84	REPUBLIC OF SOUTH AFRICA BOND FIXED 8% 2	SEMI-ANN. 8.000% 12/21/2018 8,400,000.000	(508,782)	544,885
718286AP2	REPUBLIC OF THE PHILIPPINES BOND FIXED 1	SEMI-ANN. 10.625% 03/16/2025 228,000.000	(364,453)	372,495
718286CA3	REPUBLIC OF THE PHILIPPINES BOND FIXED 3	SEMI-ANN. 3.700% 03/01/2041 464,000.000	(464,000)	486,620
718286BY2	REPUBLIC OF THE PHILIPPINES BOND FIXED 4	SEMI-ANN. 4.200% 01/21/2024 90,000.000	(98,438)	101,588
718286BN6	REPUBLIC OF THE PHILIPPINES BOND FIXED 5	SEMI-ANN. 5.500% 03/30/2026 175,000.000	(209,125)	217,656
718286BG1	REPUBLIC OF THE PHILIPPINES BOND FIXED 6	SEMI-ANN. 6.375% 10/23/2034 335,000.000	(452,248)	466,846
718286AY3	REPUBLIC OF THE PHILIPPINES BOND FIXED 9	SEMI-ANN. 9.500% 02/02/2030 140,000.000	(222,925)	235,732
BDGP106	REPUBLIC OF TURKEY BOND FIXED 10.6% 11/F	SEMI-ANN. FLOATING 02/11/2026 700,000.000	(253,001)	254,023
BD6RFY4	REPUBLIC OF TURKEY BOND FIXED 10.7% 17/F	SEMI-ANN. FLOATING 02/17/2021 700,000.000	(251,065)	251,887
900123CK4	REPUBLIC OF TURKEY BOND FIXED 4.875% 09/	SEMI-ANN. 4.875% 10/09/2026 2,720,000.000	(2,704,201)	2,752,813

IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
900123CF5	REPUBLIC OF TURKEY BOND FIXED 5.75% 22/M	SEMI-ANN.	SHARES / PAR			(211,500)	216,750
BYN3G49	REPUBLIC OF TURKEY BOND FIXED 9.4% 08/JU	SEMI-ANN.	FLOATING	07/08/2020		(1,057,622)	1,071,863
B7LPRW3	REPUBLIC OF TURKEY BOND FIXED 9.5% 12/JA	SEMI-ANN.	FLOATING	01/12/2022		(32,271)	34,310
2C8027B	REPUBLIC OF TURKEY BOND ZERO CPN 14/DEC/	SEMI-ANN.		12/14/2016		(643,415)	695,057
77586TAD8	ROMANIA MEDIUM TERM NOTE FIXED 4.875% 22	SEMI-ANN.		01/22/2024		(828,428)	834,141
B3N2XK4	RUSSIAN FEDERATION BOND FIXED 7.4% 14/JU	SEMI-ANN.	FLOATING	06/14/2017		(422,100)	466,168
B07Q1N0	SERBIA INTERNATIONAL BOND CALLABLE BOND	SEMI-ANN.	FLOATING	11/01/2024		(134,724)	135,590
46513CXR2	STATE OF ISRAEL BOND FIXED 2.875% 16/MAR	SEMI-ANN.		03/16/2026		(497,115)	504,058
066716AJ0	TUNISIAN REPUBLIC BOND FIXED 1.416% 05/A	SEMI-ANN.		08/05/2021		(369,000)	370,310
BZ09DV3	UKRAINE BOND FIXED 7.75% 01/SEP/2020 USD	SEMI-ANN.		09/01/2020		(87,500)	93,500
BYSRK66	UKRAINE BOND FIXED 7.75% 01/SEP/2022 USD	SEMI-ANN.		09/01/2022		(86,750)	91,375
X5S005UJ8	UKRAINE BOND FIXED 7.75% 01/SEP/2024 USD	SEMI-ANN.		09/01/2024		(90,625)	89,250
903724BL5	UKRAINE GOVERNMENT AID BONDS BOND FIXED	SEMI-ANN.		09/29/2021		(549,000)	550,459
BDNRNG5	UNITED KINGDOM OF GREAT BRITAIN AND NORT			04/18/2016		(6,961,588)	7,070,442
BXRBB36	UNITED KINGDOM OF GREAT BRITAIN AND NORT			12/12/2016		(662,571)	623,685
BXRB4V5	UNITED KINGDOM OF GREAT BRITAIN AND NORT			11/28/2016		(731,600)	733,075

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			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR					
BXRB7Q1	UNITED KINGDOM OF GREAT BRITAIN AND NORT		0.000%	12/05/2016		(731,573)		747,195
			600,000.000					
BXR91S5	UNITED KINGDOM OF GREAT BRITAIN AND NORT		0.000%	12/19/2016		(3,922,227)		3,735,700
			3,000,000.000					
B3ZD2V9	UNITED MEXICAN STATES BOND FIXED 6.5% 10		SEMI-ANN.	FLOATING 06/10/2021		(153,289)		153,266
			2,550,000.000					
91086QBF4	UNITED MEXICAN STATES CALLABLE BOND FIXE		SEMI-ANN.	4.600% 01/23/2046		(891,625)		840,000
			875,000.000					
91086QBG2	UNITED MEXICAN STATES CALLABLE MEDIUM TE		SEMI-ANN.	4.125% 01/21/2026		(3,001,906)		3,139,818
			2,932,000.000					
TOTAL FOREIGN GOVERNMENT AND AGENCY SECURITIES RIGHTS, WARRANTS AND SUBSCRIPTIONS						(137,359,447)		141,030,374

BD04358	ACERINOX SA ORD EUR0.25 SUB RIGHTS 30/06					0		0
			75,637.000					
BD3GC21	ACS ACTIVIDADES DE CONSTRUCCION Y SERVIC		RIGHT EUR			0		36,012
			87,879.000					
BD1LVR6	AIR LIQUIDE SA RIGHT EUR					0		40,957
			15,155.000					
3C0324F	BY COMDTY CALL USD 2 30/MAR/	2.00	CALL SCTY 4098846	EX 03/30/2016	1000	4,214		(2)
			34.000					
CFU6IDX	CAC 40 INDEX EQUITY INDEX 16/SEP/2016 CF		EXPIRES 09/16/2016	SIZE	10.0	0		138,928
			178.000					
CFH7IDX	CAC 40 INDEX EQUITY INDEX 17/MAR/2017 CF		EXPIRES 03/17/2017	SIZE	10.0	0		18,031
			14.000					
BYVQ8R7	CAIXABANK SA RIGHT EUR					0		2
			117,263.000					
5C5544F	CORN CALL USD 3.85 26/AUG/20	3.85	CALL SCTY 4098846	EX 08/26/2016	50	(8,348)		4,523
			9.000					
5C5264F	CORN CALL USD 3.9 26/AUG/201	3.90	CALL SCTY 4098846	EX 08/26/2016	50	(26,070)		11,400
			26.000					
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	IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
4C3394F	CORN CALL USD 4.15 20/MAY/20	4.15	CALL SCTY 4098846 EX 05/20/2016	50	11,234	(6)
			58.000			
4C3404F	CT COMDTY CALL USD .67 10/JU	.67	CALL SCTY 4098846 EX 06/10/2016	500	12,267	(4)
			35.000			
4C3654F	CT COMDTY CALL USD .68 10/JU	.68	CALL SCTY 4098846 EX 06/10/2016	500	2,675	(1)
			9.000			
5C3771F	CT COMDTY CALL USD .7 19/AUG	.70	CALL SCTY 4098846 EX 08/19/2016	500	2,342	(1)
			5.000			
4C9625F	CT COMDTY CALL USD 0.65 10/J	.65	CALL SCTY 4098846 EX 06/10/2016	500	778	0
			4.000			
5C2717F	CT COMDTY CALL USD 0.69 19/A	.69	CALL SCTY 4098846 EX 08/19/2016	500	4,861	(1)
			11.000			
5C4009F	CT COMDTY CALL USD 0.71 19/A	.71	CALL SCTY 4098846 EX 08/19/2016	500	322	0
			1.000			
GXU6IDX	DAX INDEX FUTURE EQUITY INDEX 16/SEP/201		EXPIRES 09/16/2016 SIZE	25.0	0	469,334
			23.000			
VGU6IDX	EURO STOXX 50 EQUITY INDEX 16/SEP/2016 V		EXPIRES 09/16/2016 SIZE	10.0	0	85,565
			44.000			
4C1059F	EUROPEAN-STYLE CRUDE OIL CAL	51.00	CALL SCTY 4098846 EX 11/16/2016	1000	162,490	(170,176)
			86.000			
4C3655F	EUROPEAN-STYLE CRUDE OIL CAL	52.00	CALL SCTY 4098846 EX 08/17/2016	1000	65,433	(74,047)
			44.000			
3C7272F	EUROPEAN-STYLE CRUDE OIL CAL	53.00	CALL SCTY 4098846 EX 08/17/2016	1000	34,736	(60,764)
			29.000			
3C7518F	EUROPEAN-STYLE CRUDE OIL CAL	53.00	CALL SCTY 4098846 EX 11/16/2016	1000	117,870	(148,770)
			59.000			
3C7275F	EUROPEAN-STYLE CRUDE OIL CAL	54.00	CALL SCTY 4098846 EX 11/16/2016	1000	58,516	(105,914)
			29.000			
3C6998F	EUROPEAN-STYLE CRUDE OIL CAL	55.00	CALL SCTY 4098846 EX 08/17/2016	1000	191,194	(141,006)
			161.000			
3C7600F	EUROPEAN-STYLE CRUDE OIL CAL	56.00	CALL SCTY 4098846 EX 11/15/2017	1000	(200,730)	355,460
			59.000			

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			BASE CURRENCY: USD				
	IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
3C7277F	EUROPEAN-STYLE CRUDE OIL CAL	57.00	CALL SCTY 4098846	EX 11/15/2017	1000	(95,764)	174,806
				29.000			
3C6980F	EUROPEAN-STYLE CRUDE OIL CAL	58.00	CALL SCTY 4098846	EX 08/17/2017	1000	(214,871)	348,089
				73.000			
3C7270F	EUROPEAN-STYLE CRUDE OIL CAL	60.00	CALL SCTY 4098846	EX 08/17/2017	1000	(66,764)	136,236
				29.000			
3C7002F	EUROPEAN-STYLE CRUDE OIL CAL	62.00	CALL SCTY 4098846	EX 08/17/2017	1000	(306,582)	487,818
				132.000			
3C8430F	EUROPEAN-STYLE NATURAL GAS C	2.20	CALL SCTY 4098846	EX 04/26/2016	10000	13,764	0
				30.000			
4C9639F	EUROPEAN-STYLE NATURAL GAS C	2.40	CALL SCTY 4098846	EX 06/27/2016	10000	1,350	(12,649)
				4.000			
4C4621F	EUROPEAN-STYLE NATURAL GAS C	2.45	CALL SCTY 4098846	EX 05/25/2016	10000	6,234	0
				30.000			
5C0106F	EUROPEAN-STYLE NATURAL GAS C	2.45	CALL SCTY 4098846	EX 06/27/2016	10000	4,459	(50,582)
				19.000			
5C0894W	EUROPEAN-STYLE NATURAL GAS C	2.55	CALL SCTY 4098846	EX 06/27/2016	10000	11,432	(43,217)
				26.000			
5C2719F	EUROPEAN-STYLE NATURAL GAS C	3.00	CALL SCTY 4098846	EX 07/26/2016	10000	12,655	(755)
				34.000			
5C8877F	EUROPEAN-STYLE NATURAL GAS C	3.00	CALL SCTY 4098846	EX 08/26/2016	10000	16,684	0
				44.000			
6C4094F	EUROPEAN-STYLE NATURAL GAS C	3.00	CALL SCTY 4098846	EX 09/27/2016	10000	25,753	(20,241)
				54.000			
5C9383W	EUROPEAN-STYLE NATURAL GAS C	3.05	CALL SCTY 4098846	EX 08/26/2016	10000	2,526	0
				11.000			
5C4021F	EUROPEAN-STYLE NATURAL GAS C	3.10	CALL SCTY 4098846	EX 12/27/2016	10000	(60,998)	52,914
				17.000			
5C4454F	EUROPEAN-STYLE NATURAL GAS C	3.10	CALL SCTY 4098846	EX 07/26/2016	10000	4,911	(159)
				13.000			
6C4105F	EUROPEAN-STYLE NATURAL GAS C	3.10	CALL SCTY 4098846	EX 09/27/2016	10000	604	(538)
				2.000			
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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
5C4066F	EUROPEAN-STYLE NATURAL GAS C	3.60	CALL SCTY 4098846 EX 12/27/2016	10000	17.000	33,237	(14,053)
BDHF149	EXOR SPA RIGHT EUR					(1,402)	1,402
BYMB655	FERROVIAL SA RIGHT EUR					0	0
Z0U6IDX	FTSE 100 IDX FUT EQUITY INDEX 16/SEP/201		EXPIRES 09/16/2016	10.0	186.000	0	1,047,101
STU6IDX	FTSE/MIB IDX FUT EQUITY INDEX 16/SEP/201		EXPIRES 09/16/2016	5.0	15.000	0	13,648
EON6IDX	FUTURE AEX INDEX EQUITY INDEX 15/JUL/201		EXPIRES 07/15/2016	200.0	24.000	0	115,015
EOU6IDX	FUTURE AEX INDEX EQUITY INDEX 16/SEP/201		EXPIRES 09/16/2016	200.0	24.000	0	(18,180)
EOH6IDX	FUTURE AEX INDEX EQUITY INDEX 18/MAR/201		EXPIRES 03/18/2016	200.0	63.000	0	518,871
EOX6IDX	FUTURE AEX INDEX EQUITY INDEX 18/NOV/201		EXPIRES 11/18/2016	200.0	34.000	0	(15,781)
EOQ6IDX	FUTURE AEX INDEX EQUITY INDEX 19/AUG/201		EXPIRES 08/19/2016	200.0	24.000	0	64,172
EOG6IDX	FUTURE AEX INDEX EQUITY INDEX 19/FEB/201		EXPIRES 02/19/2016	200.0	63.000	0	(161,218)
EOK6IDX	FUTURE AEX INDEX EQUITY INDEX 20/MAY/201		EXPIRES 05/20/2016	200.0	25.000	0	(6,277)
EOV6IDX	FUTURE AEX INDEX EQUITY INDEX 21/OCT/201		EXPIRES 10/21/2016	200.0	24.000	0	42,984
3C5343F	GOLD CALL USD 1300 28/MAR/20	1300.00	CALL SCTY 4098846 EX 03/28/2016	100	54.000	23,316	(3)
HIG6IDX	HANG SENG IDX FUT EQUITY INDEX 26/FEB/20		EXPIRES 02/26/2016	50.0	53.000	0	148,955
HIJ6IDX	HANG SENG IDX FUT EQUITY INDEX 28/APR/20		EXPIRES 04/28/2016	50.0	19.000	0	114,644
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	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
HIN6IDX	HANG SENG IDX FUT EQUITY INDEX 28/JUL/20	EXPIRES 07/28/2016 SIZE 20.000	50.0	0	149,917
HIV6IDX	HANG SENG IDX FUT EQUITY INDEX 28/OCT/20	EXPIRES 10/28/2016 SIZE 21.000	50.0	0	17,524
HIM6IDX	HANG SENG IDX FUT EQUITY INDEX 29/JUN/20	EXPIRES 06/29/2016 SIZE 20.000	50.0	0	164,470
HIX6IDX	HANG SENG IDX FUT EQUITY INDEX 29/NOV/20	EXPIRES 11/29/2016 SIZE 24.000	50.0	0	(98,490)
HIU6IDX	HANG SENG IDX FUT EQUITY INDEX 29/SEP/20	EXPIRES 09/29/2016 SIZE 17.000	50.0	0	62,758
HIQ6IDX	HANG SENG IDX FUT EQUITY INDEX 30/AUG/20	EXPIRES 08/30/2016 SIZE 17.000	50.0	0	83,238
HIH6IDX	HANG SENG IDX FUT EQUITY INDEX 30/MAR/20	EXPIRES 03/30/2016 SIZE 53.000	50.0	0	380,197
HIK6IDX	HANG SENG IDX FUT EQUITY INDEX 30/MAY/20	EXPIRES 05/30/2016 SIZE 20.000	50.0	0	(185,156)
BZBZ4F1	HANWHA CORP RIGHT KRW			0	0
3C8445F	HENRY HUB NATURAL GAS CALL U 2.25	CALL SCTY 4098846 EX 04/26/2016 10000	7,943		0
4C4889F	HENRY HUB NATURAL GAS CALL U 2.40	CALL SCTY 4098846 EX 05/25/2016 10000	4,242		0
2C9422F	HENRY HUB NATURAL GAS CALL U 2.45	CALL SCTY 4098846 EX 02/24/2016 10000	7,685		0
4C4643F	HENRY HUB NATURAL GAS CALL U 2.45	CALL SCTY 4098846 EX 05/25/2016 10000	854		0
4C7815F	HENRY HUB NATURAL GAS CALL U 2.45	CALL SCTY 4098846 EX 06/27/2016 10000	5,628		(22)
4C7817F	HENRY HUB NATURAL GAS CALL U 2.50	CALL SCTY 4098846 EX 06/27/2016 10000	1,613		(7)
IBN6IDX	IBEX 35 INDX FUTR EQUITY INDEX 15/JUL/20	EXPIRES 07/15/2016 SIZE 24.000	10.0	0	(657)

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			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION		
IBU6IDX	IBEX 35 INDX FUTR EQUITY INDEX 16/SEP/20	EXPIRES 09/16/2016	SIZE	10.0		0	74,645	
		16.000						
IBH6IDX	IBEX 35 INDX FUTR EQUITY INDEX 18/MAR/20	EXPIRES 03/18/2016	SIZE	10.0		0	382,179	
		65.000						
IBX6IDX	IBEX 35 INDX FUTR EQUITY INDEX 18/NOV/20	EXPIRES 11/18/2016	SIZE	10.0		0	45,037	
		16.000						
IBQ6IDX	IBEX 35 INDX FUTR EQUITY INDEX 19/AUG/20	EXPIRES 08/19/2016	SIZE	10.0		0	56,740	
		16.000						
IBG6IDX	IBEX 35 INDX FUTR EQUITY INDEX 19/FEB/20	EXPIRES 02/19/2016	SIZE	10.0		0	(537,847)	
		65.000						
IBK6IDX	IBEX 35 INDX FUTR EQUITY INDEX 20/MAY/20	EXPIRES 05/20/2016	SIZE	10.0		0	48,557	
		24.000						
588513F	ICE ACAL BRENT CRUDE FUT 01/17 @ 60 (COF	EXPIRES 11/25/2016	SIZE	1,000.0		0	(61,120)	
		25.000						
588516F	ICE ACAL BRENT CRUDE FUT 01/17 @ 61 (COF	EXPIRES 11/25/2016	SIZE	1,000.0		0	(46,130)	
		19.000						
588405F	ICE ACAL BRENT CRUDE FUT 05/16 @ 40	EXPIRES 03/24/2016	SIZE	1,000.0		0	2,269	
		48.000						
588414F	ICE ACAL BRENT CRUDE FUT 05/16 @ 41	EXPIRES 03/24/2016	SIZE	1,000.0		0	(328)	
		22.000						
588520F	ICE ACAL BRENT CRUDE FUT 08/16 @ 53	EXPIRES 06/27/2016	SIZE	1,000.0		0	755	
		6.000						
588526F	ICE ACAL BRENT CRUDE FUT 08/16 @ 54	EXPIRES 06/27/2016	SIZE	1,000.0		0	995	
		6.000						
588532F	ICE ACAL BRENT CRUDE FUT 12/16 @ 60	EXPIRES 10/26/2016	SIZE	1,000.0		0	(25,241)	
		13.000						
588534F	ICE ACAL BRENT CRUDE FUT 12/16 @ 62 (COZ	EXPIRES 10/26/2016	SIZE	1,000.0		0	(34,920)	
		19.000						
588392F	ICE ACAL BRENT CRUDE FUT 4/16 @ 36	EXPIRES 02/24/2016	SIZE	1,000.0		0	10,120	
		16.000						
588397F	ICE ACAL BRENT CRUDE FUT 4/16 @ 38	EXPIRES 02/24/2016	SIZE	1,000.0		0	8,697	
		14.000						
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	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
588453F	ICE ACAL BRENT CRUDE FUT 6/16 @ 46	EXPIRES 04/26/2016 SIZE 1,000.0	0	1,792
588487F	ICE ACAL BRENT CRUDE FUT 7/16 @ 49	EXPIRES 05/25/2016 SIZE 1,000.0	0	(7,386)
588552F	ICE ACAL BRENT CRUDE FUT 9/16 @ 55	EXPIRES 07/26/2016 SIZE 1,000.0	0	42,519
588521F	ICE APUT BRENT CRUDE FUT 08/16 @ 42	EXPIRES 06/27/2016 SIZE 1,000.0	0	2,803
588527F	ICE APUT BRENT CRUDE FUT 08/16 @ 43	EXPIRES 06/27/2016 SIZE 1,000.0	0	2,122
588384F	ICE APUT BRENT CRUDE FUT 2/16 @ 31.5	EXPIRES 01/26/2016 SIZE 1,000.0	0	3,521
588393F	ICE APUT BRENT CRUDE FUT 4/16 @ 25	EXPIRES 02/24/2016 SIZE 1,000.0	0	11,142
588398F	ICE APUT BRENT CRUDE FUT 4/16 @ 27	EXPIRES 02/24/2016 SIZE 1,000.0	0	10,040
588406F	ICE APUT BRENT CRUDE FUT 5/16 @ 28	EXPIRES 03/24/2016 SIZE 1,000.0	0	7,958
588408F	ICE APUT BRENT CRUDE FUT 5/16 @ 29	EXPIRES 03/24/2016 SIZE 1,000.0	0	12,499
588415F	ICE APUT BRENT CRUDE FUT 5/16 @ 30	EXPIRES 03/24/2016 SIZE 1,000.0	0	7,125
588404F	ICE APUT BRENT CRUDE FUT 6/16 @ 27	EXPIRES 05/26/2016 SIZE 1,000.0	0	6,985
588413F	ICE APUT BRENT CRUDE FUT 6/16 @ 28	EXPIRES 04/26/2016 SIZE 1,000.0	0	7,781
588455F	ICE APUT BRENT CRUDE FUT 6/16 @ 35	EXPIRES 04/26/2016 SIZE 1,000.0	0	8,309
588454F	ICE APUT BRENT CRUDE FUT 6/16 @ 36	EXPIRES 04/26/2016 SIZE 1,000.0	0	3,559
588488F	ICE APUT BRENT CRUDE FUT 7/16 @ 40	EXPIRES 05/25/2016 SIZE 1,000.0	0	6,356

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
588545F	ICE APUT BRENT CRUDE FUT 9/16 @ 43		EXPIRES 07/26/2016	SIZE	1,000.0	0	4,074
			7.000				
588539F	ICE APUT BRENT CRUDE FUT 9/16 @ 45		EXPIRES 07/26/2016	SIZE	1,000.0	0	9,568
			32.000				
531229110	LIBERTY BRAVES GROUP RIGHT USD					0	263
			1,867.000				
5C9859F	LIGHT SWEET CRUDE OIL CALL U	47.00	CALL SCTY 4098846	EX 09/15/2016	1000	50,392	0
			56.000				
6C8384F	LIGHT SWEET CRUDE OIL CALL U	50.00	CALL SCTY 4098846	EX 11/16/2016	1000	21,824	(293)
			24.000				
5C7363F	LIGHT SWEET CRUDE OIL CALL U	51.00	CALL SCTY 4098846	EX 11/16/2016	1000	18,907	(293)
			24.000				
5C8894F	LIGHT SWEET CRUDE OIL CALL U	51.00	CALL SCTY 4098846	EX 09/15/2016	1000	8,278	(222)
			10.000				
5C6988F	LIGHT SWEET CRUDE OIL CALL U	52.00	CALL SCTY 4098846	EX 09/15/2016	1000	20,323	(444)
			20.000				
6C7770F	LIGHT SWEET CRUDE OIL CALL U	52.00	CALL SCTY 4098846	EX 11/16/2016	1000	23,947	(293)
			24.000				
6C4786F	LIGHT SWEET CRUDE OIL CALL U	53.00	CALL SCTY 4098846	EX 10/17/2016	1000	33,496	(1,366)
			48.000				
6C7786F	LIGHT SWEET CRUDE OIL CALL U	53.00	CALL SCTY 4098846	EX 11/16/2016	1000	145,071	(2,079)
			149.000				
4C3664F	LIGHT SWEET CRUDE OIL CALL U	55.00	CALL SCTY 4098846	EX 11/16/2016	1000	57,936	(48,884)
			29.000				
5C4450F	LIGHT SWEET CRUDE OIL CALL U	55.00	CALL SCTY 4098846	EX 08/17/2016	1000	29,864	(902)
5C4432F	LIGHT SWEET CRUDE OIL CALL U	56.00	CALL SCTY 4098846	EX 08/17/2016	1000	24,018	0
			28.000				
7C3132F	LIGHT SWEET CRUDE OIL CALL U	56.00	CALL SCTY 4098846	EX 12/15/2016	1000	48,614	(1,066)
			48.000				
4C3651F	LIGHT SWEET CRUDE OIL CALL U	61.00	CALL SCTY 4098846	EX 11/15/2017	1000	(91,704)	113,118
			29.000				
JPMorgan Investor Services			J.P.Morgan				

	IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT					COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
			SHARES / PAR						
4C7601F	NY HARBOR RBOB GASOLINE CALL	1.65	CALL SCTY 4098846	EX 11/25/2016	420		127,163	0	
						44.000			
5C1960F	NY HARBOR RBOB GASOLINE CALL	1.65	CALL SCTY 4098846	EX 10/26/2016	420		30,001	0	
						13.000			
5C2216F	NY HARBOR RBOB GASOLINE CALL	1.70	CALL SCTY 4098846	EX 10/26/2016	420		46,151	(6,300)	
						22.000			
588399F	NYM EPUT NAT GAS CSO FUT 10/	.45	PUT SCTY	EX 09/30/2016	10000		4,703	(17,379)	
						16.000			
588401W	NYM EPUT WTI-BRENT SPRD FUT	4.00	PUT SCTY	EX 04/13/2016	1000		2,004	(2)	
						34.000			
QCN6IDX	OMXS30 IND FUTURE EQUITY INDEX 15/JUL/20		EXPIRES 07/15/2016	SIZE	100.0		0	(7,954)	
						162.000			
QCU6IDX	OMXS30 IND FUTURE EQUITY INDEX 16/SEP/20		EXPIRES 09/16/2016	SIZE	100.0		0	44,075	
						129.000			
QCZ5IDX	OMXS30 IND FUTURE EQUITY INDEX 18/DEC/20		EXPIRES 12/18/2015	SIZE	100.0		0	9,879	
						11.000			
QCH6IDX	OMXS30 IND FUTURE EQUITY INDEX 18/MAR/20		EXPIRES 03/18/2016	SIZE	100.0		0	301,680	
						454.000			
QCX6IDX	OMXS30 IND FUTURE EQUITY INDEX 18/NOV/20		EXPIRES 11/18/2016	SIZE	100.0		0	30,469	
						172.000			
QCQ6IDX	OMXS30 IND FUTURE EQUITY INDEX 19/AUG/20		EXPIRES 08/19/2016	SIZE	100.0		0	88,118	
						129.000			
QCG6IDX	OMXS30 IND FUTURE EQUITY INDEX 19/FEB/20		EXPIRES 02/19/2016	SIZE	100.0		0	(157,402)	
						454.000			
QCK6IDX	OMXS30 IND FUTURE EQUITY INDEX 20/MAY/20		EXPIRES 05/20/2016	SIZE	100.0		0	(90,474)	
						173.000			
QCV6IDX	OMXS30 IND FUTURE EQUITY INDEX 21/OCT/20		EXPIRES 10/21/2016	SIZE	100.0		0	5,318	
						129.000			
BD0M341	REPSOL SA EUR1 SUB RIGHTS 01/07/16						0	34,627	
						166,815.000			
RTAM6ID	RUSSELL 2000 MINI EQUITY INDEX 17/JUN/20		EXPIRES 06/17/2016	SIZE	100.0		0	673,328	
						224.000			

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			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR					
FAM6IDX	S&P MID 400 EMINI EQUITY INDEX 17/JUN/20		EXPIRES 06/17/2016	SIZE	100.0	0	515,559	
					115.000			
2C5835F	SB COMDTY CALL USD 0.16 16/F	.16	CALL SCTY 4098846	EX 02/16/2016	1120	16,182	(7)	
					67.000			
4C4617F	SOYBEAN JUL-NOV CALENDAR SPR	.40	CALL SCTY	EX 06/24/2016	50	13,764	(4)	
					36.000			
4C9666F	SOYBEAN MEAL CALL USD 420 24	420.00	CALL SCTY 4098846	EX 06/24/2016	100	2,092	0	
					3.000			
4C9893F	SOYBEAN MEAL CALL USD 440 24	440.00	CALL SCTY 4098846	EX 06/24/2016	100	7,821	(1)	
					13.000			
4C3880F	SOYBEANS CALL USD 1.1 20/MAY	1.10	CALL SCTY 4098846	EX 05/20/2016	50	20,626	(4)	
					38.000			
5C5257F	SOYBEANS CALL USD 11.4 22/JU	11.40	CALL SCTY 4098846	EX 07/22/2016	50	(22,458)	29,658	
					12.000			
XPU6IDX	SPI 200 FUTURES EQUITY INDEX 15/SEP/2016		EXPIRES 09/15/2016	SIZE	25.0	0	127,786	
					52.000			
BDFLV38	VS INDUSTRY BHD WTS 06/01/19 (TO SUB FOR					0	8,084	
					89,875.000			
BYZZXB9	YAMANA GOLD INC RIGHT CAD					0	877	
					16,118.000			
4C5142F	10 YEAR US TREASURY NOTES CA	132.00	CALL SCTY 4098846	EX 06/24/2016	100000	22,316	(54)	
					99.000			
4C7520W	10 YEAR US TREASURY NOTES CA	134.00	CALL SCTY 4098846	EX 07/22/2016	100000	56,003	(12,880)	
					165.000			
588452F	588452F		EXPIRES 04/26/2016	SIZE	1,000.0	0	12,198	
					21.000			
TOTAL RIGHTS, WARRANTS AND SUBSCRIPTIONS						589,625	5,668,201	

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 735 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF	
PURCHASED OPTIONS			SHARES / PAR			ACQUISITION	
-----						PROCEEDS FROM	
						DISPOSITION	
208857IB	Commodity Option Index	60.00	CALL SCTY	EX 12/31/2016	1	(103,320)	0
				45,000.000			
208858IB	Commodity Option Index	60.00	CALL SCTY	EX 12/31/2016	1	(44,280)	0
				18,000.000			
5C5461F	CORN PUT USD 3.85 26/AUG/201	3.85	PUT SCTY 4098846	EX 08/26/2016	50	(9,250)	13,058
				9.000			
5C5254F	CORN PUT USD 3.9 26/AUG/2016	3.90	PUT SCTY 4098846	EX 08/26/2016	50	(27,947)	43,272
				26.000			
6C8849F	EUROPEAN-STYLE NATURAL GAS P	2.50	PUT SCTY 4098846	EX 09/27/2016	10000	(134)	0
				11.000			
588388F	EUX ACAL EURO-BUND 05/26/16 @ 163 (RXM6C		EXPIRES 05/26/2016	SIZE	100,000.0	0	14,048
				29.000			
588429F	EUX ACAL EURO-BUND 05/26/16 @ 165 (RXM6C		EXPIRES 05/26/2016	SIZE	100,000.0	0	23,620
				55.000			
588430F	EUX APUT EURO-BUND 05/26/16 @ 158.5 (RXM		EXPIRES 05/26/2016	SIZE	100,000.0	0	31,961
				55.000			
209434IB	FOREIGN EXCHANGE OPTION - FX	.72	PUT SCTY	EX 11/30/2016	1	(139,114)	0
				48,190,000.000			
209428IB	FOREIGN EXCHANGE OPTION - FX	.73	PUT SCTY	EX 12/09/2016	1	(383,849)	0
				71,830,000.000			
208674IB	FOREIGN EXCHANGE OPTION - FX	.74	PUT SCTY	EX 03/30/2016	1	(307,019)	0
				69,980,000.000			
209016IB	FOREIGN EXCHANGE OPTION - FX	.74	PUT SCTY	EX 08/09/2016	1	(286,834)	0
				46,560,000.000			
209270IB	FOREIGN EXCHANGE OPTION - FX	.74	PUT SCTY	EX 11/03/2016	1	(283,490)	0
				62,750,000.000			
209272IB	FOREIGN EXCHANGE OPTION - FX	.74	PUT SCTY	EX 11/03/2016	1	(31,086)	0
				7,280,000.000			
209292IB	FOREIGN EXCHANGE OPTION - FX	.76	PUT SCTY	EX 11/01/2016	1	(127,474)	0
				46,070,000.000			
JPMorgan Investor Services			J.P.Morgan				

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			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
209378IB	FOREIGN EXCHANGE OPTION - FX	.88	CALL SCTY	EX 12/01/2016	1	(287,914)	0
				48,250,000.000			
209041IB	FOREIGN EXCHANGE OPTION - FX	.99	CALL SCTY	EX 08/10/2016	1	(233,848)	0
				52,550,000.000			
205950IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT SCTY	EX 00/00/0000	1	0	0
				353,000.000			
206026IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT SCTY	EX 00/00/0000	1	0	0
				250,000.000			
206027IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT SCTY	EX 00/00/0000	1	0	0
				107,000.000			
206053IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT SCTY	EX 00/00/0000	1	0	0
				353,000.000			
206054IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT SCTY	EX 00/00/0000	1	0	0
				353,000.000			
206488IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT SCTY	EX 00/00/0000	1	0	91,886
				351,000.000			
209448IB	FOREIGN EXCHANGE OPTION - FX	1.01	PUT SCTY	EX 12/30/2016	1	(91,950)	0
				66,790,000.000			
209429IB	FOREIGN EXCHANGE OPTION - FX	1.04	PUT SCTY	EX 12/30/2016	1	(636,350)	0
				66,790,000.000			
209465IB	FOREIGN EXCHANGE OPTION - FX	1.05	PUT SCTY	EX 12/14/2016	1	(348,716)	86,819
				41,480,000.000			
208288IB	FOREIGN EXCHANGE OPTION - FX	1.06	PUT SCTY	EX 01/29/2016	1	(465,087)	117,240
				81,630,000.000			
209421IB	FOREIGN EXCHANGE OPTION - FX	1.06	PUT SCTY	EX 11/30/2016	1	(171,578)	0
				49,230,000.000			
209474IB	FOREIGN EXCHANGE OPTION - FX	1.06	PUT SCTY	EX 12/30/2016	1	(589,175)	1,728,333
				66,790,000.000			
209477IB	FOREIGN EXCHANGE OPTION - FX	1.06	PUT SCTY	EX 12/14/2016	1	(193,673)	0
				41,480,000.000			
208363IB	FOREIGN EXCHANGE OPTION - FX	1.07	PUT SCTY	EX 01/29/2016	1	(171,060)	0
				48,480,000.000			
JPMorgan Investor Services			J.P.Morgan				

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IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
208590IB	FOREIGN EXCHANGE OPTION - FX	1.07	PUT	SCTY EX 03/14/2016	1	(519,949)	0
				80,470,000.000			
208341IB	FOREIGN EXCHANGE OPTION - FX	1.08	PUT	SCTY EX 01/29/2016	1	(504,352)	0
				81,630,000.000			
208630IB	FOREIGN EXCHANGE OPTION - FX	1.08	PUT	SCTY EX 04/19/2016	1	(590,547)	0
				79,150,000.000			
209035IB	FOREIGN EXCHANGE OPTION - FX	1.08	PUT	SCTY EX 08/25/2016	1	(419,252)	81,402
				63,940,000.000			
209280IB	FOREIGN EXCHANGE OPTION - FX	1.08	PUT	SCTY EX 10/31/2016	1	(103,789)	0
				46,910,000.000			
209287IB	FOREIGN EXCHANGE OPTION - FX	1.08	PUT	SCTY EX 11/04/2016	1	(274,285)	0
				80,610,000.000			
208465IB	FOREIGN EXCHANGE OPTION - FX	1.09	PUT	SCTY EX 03/10/2016	1	(576,457)	0
				78,690,000.000			
208663IB	FOREIGN EXCHANGE OPTION - FX	1.09	PUT	SCTY EX 03/31/2016	1	(293,700)	0
				78,430,000.000			
208802IB	FOREIGN EXCHANGE OPTION - FX	1.09	PUT	SCTY EX 05/27/2016	1	(121,354)	0
				77,670,000.000			
209067IB	FOREIGN EXCHANGE OPTION - FX	1.09	PUT	SCTY EX 08/25/2016	1	(218,371)	0
				63,940,000.000			
208403IB	FOREIGN EXCHANGE OPTION - FX	1.10	PUT	SCTY EX 03/03/2016	1	(752,763)	114,230
				79,680,000.000			
208462IB	FOREIGN EXCHANGE OPTION - FX	1.10	PUT	SCTY EX 02/29/2016	1	(184,938)	0
				46,990,000.000			
208876IB	FOREIGN EXCHANGE OPTION - FX	1.10	PUT	SCTY EX 06/17/2016	1	(399,793)	0
				78,730,000.000			
209264IB	FOREIGN EXCHANGE OPTION - FX	1.10	PUT	SCTY EX 11/10/2016	1	(358,159)	0
				47,440,000.000			
209331IB	FOREIGN EXCHANGE OPTION - FX	1.10	PUT	SCTY EX 11/16/2016	1	(220,577)	0
				47,350,000.000			
208452IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT	SCTY EX 03/03/2016	1	(293,414)	0
				39,840,000.000			
JPMorgan Investor Services			J.P.Morgan				

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			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208790IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT	SCTY EX 05/27/2016	1	(612,040)	0
				77,670,000.000			
208861IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT	SCTY EX 06/09/2016	1	(381,258)	0
				78,220,000.000			
209145IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT	SCTY EX 09/23/2016	1	(248,089)	0
				46,790,000.000			
209242IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT	SCTY EX 10/14/2016	1	(137,872)	302,122
				46,820,000.000			
209244IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT	SCTY EX 10/31/2016	1	(229,259)	0
				46,910,000.000			
208794IB	FOREIGN EXCHANGE OPTION - FX	1.12	PUT	SCTY EX 05/09/2016	1	(217,436)	0
				46,250,000.000			
208845IB	FOREIGN EXCHANGE OPTION - FX	1.12	PUT	SCTY EX 05/27/2016	1	(225,970)	764,988
				77,670,000.000			
209113IB	FOREIGN EXCHANGE OPTION - FX	1.12	PUT	SCTY EX 09/01/2016	1	(91,145)	0
				46,430,000.000			
209153IB	FOREIGN EXCHANGE OPTION - FX	1.12	PUT	SCTY EX 09/15/2016	1	(129,700)	0
				46,480,000.000			
208773IB	FOREIGN EXCHANGE OPTION - FX	1.13	PUT	SCTY EX 04/29/2016	1	(362,627)	0
				46,040,000.000			
209432IB	FOREIGN EXCHANGE OPTION - FX	1.22	PUT	SCTY EX 01/19/2017	1	(586,736)	216,737
				42,840,000.000			
209073IB	FOREIGN EXCHANGE OPTION - FX	1.28	PUT	SCTY EX 08/22/2016	1	(154,403)	0
				40,470,000.000			
208782IB	FOREIGN EXCHANGE OPTION - FX	1.29	CALL	SCTY EX 05/03/2016	1	(346,104)	0
				43,700,000.000			
209047IB	FOREIGN EXCHANGE OPTION - FX	1.29	PUT	SCTY EX 08/03/2016	1	(120,284)	0
				26,740,000.000			
208744IB	FOREIGN EXCHANGE OPTION - FX	1.31	CALL	SCTY EX 04/22/2016	1	(331,737)	0
				52,490,000.000			
209109IB	FOREIGN EXCHANGE OPTION - FX	1.31	PUT	SCTY EX 09/07/2016	1	(241,554)	0
				39,630,000.000			
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208395IB	FOREIGN EXCHANGE OPTION - FX	4.08	CALL SCTY	EX 08/01/2016	1	(3,920)	1,206
208762IB	FOREIGN EXCHANGE OPTION - FX	9.20	PUT SCTY	EX 04/19/2016	1	(71,147)	0
208842IB	FOREIGN EXCHANGE OPTION - FX	9.22	PUT SCTY	EX 06/09/2016	1	(207,045)	66,606
208862IB	FOREIGN EXCHANGE OPTION - FX	9.32	PUT SCTY	EX 06/09/2016	1	(222,020)	161,080
208446IB	FOREIGN EXCHANGE OPTION - FX	9.45	PUT SCTY	EX 03/14/2016	1	(191,831)	175,690
209265IB	FOREIGN EXCHANGE OPTION - FX	9.60	PUT SCTY	EX 10/24/2016	1	(80,251)	0
208445IB	FOREIGN EXCHANGE OPTION - FX	18.48	PUT SCTY	EX 03/14/2016	1	(267,090)	306,240
208661IB	FOREIGN EXCHANGE OPTION - FX	65.00	PUT SCTY	EX 03/14/2017	1	(10,545)	12,021
208542IB	FOREIGN EXCHANGE OPTION - FX	70.30	PUT SCTY	EX 02/27/2017	1	(11,550)	21,450
208464IB	FOREIGN EXCHANGE OPTION - FX	74.00	PUT SCTY	EX 02/15/2017	1	(11,370)	23,430
209120IB	FOREIGN EXCHANGE OPTION - FX	101.50	CALL SCTY	EX 09/02/2016	1	(183,505)	0
209243IB	FOREIGN EXCHANGE OPTION - FX	102.40	CALL SCTY	EX 10/14/2016	1	(192,376)	0
209254IB	FOREIGN EXCHANGE OPTION - FX	103.50	CALL SCTY	EX 10/26/2016	1	(258,595)	0
208974IB	FOREIGN EXCHANGE OPTION - FX	103.75	CALL SCTY	EX 08/03/2016	1	(480,069)	1,337,948
209354IB	FOREIGN EXCHANGE OPTION - FX	104.30	CALL SCTY	EX 11/17/2016	1	(264,267)	976,422
208979IB	FOREIGN EXCHANGE OPTION - FX	104.50	CALL SCTY	EX 07/26/2016	1	(350,901)	1,079,925
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FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 741 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
209274IB	FOREIGN EXCHANGE OPTION - FX	104.50	CALL SCTY	EX 10/20/2016	1	(78,912)	0
			35,150,000.000				
208941IB	FOREIGN EXCHANGE OPTION - FX	105.00	CALL SCTY	EX 08/03/2016	1	(387,698)	0
			52,040,000.000				
209058IB	FOREIGN EXCHANGE OPTION - FX	105.00	CALL SCTY	EX 09/29/2016	1	(449,577)	0
			52,490,000.000				
209300IB	FOREIGN EXCHANGE OPTION - FX	105.00	CALL SCTY	EX 11/08/2016	1	(247,708)	0
			52,760,000.000				
209332IB	FOREIGN EXCHANGE OPTION - FX	105.00	CALL SCTY	EX 11/16/2016	1	(300,105)	0
			52,420,000.000				
208981IB	FOREIGN EXCHANGE OPTION - FX	105.50	CALL SCTY	EX 07/26/2016	1	(337,441)	0
			52,520,000.000				
208997IB	FOREIGN EXCHANGE OPTION - FX	105.50	CALL SCTY	EX 08/03/2016	1	(828,997)	0
			52,040,000.000				
209268IB	FOREIGN EXCHANGE OPTION - FX	105.50	CALL SCTY	EX 10/26/2016	1	(66,226)	0
			35,040,000.000				
209277IB	FOREIGN EXCHANGE OPTION - FX	106.00	CALL SCTY	EX 10/27/2016	1	(36,737)	111,962
			87,470,000.000				
209376IB	FOREIGN EXCHANGE OPTION - FX	106.50	CALL SCTY	EX 12/01/2016	1	(322,383)	2,128,776
			52,420,000.000				
208904IB	FOREIGN EXCHANGE OPTION - FX	108.00	CALL SCTY	EX 07/01/2016	1	(565,834)	0
			87,320,000.000				
209023IB	FOREIGN EXCHANGE OPTION - FX	108.00	CALL SCTY	EX 08/10/2016	1	(517,125)	0
			52,500,000.000				
208840IB	FOREIGN EXCHANGE OPTION - FX	109.50	CALL SCTY	EX 05/31/2016	1	(210,300)	0
			35,050,000.000				
208838IB	FOREIGN EXCHANGE OPTION - FX	110.00	CALL SCTY	EX 06/09/2016	1	(272,514)	0
			35,050,000.000				
209413IB	FOREIGN EXCHANGE OPTION - FX	110.00	CALL SCTY	EX 12/15/2016	1	(489,349)	1,859,262
			52,760,000.000				
208788IB	FOREIGN EXCHANGE OPTION - FX	110.50	CALL SCTY	EX 05/16/2016	1	(440,748)	0
			52,470,000.000				
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
208852IB	FOREIGN EXCHANGE OPTION - FX	111.00	CALL SCTY	EX 05/31/2016	1	(97,734)	0
			35,030,000.000				
208888IB	FOREIGN EXCHANGE OPTION - FX	111.00	CALL SCTY	EX 07/01/2016	1	(654,900)	0
			87,320,000.000				
209458IB	FOREIGN EXCHANGE OPTION - FX	111.00	PUT SCTY	EX 11/30/2016	1	(130,775)	0
			52,520,000.000				
208881IB	FOREIGN EXCHANGE OPTION - FX	111.50	CALL SCTY	EX 06/08/2016	1	(136,760)	0
			52,600,000.000				
208741IB	FOREIGN EXCHANGE OPTION - FX	113.30	CALL SCTY	EX 04/14/2016	1	(326,840)	0
			86,580,000.000				
208631IB	FOREIGN EXCHANGE OPTION - FX	113.50	CALL SCTY	EX 03/31/2016	1	(751,405)	0
			87,170,000.000				
209165IB	FOREIGN EXCHANGE OPTION - FX	116.20	CALL SCTY	EX 09/20/2016	1	(201,887)	0
			46,620,000.000				
208333IB	FOREIGN EXCHANGE OPTION - FX	119.00	CALL SCTY	EX 01/29/2016	1	(264,215)	0
			52,580,000.000				
208295IB	FOREIGN EXCHANGE OPTION - FX	119.50	CALL SCTY	EX 01/13/2016	1	(80,772)	0
			52,620,000.000				
208296IB	FOREIGN EXCHANGE OPTION - FX	119.80	CALL SCTY	EX 01/19/2016	1	(110,944)	0
			52,580,000.000				
208392IB	FOREIGN EXCHANGE OPTION - FX	122.50	CALL SCTY	EX 02/29/2016	1	(344,858)	0
			52,650,000.000				
208337IB	FOREIGN EXCHANGE OPTION - FX	173.50	CALL SCTY	EX 01/29/2016	1	(242,418)	0
			36,330,000.000				
208785IB	FOREIGN EXCHANGE OPTION - FX	1155.00	CALL SCTY	EX 05/12/2016	1	(387,660)	0
			43,680,000.000				
208670IB	FOREIGN EXCHANGE OPTION - FX	1195.00	CALL SCTY	EX 03/31/2016	1	(264,480)	0
			34,800,000.000				
588662F	ICE ACAL BRENT CRUDE FUT 02/17 @ 52(COG		EXPIRES 12/22/2016	SIZE 100,000.0		0	49,415
			48.000				
588643F	ICE ACAL BRENT CRUDE FUT 02/17 @ 56(COG7		EXPIRES 12/22/2016	SIZE 100,000.0		0	84,751
			76.000				
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
588641F	ICE ACAL BRENT CRUDE FUT 02/17 @ 57 (COG		EXPIRES 12/22/2016	SIZE	100,000.0	0	77,623
			74.000				
588562F	ICE ACAL BRENT CRUDE FUT 10/16 @ 52 (CO		EXPIRES 08/25/2016	SIZE	1,000.0	0	24,240
			30.000				
588566F	ICE ACAL BRENT CRUDE FUT 11/16 @ 53 (CO		EXPIRES 09/27/2016	SIZE	100,000.0	0	51,088
			52.000				
588595F	ICE ACAL BRENT CRUDE FUT 12/16 @ 55 (COZ		EXPIRES 10/26/2016	SIZE	1,000.0	0	20,564
			24.000				
588591F	ICE ACAL BRENT CRUDE FUT 12/16 @ 56 (COZ		EXPIRES 10/26/2016	SIZE	1,000.0	0	18,404
			24.000				
588565F	ICE ACAL BRENT CRUDE FUT 9/16 @ 54 (COU6		EXPIRES 07/26/2016	SIZE	100,000.0	0	(1,122)
			52.000				
588667F	ICE APUT BRENT CRUDE FUT 03/17 @ 40(COH7		EXPIRES 01/26/2017	SIZE	100,000.0	0	2,974
			18.000				
588576F	ICE APUT BRENT CRUDE FUT 10/16 @ 39 (C		EXPIRES 08/25/2016	SIZE	100,000.0	0	9,970
			22.000				
588372F	ICE APUT BRENT CRUDE FUT 6/16 @ 37		EXPIRES 04/26/2016	SIZE	1,000.0	0	41,301
			30.000				
209418IB	Mortgage Option	101.14	CALL SCTY	EX 12/06/2016	1	(1,250)	0
			1,000,000.000				
209419IB	Mortgage Option	101.16	CALL SCTY	EX 12/06/2016	1	(1,172)	0
			1,000,000.000				
5C5265F	SOYBEANS PUT USD 11.4 22/JUL	11.40	PUT SCTY 4098846	EX 07/22/2016	50	(21,208)	8,658
			12.000				
209112IB	SWAPTION - SOP	1.75	CALL SCTY	EX 02/23/2017	1	(294,720)	657,900
			30,700,000.000				
209374IB	SWAPTION - SOP	1.95	CALL SCTY	EX 02/23/2017	1	(262,402)	698,773
			22,325,000.000				
209045IB	SWAPTION - SOP	2.20	CALL SCTY	EX 01/13/2017	1	(208,338)	490,396
			8,700,000.000				
209275IB	SWAPTION - SOP	2.65	CALL SCTY	EX 04/13/2017	1	(265,320)	1,525,579
			30,150,000.000				
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF	PROCEEDS FROM
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			ACQUISITION	DISPOSITION
209394IB	SWAPTION - SOP	2.65	CALL SCTY	EX 01/13/2017	1	(63,677)	241,860
			8,700,000.000				
208906IB	SWAPTION - SOP	2.75	CALL SCTY	EX 12/01/2016	1	(169,785)	6,174
			30,870,000.000				
209044IB	SWAPTION - SOP	2.85	CALL SCTY	EX 01/13/2017	1	(108,965)	30,401
			34,000,000.000				
209495IB	SWAPTION - SOP	2.95	CALL SCTY	EX 04/13/2017	1	(747,106)	880,380
			30,150,000.000				
208282IB	SWAPTION - SOP	3.05	CALL SCTY	EX 06/09/2016	1	(154,759)	0
			11,920,000.000				
TOTAL PURCHASED OPTIONS						(33,264,067)	17,344,688
OTHER SECURITIES							

588607F	(COF7C 54) ICE ACAL BRENT CRUDE FUT 01/1		EXPIRES 11/25/2016	SIZE	1,000.0	0	43,065
			49.000				
LX1504250	Acadia Healthcare Inc.TLB-LX150425		0.000%	02/16/2023		(796,000)	800,097
			800,000.000				
LX1355070	Aramark Corp US Term F Loan-LX135507		SEMI-ANN.	0.000%	02/24/2021	(496,875)	498,753
			500,000.000				
CFAWASFIN	Awas Finance Lux TLB 1L-		0.000%	03/18/2018		(959,700)	965,005
			964,522.980				
CCFARIUS1	BILATERAL CASH COLLATERAL CLIENT OWNED					(320,000)	320,000
			320,000.000				
13134MBA0	Calpine Corporation TL-LX126204		SEMI-ANN.	0.000%	10/09/2019	(390,000)	398,963
			400,000.000				
208290IB	Commodity Forward		CMFWDP USD	06/01/17		0	0
			1,000.000				
208291IB	Commodity Forward		CMFWDP USD	06/01/17		0	0
			1,000.000				
208292IB	Commodity Forward		CMFWDP USD	30/09/16		0	0
			132,000.000				
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
208329IB	Commodity Forward	CMFWDP USD 31/12/16 24,000.000	0	0	
208331IB	Commodity Forward	CMFWDP USD 13/07/16 900.000	0	0	
208332IB	Commodity Forward	CMFWDP USD 13/07/16 900.000	0	0	
208383IB	Commodity Forward	CMFWDP USD 31/12/16 30,000.000	0	0	
208384IB	Commodity Forward	CMFWDP USD 30/09/16 24,000.000	0	0	
208417IB	Commodity Forward	CMFWDP USD 31/12/16 12,300.000	0	0	
208811IB	Commodity Forward	CMFWDP USD 31/12/16 18,000.000	0	0	
208812IB	Commodity Forward	CMFWDP USD 30/09/16 15,000.000	0	0	
208879IB	Commodity Forward	CMFWDP USD 30/06/16 9,600.000	0	0	
208880IB	Commodity Forward	CMFWDP USD 30/06/16 6,600.000	0	0	
208897IB	Commodity Forward	CMFWDP USD 31/12/16 9,000.000	0	0	
208919IB	Commodity Forward	CMFWDP USD 25/07/16 376,000.000	0	0	
208920IB	Commodity Forward	CMFWDP USD 26/07/16 333,000.000	0	0	
208921IB	Commodity Forward	CMFWDP USD 26/07/16 167,000.000	0	0	
208925IB	Commodity Forward	CMFWDP USD 06/01/17 3,100.000	0	0	
208926IB	Commodity Forward	CMFWDP USD 19/09/16 125.000	0	0	
JPMorgan Investor Services		J.P.Morgan			

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
208927IB	Commodity Forward	CMFWDP USD 19/09/16 125.000	0	0	
208928IB	Commodity Forward	CMFWDP USD 26/07/16 172,000.000	0	0	
208930IB	Commodity Forward	CMFWDP USD 31/03/17 15,000.000	0	0	
208931IB	Commodity Forward	CMFWDP USD 30/09/16 9,000.000	0	0	
208933IB	Commodity Forward	CMFWDP USD 31/12/16 3,000.000	0	0	
208934IB	Commodity Forward	CMFWDP USD 31/12/16 12,000.000	0	0	
208935IB	Commodity Forward	CMFWDP USD 31/12/16 3,000.000	0	0	
208936IB	Commodity Forward	CMFWDP USD 07/12/16 576,000.000	0	0	
208937IB	Commodity Forward	CMFWDP USD 05/10/16 576,000.000	0	0	
208950IB	Commodity Forward	CMFWDP USD 15/09/16 374,000.000	0	0	
208972IB	Commodity Forward	CMFWDP USD 31/03/17 3,000.000	0	0	
208973IB	Commodity Forward	CMFWDP USD 30/09/16 6,000.000	0	0	
208998IB	Commodity Forward	CMFWDP USD 31/03/17 18,000.000	0	0	
208999IB	Commodity Forward	CMFWDP USD 31/03/17 4,600.000	0	0	
209002IB	Commodity Forward	CMFWDP USD 31/12/16 10,000.000	0	0	
209003IB	Commodity Forward	CMFWDP USD 31/12/16 13,400.000	0	0	
JPMorgan Investor Services		J.P.Morgan			

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
209006IB	Commodity Forward	CMFWDP USD 07/09/16 1,819,000.000	0	0	
209007IB	Commodity Forward	CMFWDP USD 05/10/16 903,000.000	0	0	
209029IB	Commodity Forward	CMFWDP USD 14/09/16 300.000	0	0	
209030IB	Commodity Forward	CMFWDP USD 14/09/16 300.000	0	0	
209074IB	Commodity Forward	CMFWDP USD 31/12/16 6,000.000	0	0	
209148IB	Commodity Forward	CMFWDP USD 06/01/17 2,000.000	0	0	
209253IB	Commodity Forward	CMFWDP USD 31/12/17 108,000.000	0	0	
209298IB	Commodity Forward	CMFWDP USD 30/11/16 8,000.000	0	0	
209299IB	Commodity Forward	CMFWDP USD 31/12/16 336,000.000	0	0	
209309IB	Commodity Forward	CMFWDP USD 30/11/16 7,900.000	0	0	
209310IB	Commodity Forward	CMFWDP USD 30/11/16 1,800.000	0	0	
209314IB	Commodity Forward	CMFWDP USD 30/11/16 3,000.000	0	0	
209320IB	Commodity Forward	CMFWDP USD 31/12/16 6,000.000	0	0	
209321IB	Commodity Forward	CMFWDP USD 31/12/16 6,000.000	0	0	
209322IB	Commodity Forward	CMFWDP USD 31/12/16 3,000.000	0	0	
209328IB	Commodity Forward	CMFWDP USD 31/12/16 4,600.000	0	0	
JPMorgan Investor Services		J.P.Morgan			

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
209348IB	Commodity Forward	CMFWDP USD 31/12/16		0		0	
		4,700.000					
209349IB	Commodity Forward	CMFWDP USD 31/12/16		0		0	
		6,000.000					
209351IB	Commodity Forward	CMFWDP USD 31/12/16		0		0	
		2,400.000					
209386IB	Commodity Forward	CMFWDP USD 31/12/16		0		0	
		900.000					
209388IB	Commodity Forward	CMFWDP USD 30/11/16		0		0	
		900.000					
208382IB	Commodity TRS, Index	USD/USSPGCINP.CI/US TBILL_H 0.05 USD 1		0		0	
		1,653,872.660					
208394IB	Commodity TRS, Index	USD/USJMABDEWE.CI/U TBILL_H 0.3 USD 1		0		0	
		1,822,792.260					
208398IB	Commodity TRS, Index	USD/USBCOMTR.CI/NY TBILL_H 0.13 USD 1		0		0	
		771,753.910					
208434IB	Commodity TRS, Index	USD/USBCOMF3.CI/US TBILL_H 0.0 USD 1		0		0	
		21,149,067.630					
208435IB	Commodity TRS, Index	USD/USBCOMF2.CI/US TBILL_H 0.0 USD 1		0		0	
		21,072,118.870					
208492IB	Commodity TRS, Index	USD/USCVICPRD2.CI/U 0.17 0.0000 USD 1		0		0	
		21,163,079.910					
208493IB	Commodity TRS, Index	USD/USCVICPRD3.CI/U 0.17 0.0000 USD 1		0		0	
		21,202,188.330					
208494IB	Commodity TRS, Index	USD/USJMABDEWE.CI/U 0.3 0.0000 USD 1		0		0	
		4,296,517.030					
208495IB	Commodity TRS, Index	USD/USJMABFNJ1.CI/U 0.35 0.0000 USD 1		0		0	
		9,912,148.010					
208496IB	Commodity TRS, Index	USD/USSPGCINP.CI/US 0.05 0.0000 USD 1		0		0	
		2,532,490.100					
208497IB	Commodity TRS, Index	USD/USBCOMF1T.CI/NY TBILL_H 0.14 USD 1		0		0	
		10,488,548.180					
JPMorgan Investor Services			J.P.Morgan				

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			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208498IB	Commodity TRS, Index		USD/USBCOMF1T.CI/NY TBILL_H 0.14	USD 1		0	0
			4,673,243.200				
208499IB	Commodity TRS, Index		USD/USBCOMF1T.CI/NY TBILL_H 0.15	USD 1		0	0
			60,358,566.450				
208500IB	Commodity TRS, Index		USD/USBCOMTR.CI/NY TBILL_H 0.12	USD 1		0	0
			10,309,041.470				
208501IB	Commodity TRS, Index		USD/USBCOMTR.CI/NY TBILL_H 0.13	USD 1		0	0
			759,299.620				
208502IB	Commodity TRS, Index		USD/USBCOMTR.CI/NY TBILL_H 0.13	USD 1		0	0
			74,311,999.780				
208503IB	Commodity TRS, Index		USD/USJMABNICP.CI/U TBILL_H 0.12	USD 1		0	0
			9,739,438.850				
208504IB	Commodity TRS, Index		USD/USSPGCESTR.CI/N TBILL_H 0.16	USD 1		0	0
			70,837,721.770				
208505IB	Commodity TRS, Index		USD/USSPGCESTR.CI/N TBILL_H 0.17	USD 1		0	0
			31,186,020.940				
208506IB	Commodity TRS, Index		USD/USSPGCESTR.CI/N TBILL_H 0.16	USD 1		0	0
			13,461,239.010				
208507IB	Commodity TRS, Index		USD/USSPGCESTR.CI/N TBILL_H 0.16	USD 1		0	0
			50,822,490.650				
208508IB	Commodity TRS, Index		USD/USSPGCESTR.CI/N TBILL_H 0.17	USD 1		0	0
			26,233,576.440				
208760IB	Commodity TRS, Index		USD/USSPGCESP.CI/US 0 0.0	USD 3		0	0
			606,629.730				
208761IB	Commodity TRS, Index		USD/USSPGCESP.CI/US 0 0.0000	USD 2		0	0
			891,971.760				
208954IB	Commodity TRS, Index		USD/USSPGCINP.CI/US TBILL_H -0.05	USD 1		0	0
			946,702.900				
208960IB	Commodity TRS, Index		USD/USSPGCESP.CI/US 0 0.0000	USD 3		0	0
			1,014,283.610				
208961IB	Commodity TRS, Index		USD/USSPGCESP.CI/US 0 0.0000	USD 3		0	0
			689,813.990				
JPMorgan Investor Services			J.P.Morgan				

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			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
209088IB	Commodity TRS, Index		USD/USJMABNICP.CI/U TBILL_9 0.0	USD 1		0	0
			11,620,835.070				
209227IB	Commodity TRS, Index		USD/USSPGCESP.CI/US LIBOR 0.0	USD 3		0	0
			652,684.120				
209238IB	Commodity TRS, Index		USD/USSPGCESP.CI/US TBILL_9 0.0	USD 3		0	0
			959,688.820				
209239IB	Commodity TRS, Index		USD/USSPGCESP.CI/US TBILL_9 0.0	USD 3		0	0
			877,899.400				
208706IB	Commodity VARIANCE SWAP		USNGK6.S 150000 72000.00/0.06	USD 26		0	0
			150,000.000				
208716IB	Commodity VARIANCE SWAP		USNGK6.S 225000 108000.0/0.06	USD 26		0	0
			225,000.000				
208293IB	COMMODITY VARIANCE SWAP - CMVSWP		USCLUS.S 95000. 53200.00/0.08	USD 24		0	0
			95,000.000				
208294IB	COMMODITY VARIANCE SWAP - CMVSWP		USCOJ1.I 95000. 53200.00/0.08	USD 24		0	0
			95,000.000				
208283IB	CREDIT DEFAULT SWAP - CDS		MET 4.75 08Feb@1 %USD 20/DEC/2020			0	0
			1,400,000.000				
208297IB	CREDIT DEFAULT SWAP - CDS		DVN 7.95 15Apr@1 %USD 20/DEC/2020			0	0
			200,000.000				
208299IB	CREDIT DEFAULT SWAP - CDS		MET 4.75 08Feb@1 %USD 20/DEC/2020			0	0
			400,000.000				
208344IB	CREDIT DEFAULT SWAP - CDS		ENB 3.5 10Jun2@1 %USD 20/DEC/2020			0	0
			1,400,000.000				
208346IB	CREDIT DEFAULT SWAP - CDS		KINDERM 3.05 0@1 %USD 20/DEC/2020			0	0
			700,000.000				
208347IB	CREDIT DEFAULT SWAP - CDS		APC 6.95 15Jun@1 %USD 20/DEC/2020			0	0
			1,000,000.000				
208355IB	CREDIT DEFAULT SWAP - CDS		APA 7 01Feb18 @1 %USD 20/DEC/2020			0	0
			3,200,000.000				
208357IB	CREDIT DEFAULT SWAP - CDS		KINDERM 3.05 0@1 %USD 20/DEC/2020			0	0
			500,000.000				
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST		PAGE 751 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD			
			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR		PROCEEDS FROM DISPOSITION	
208360IB	CREDIT DEFAULT SWAP - CDS	APA 7 01Feb18 @1	%USD 20/DEC/2020	0	0	
		300,000.000				
208385IB	CREDIT DEFAULT SWAP - CDS	ABX 5.8 15Nov3@1	%USD 20/DEC/2020	0	0	
		450,000.000				
208401IB	CREDIT DEFAULT SWAP - CDS	APC 6.95 15Jun@1	%USD 20/DEC/2020	0	0	
		600,000.000				
208416IB	CREDIT DEFAULT SWAP - CDS	TW 2.1 01Jun19@1	%USD 20/DEC/2020	0	0	
		1,448,571.000				
208419IB	CREDIT DEFAULT SWAP - CDS	MRO 6.6 010ct3@1	%USD 20/JUN/2020	0	0	
		160,000.000				
208430IB	CREDIT DEFAULT SWAP - CDS	MET 4.75 08Feb@1	%USD 20/DEC/2020	0	0	
		400,000.000				
208432IB	CREDIT DEFAULT SWAP - CDS	TW 2.1 01Jun19@1	%USD 20/DEC/2020	0	0	
		1,100,000.000				
208450IB	CREDIT DEFAULT SWAP - CDS	PEMEX 6.625 15@1	%USD 20/DEC/2016	0	0	
		100,000.000				
208486IB	CREDIT DEFAULT SWAP - CDS	KMP 3.95 01Sep@1	%USD 20/MAR/2020	0	0	
		225,000.000				
208509IB	CREDIT DEFAULT SWAP - CDS	DVN 7.95 15Apr@1	%USD 20/DEC/2020	0	0	
		1,800,000.000				
208514IB	CREDIT DEFAULT SWAP - CDS	VW-IntFinNV 5.@1	%EUR 20/DEC/2016	0	0	
		100,000.000				
208515IB	CREDIT DEFAULT SWAP - CDS	VW-IntFinNV 5.@1	%EUR 20/DEC/2017	0	0	
		100,000.000				
208516IB	CREDIT DEFAULT SWAP - CDS	SOAF 5.5 09Mar@1	%USD 20/DEC/2017	0	0	
		100,000.000				
208517IB	CREDIT DEFAULT SWAP - CDS	RUSSIA 7.5 31M@1	%USD 20/JUN/2017	0	0	
		100,000.000				
208533IB	CREDIT DEFAULT SWAP - CDS	VIAINC 6.875 3@1	%USD 20/DEC/2020	0	0	
		2,100,000.000				
208534IB	CREDIT DEFAULT SWAP - CDS	HON 5.7 15Mar3@1	%USD 20/DEC/2020	0	0	
		975,000.000				
JPMorgan Investor Services			J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST		PAGE 752 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD			
			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR		PROCEEDS FROM DISPOSITION	
208536IB	CREDIT DEFAULT SWAP - CDS	HON 5.7 15Mar3@1	%USD 20/DEC/2020	0	0	
			325,000.000			
208538IB	CREDIT DEFAULT SWAP - CDS	RUSSIA 7.5 31M@1	%USD 20/DEC/2017	0	0	
			100,000.000			
208607IB	CREDIT DEFAULT SWAP - CDS	SOAF 5.5 09Mar@1	%USD 20/DEC/2017	0	0	
			300,000.000			
208608IB	CREDIT DEFAULT SWAP - CDS	SOAF 5.5 09Mar@1	%USD 20/DEC/2017	0	0	
			100,000.000			
208609IB	CREDIT DEFAULT SWAP - CDS	COLOM 10.375 2@1	%USD 20/DEC/2017	0	0	
			100,000.000			
208610IB	CREDIT DEFAULT SWAP - CDS	COLOM 10.375 2@1	%USD 20/DEC/2017	0	0	
			100,000.000			
208693IB	CREDIT DEFAULT SWAP - CDS	GIS 5.7 15Feb1@1	%USD 20/JUN/2021	0	0	
			3,225,000.000			
208694IB	CREDIT DEFAULT SWAP - CDS	MET 4.75 08Feb@1	%USD 20/JUN/2021	0	0	
			1,500,000.000			
208696IB	CREDIT DEFAULT SWAP - CDS	GIS 5.7 15Feb1@1	%USD 20/JUN/2021	0	0	
			1,300,000.000			
208704IB	CREDIT DEFAULT SWAP - CDS	MET 4.75 08Feb@1	%USD 20/JUN/2021	0	0	
			300,000.000			
208752IB	CREDIT DEFAULT SWAP - CDS	MET 4.75 08Feb@1	%USD 20/JUN/2021	0	0	
			1,500,000.000			
208753IB	CREDIT DEFAULT SWAP - CDS	MET 4.75 08Feb@1	%USD 20/JUN/2021	0	0	
			100,000.000			
208803IB	CREDIT DEFAULT SWAP - CDS	PRU 6.1 15Jun1@1	%USD 20/JUN/2021	0	0	
			300,000.000			
208813IB	CREDIT DEFAULT SWAP - CDS	BRK 1.55 09Feb@1	%USD 20/JUN/2021	0	0	
			5,800,000.000			
208818IB	CREDIT DEFAULT SWAP - CDS	EXC-ExelonGen @1	%USD 20/JUN/2021	0	0	
			2,000,000.000			
208863IB	CREDIT DEFAULT SWAP - CDS	PETROBI 8.375 @1	%USD 20/JUN/2019	0	0	
			500,000.000			
JPMorgan Investor Services			J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST		PAGE 753 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
		BASE CURRENCY: USD			
		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR		SHARES / PAR		PROCEEDS FROM DISPOSITION	
208877IB	CREDIT DEFAULT SWAP - CDS	DVN 7.95 15Apr@1	%USD 20/JUN/2021	0	0
		1,350,000.000			
208890IB	CREDIT DEFAULT SWAP - CDS	SPG-LP 4.375 0@1	%USD 20/JUN/2021	0	0
		2,800,000.000			
208901IB	CREDIT DEFAULT SWAP - CDS	APC 6.95 15Jun@1	%USD 20/JUN/2021	0	0
		1,100,000.000			
208939IB	CREDIT DEFAULT SWAP - CDS	GENMC (3) 3.5 @5	%USD 20/JUN/2021	0	0
		1,500,000.000			
208976IB	CREDIT DEFAULT SWAP - CDS	KINDERM 3.05 0@1	%USD 20/JUN/2021	0	0
		1,900,000.000			
209027IB	CREDIT DEFAULT SWAP - CDS	APC 6.95 15Jun@1	%USD 20/JUN/2021	0	0
		300,000.000			
209103IB	CREDIT DEFAULT SWAP - CDS	APC 6.95 15Jun@1	%USD 20/JUN/2021	0	0
		500,000.000			
209132IB	CREDIT DEFAULT SWAP - CDS	APC 6.95 15Jun@1	%USD 20/JUN/2021	0	0
		500,000.000			
209206IB	CREDIT DEFAULT SWAP - CDS	NAVIECO 5.5 25@5	%USD 20/DEC/2021	0	0
		800,000.000			
209211IB	CREDIT DEFAULT SWAP - CDS	F 6.5 01Aug18 @5	%USD 20/DEC/2021	0	0
		200,000.000			
209212IB	CREDIT DEFAULT SWAP - CDS	F 6.5 01Aug18 @5	%USD 20/DEC/2021	0	0
		600,000.000			
209214IB	CREDIT DEFAULT SWAP - CDS	F 6.5 01Aug18 @5	%USD 20/DEC/2021	0	0
		2,800,000.000			
209218IB	CREDIT DEFAULT SWAP - CDS	NAVIECO 5.5 25@5	%USD 20/DEC/2021	0	0
		500,000.000			
209222IB	CREDIT DEFAULT SWAP - CDS	VW-IntFinNV 5.@1	%EUR 20/DEC/2021	0	0
		1,000,000.000			
209305IB	CREDIT DEFAULT SWAP - CDS	NAVIECO 5.5 25@5	%USD 20/DEC/2021	0	0
		800,000.000			
209313IB	CREDIT DEFAULT SWAP - CDS	NAVIECO 5.5 25@5	%USD 20/DEC/2021	0	0
		500,000.000			
JPMorgan Investor Services		J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST		PAGE 754 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD			
			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR		PROCEEDS FROM DISPOSITION	
209343IB	CREDIT DEFAULT SWAP - CDS	APC 6.95 15Jun@1	%USD 20/JUN/2021	0	0	
		500,000.000				
208277IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		200,000.000				
208278IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		200,000.000				
208287IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		100,000.000				
208289IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.24-V@5	%USD 20/JUN/2020	0	0	
		8,850,000.000				
208300IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		200,000.000				
208335IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		400,000.000				
208336IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		400,000.000				
208343IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.25-V@1	%USD 20/DEC/2020	0	0	
		1,800,000.000				
208354IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.25-V@1	%USD 20/DEC/2020	0	0	
		2,700,000.000				
208367IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		700,000.000				
208368IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.25-V@1	%USD 20/DEC/2020	0	0	
		4,500,000.000				
208372IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.25-V@5	%USD 20/DEC/2020	0	0	
		200,000.000				
208804IB	CREDIT INDEX SWAP - CDI	iTraxx Europe @5	%EUR 20/JUN/2021	0	0	
		1,100,000.000				
208816IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
208895IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
JPMorgan Investor Services			J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST		PAGE 755 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD			
			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR		PROCEEDS FROM DISPOSITION	
208896IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
208900IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		500,000.000				
208907IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
208908IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		9,640,000.000				
208912IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
208914IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
208957IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		3,400,000.000				
208963IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208964IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208965IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208968IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208977IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208978IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208987IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
208994IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		200,000.000				
209040IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
JPMorgan Investor Services			J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST		PAGE 756 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD			
			DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR		PROCEEDS FROM DISPOSITION	
209043IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
209052IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		300,000.000				
209064IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		25,000,000.000				
209128IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		500,000.000				
209129IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		100,000.000				
209159IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		2,000,000.000				
209161IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		1,600,000.000				
209192IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.27-V@1	%USD 20/DEC/2021	0	0	
		2,100,000.000				
888549IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		38,000,000.000				
888741IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.26-V@1	%USD 20/JUN/2021	0	0	
		69,650,000.000				
888885IB	CREDIT INDEX SWAP - CDI	CDX.NA.HY.26-V@5	%USD 20/JUN/2021	0	0	
		52,560,000.000				
890887IB	CREDIT INDEX SWAP - CDI	CDX.NA.IG.27-V@1	%USD 20/DEC/2021	0	0	
		13,400,000.000				
LX1414490	Education Management Tranche B-LX141449	SEMI-ANN. 0.000% 07/02/2020		(29,555)	10,489	
		209,787.520				
LX1507830	Gray Television 1L TLC-LX150783	0.000% 06/13/2021		(1,194,123)	1,201,642	
		1,198,250.000				
LX1512360	GCA Services Group Inc TLB-LX151236	0.000% 03/01/2023		(490,000)	502,250	
		500,000.000				
LX1516540	HCA Inc TLB6-LX151654	0.000% 03/17/2023		(2,846,525)	2,869,206	
		2,853,659.000				
JPMorgan Investor Services			J.P.Morgan			

		DESCRIPTION OF INVESTMENT				COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
IDENTITY OF ISSUE, BORROWER, LESSOR		SHARES / PAR							
LX1339870	Intelsat Jackson Hldgs TrB2 TL-LX133987	0.000% 06/30/2019				(958,250)		943,000	
		1,000,000.000							
588668F	ICE ACAL BRENT CRUDE FUT 02/17 @ 53	EXPIRES 12/22/2016	SIZE	100,000.0		0	48,790		
		56.000							
588577F	ICE ACAL BRENT CRUDE FUT 11/16 @ 52.00	EXPIRES 09/27/2016	SIZE	1,000.0		0	10,013		
		16.000							
588596F	ICE ACAL BRENT CRUDE FUT 12/16 @ 51	EXPIRES 10/26/2016	SIZE	1,000.0		0	43,045		
		48.000							
588615F	ICE ACAL BRENT CRUDE FUT 12/16 @ 52	EXPIRES 10/26/2016	SIZE	100,000.0		0	6,820		
		18.000							
588614F	ICE ACAL BRENT CRUDE FUT 12/16 @ 53	EXPIRES 10/26/2016	SIZE	100,000.0		0	2,419		
		6.000							
588578F	ICE APUT BRENT CRUDE FUT 11/16 @ 40.00	EXPIRES 09/27/2016	SIZE	1,000.0		0	10,026		
		16.000							
588616F	ICE APUT BRENT CRUDE FUT 12/16 @ 42	EXPIRES 10/26/2016	SIZE	100,000.0		0	7,962		
		18.000							
588617F	ICE APUT BRENT CRUDE FUT 12/16 @ 43	EXPIRES 10/26/2016	SIZE	100,000.0		0	3,507		
		6.000							
208328IB	INTEREST RATE SWAP - IRS	2.5	/WIBOR	0.0000	PLN 16/Mar/2026		0	0	
		500,000.000							
208330IB	INTEREST RATE SWAP - IRS	1.5	/WIBOR	0.0000	PLN 16/Mar/2018		0	0	
		2,400,000.000							
208348IB	INTEREST RATE SWAP - IRS	9.5	/JIBAR	0.0000	ZAR 16/Sep/2026		0	0	
		2,300,000.000							
208349IB	INTEREST RATE SWAP - IRS	6.24	/TIIE	0.0000	MXN 01/Feb/2021		0	0	
		15,400,000.000							
208356IB	INTEREST RATE SWAP - IRS	9.5	/JIBAR	0.0000	ZAR 16/Mar/2026		0	0	
		900,000.000							
208388IB	INTEREST RATE SWAP - IRS	6.505	/TIIE	0.0000	MXN 14/Jan/2031		0	0	
		2,700,000.000							
208413IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046		0	0	
		400,000.000							

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 758 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208414IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				600,000.000			
208415IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				200,000.000			
208438IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				2,750,000.000			
208440IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	JPY 17/Jun/2035	0	0
				20,000,000.000			
208441IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	JPY 17/Jun/2035	0	0
				20,000,000.000			
208442IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	JPY 17/Jun/2035	0	0
				100,000,000.000			
208458IB	INTEREST RATE SWAP - IRS	8.5	/JIBAR	0.0000	ZAR 21/Sep/2021	0	0
				9,800,000.000			
208467IB	INTEREST RATE SWAP - IRS	5.165	/TIIE	0.0000	MXN 12/Feb/2021	0	0
				5,900,000.000			
208484IB	INTEREST RATE SWAP - IRS	5.7215	/TIIE	0.0000	MXN 13/Feb/2023	0	0
				51,000,000.000			
208519IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				5,200,000.000			
208532IB	INTEREST RATE SWAP - IRS	1	/LIBOR	0.0000	GBP 21/Sep/2021	0	0
				2,500,000.000			
208619IB	INTEREST RATE SWAP - IRS	2	/LIBOR	0.0000	GBP 16/Mar/2026	0	0
				2,100,000.000			
208635IB	INTEREST RATE SWAP - IRS	9	/JIBAR	0.0000	ZAR 21/Sep/2026	0	0
				2,500,000.000			
208641IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	GBP 21/Sep/2021	0	0
				1,900,000.000			
208642IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	GBP 21/Sep/2021	0	0
				3,700,000.000			
208644IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	GBP 21/Sep/2021	0	0
				200,000.000			
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 759 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208662IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				1,500,000.000			
208671IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	GBP 21/Sep/2026	0	0
				8,500,000.000			
208672IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				1,500,000.000			
208673IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				900,000.000			
208677IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				700,000.000			
208678IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				1,200,000.000			
208679IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				1,200,000.000			
208680IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				700,000.000			
208685IB	INTEREST RATE SWAP - IRS	8.5	/JIBAR	0.0000	ZAR 21/Sep/2021	0	0
				1,600,000.000			
208739IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				700,000.000			
208742IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 15/Jun/2046	0	0
				700,000.000			
208746IB	INTEREST RATE SWAP - IRS	2.25	/LIBOR	0.0000	USD 15/Jun/2026	0	0
				19,500,000.000			
208748IB	INTEREST RATE SWAP - IRS	2	/LIBOR	0.0000	USD 15/Jun/2023	0	0
				4,000,000.000			
208772IB	INTEREST RATE SWAP - IRS	2	/LIBOR	0.0000	USD 15/Jun/2023	0	0
				11,300,000.000			
208806IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	USD 16/Dec/2017	0	0
				20,000,000.000			
208834IB	INTEREST RATE SWAP - IRS	2	/LIBOR	0.0000	USD 15/Jun/2023	0	0
				6,800,000.000			
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 760 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208847IB	INTEREST RATE SWAP - IRS	2	/LIBOR 0.0000 USD 15/Jun/2023	1,400,000.000		0	0
208848IB	INTEREST RATE SWAP - IRS	2	/LIBOR 0.0000 USD 15/Jun/2023	1,400,000.000		0	0
208849IB	INTEREST RATE SWAP - IRS	2	/LIBOR 0.0000 USD 15/Jun/2023	1,400,000.000		0	0
208909IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2023	1,200,000.000		0	0
208911IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2023	2,900,000.000		0	0
208913IB	INTEREST RATE SWAP - IRS	2.25	/LIBOR 0.0000 USD 21/Dec/2046	3,000,000.000		0	0
208918IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2026	10,400,000.000		0	0
208923IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2026	7,800,000.000		0	0
208940IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2023	16,400,000.000		0	0
208955IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2023	11,300,000.000		0	0
208962IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2023	5,000,000.000		0	0
209014IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR 0.0000 USD 21/Dec/2021	12,900,000.000		0	0
209018IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2026	800,000.000		0	0
209025IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2026	800,000.000		0	0
209026IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR 0.0000 USD 21/Dec/2026	800,000.000		0	0
209034IB	INTEREST RATE SWAP - IRS	2.25	/LIBOR 0.0000 USD 21/Dec/2046	4,900,000.000		0	0
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 761 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
209037IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	USD 21/Dec/2021	0	0
					18,100,000.000		
209038IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR	0.0000	USD 21/Dec/2026	0	0
					900,000.000		
209039IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR	0.0000	USD 21/Dec/2026	0	0
					400,000.000		
209053IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR	0.0000	USD 21/Dec/2023	0	0
					8,700,000.000		
209054IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	JPY 21/Dec/2045	0	0
					10,000,000.000		
209062IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR	0.0000	USD 21/Dec/2026	0	0
					4,900,000.000		
209063IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR	0.0000	USD 21/Dec/2026	0	0
					4,700,000.000		
209111IB	INTEREST RATE SWAP - IRS	0.5	/LIBOR	0.0000	GBP 15/Mar/2022	0	0
					6,200,000.000		
209114IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	USD 21/Dec/2021	0	0
					300,000.000		
209115IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	USD 21/Dec/2021	0	0
					4,900,000.000		
209116IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	USD 21/Dec/2021	0	0
					2,800,000.000		
209119IB	INTEREST RATE SWAP - IRS	1.5	/LIBOR	0.0000	USD 21/Dec/2021	0	0
					2,200,000.000		
209130IB	INTEREST RATE SWAP - IRS	2.5	/LIBOR	0.0000	USD 16/Dec/2025	0	0
					3,000,000.000		
209141IB	INTEREST RATE SWAP - IRS	1.25	/LIBOR	0.0000	USD 16/Dec/2016	0	0
					42,000,000.000		
209166IB	INTEREST RATE SWAP - IRS	1.75	/LIBOR	0.0000	USD 21/Dec/2026	0	0
					2,500,000.000		
887239IB	INTEREST RATE SWAP - IRS	3.85625	/BBR	0.0000	AUD 08/Jan/2035	0	0
					23,360,000.000		
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 762 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016		
			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION		
887341IB	INTEREST RATE SWAP - IRS	6.255	/TIIE	0.0000	MXN 05/Jan/2026	0	0	
					46,694,000.000			
887342IB	INTEREST RATE SWAP - IRS	2.68212	/LIBOR	0.0000	USD 21/Mar/2046	0	0	
					5,282,000.000			
887380IB	INTEREST RATE SWAP - IRS	2.15	/LIBOR	0.0000	GBP 17/Jun/2026	0	0	
					2,060,000.000			
887708IB	INTEREST RATE SWAP - IRS	2.31575	/LIBOR	0.0000	USD 21/Mar/2046	0	0	
					3,468,000.000			
887709IB	INTEREST RATE SWAP - IRS	1.612	/LIBOR	0.0000	GBP 20/Dec/2045	0	0	
					1,926,000.000			
887710IB	INTEREST RATE SWAP - IRS	1.795	/LIBOR	0.0000	GBP 17/Jun/2026	0	0	
					2,844,000.000			
887711IB	INTEREST RATE SWAP - IRS	2.533	/LIBOR	0.0000	USD 21/Mar/2046	0	0	
					2,877,000.000			
887758IB	INTEREST RATE SWAP - IRS	1.7375	/LIBOR	0.0000	GBP 20/Dec/2045	0	0	
					2,834,000.000			
887803IB	INTEREST RATE SWAP - IRS	1.671	/LIBOR	0.0000	GBP 16/Jun/2032	0	0	
					531,000.000			
887804IB	INTEREST RATE SWAP - IRS	1.63	/LIBOR	0.0000	GBP 19/Jun/2047	0	0	
					2,959,000.000			
887854IB	INTEREST RATE SWAP - IRS	1.134	/EURIBOR	0.0000	EUR 19/Dec/2046	0	0	
					3,458,000.000			
887855IB	INTEREST RATE SWAP - IRS	2.39	/LIBOR	0.0000	USD 21/Mar/2046	0	0	
					2,875,000.000			
887856IB	INTEREST RATE SWAP - IRS	0.94	/EURIBOR	0.0000	EUR 17/Dec/2031	0	0	
					510,000.000			
887892IB	INTEREST RATE SWAP - IRS	1.188	/EURIBOR	0.0000	EUR 20/Dec/2045	0	0	
					1,470,000.000			
887895IB	INTEREST RATE SWAP - IRS	2.4825	/LIBOR	0.0000	USD 21/Mar/2046	0	0	
					3,718,000.000			
887896IB	INTEREST RATE SWAP - IRS	1.698	/LIBOR	0.0000	GBP 20/Dec/2045	0	0	
					2,767,000.000			
JPMorgan Investor Services			J.P.Morgan					

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 763 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
887897IB	INTEREST RATE SWAP - IRS	2.065	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
				2,128,000.000			
887898IB	INTEREST RATE SWAP - IRS	0.37	/EURIBOR	0.0000	EUR 16/Dec/2020	0	0
				21,551,000.000			
887899IB	INTEREST RATE SWAP - IRS	2.92	/LIBOR	0.0000	USD 20/Dec/2045	0	0
				2,613,000.000			
887900IB	INTEREST RATE SWAP - IRS	2.79	/LIBOR	0.0000	USD 17/Dec/2025	0	0
				464,000.000			
887901IB	INTEREST RATE SWAP - IRS	3.01	/LIBOR	0.0000	USD 18/Dec/2030	0	0
				2,012,000.000			
887902IB	INTEREST RATE SWAP - IRS	2.47	/LIBOR	0.0000	GBP 18/Dec/2030	0	0
				1,521,000.000			
887903IB	INTEREST RATE SWAP - IRS	2.32	/LIBOR	0.0000	GBP 17/Dec/2025	0	0
				3,267,000.000			
887905IB	INTEREST RATE SWAP - IRS	2.2	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
				357,000.000			
887906IB	INTEREST RATE SWAP - IRS	1.851	/EURIBOR	0.0000	EUR 20/Dec/2045	0	0
				1,772,000.000			
887907IB	INTEREST RATE SWAP - IRS	2.23	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
				840,000.000			
887908IB	INTEREST RATE SWAP - IRS	2.0275	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
				1,892,000.000			
887909IB	INTEREST RATE SWAP - IRS	2.0675	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
				1,237,000.000			
887910IB	INTEREST RATE SWAP - IRS	2.72	/LIBOR	0.0000	USD 19/Dec/2035	0	0
				1,693,000.000			
887911IB	INTEREST RATE SWAP - IRS	2.43	/LIBOR	0.0000	USD 17/Dec/2025	0	0
				4,451,000.000			
887912IB	INTEREST RATE SWAP - IRS	1.92	/LIBOR	0.0000	USD 16/Dec/2020	0	0
				2,778,000.000			
887913IB	INTEREST RATE SWAP - IRS	2.2995	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
				3,469,000.000			
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 764 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
887914IB	INTEREST RATE SWAP - IRS	1.84	/EURIBOR 0.0000	EUR 20/Dec/2045		0	0
			3,067,000.000				
887915IB	INTEREST RATE SWAP - IRS	2.245	/LIBOR 0.0000	GBP 20/Dec/2045		0	0
			2,571,000.000				
887925IB	INTEREST RATE SWAP - IRS	2.529	/BBR 0.0000	AUD 16/Jun/2021		0	0
			16,474,000.000				
887926IB	INTEREST RATE SWAP - IRS	0.5	/STIBOR 0.0000	SEK 16/Jun/2021		0	0
			58,435,000.000				
887982IB	INTEREST RATE SWAP - IRS	1.18	/LIBOR 0.0000	USD 31/Aug/2020		0	0
			24,160,000.000				
887993IB	INTEREST RATE SWAP - IRS	1.23	/LIBOR 0.0000	USD 31/Aug/2020		0	0
			25,590,000.000				
887998IB	INTEREST RATE SWAP - IRS	1.21	/LIBOR 0.0000	USD 31/Aug/2020		0	0
			23,810,000.000				
888065IB	INTEREST RATE SWAP - IRS	0.4225	/STIBOR 0.0000	SEK 16/Jun/2021		0	0
			50,757,000.000				
888066IB	INTEREST RATE SWAP - IRS	0.505	/STIBOR 0.0000	SEK 16/Jun/2021		0	0
			55,830,000.000				
888096IB	INTEREST RATE SWAP - IRS	2.475	/LIBOR 0.0000	USD 21/Mar/2046		0	0
			2,304,000.000				
888159IB	INTEREST RATE SWAP - IRS	1.6575	/LIBOR 0.0000	GBP 20/Dec/2045		0	0
			1,667,000.000				
888188IB	INTEREST RATE SWAP - IRS	6.045	/TIIE 0.0000	MXN 27/Jan/2026		0	0
			58,598,000.000				
888265IB	INTEREST RATE SWAP - IRS	1.073	/LIBOR 0.0000	GBP 16/Jun/2021		0	0
			2,361,000.000				
888301IB	INTEREST RATE SWAP - IRS	2.75	/LIBOR 0.0000	USD 17/Mar/2046		0	0
			10,129,500.000				
888332IB	INTEREST RATE SWAP - IRS	2.52	/LIBOR 0.0000	USD 21/Mar/2046		0	0
			1,830,000.000				
888336IB	INTEREST RATE SWAP - IRS	1.65	/LIBOR 0.0000	USD 30/Nov/2019		0	0
			28,200,000.000				
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 765 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR				
888364IB	INTEREST RATE SWAP - IRS	1.675	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
			1,917,000.000				
888386IB	INTEREST RATE SWAP - IRS	0.2625	/CIBOR	0.0000	DKK 22/Mar/2020	0	0
			37,345,000.000				
888387IB	INTEREST RATE SWAP - IRS	0.3225	/CIBOR	0.0000	DKK 27/Feb/2020	0	0
			20,515,000.000				
888388IB	INTEREST RATE SWAP - IRS	0.4075	/CIBOR	0.0000	DKK 10/Mar/2020	0	0
			20,367,000.000				
888411IB	INTEREST RATE SWAP - IRS	0.0385	/CIBOR	0.0000	DKK 25/Feb/2020	0	0
			33,404,000.000				
888520IB	INTEREST RATE SWAP - IRS	1.7	/LIBOR	0.0000	GBP 20/Dec/2045	0	0
			1,417,000.000				
888552IB	INTEREST RATE SWAP - IRS	0.2075	/CIBOR	0.0000	DKK 07/Apr/2020	0	0
			25,661,000.000				
888964IB	INTEREST RATE SWAP - IRS	1.335	/LIBOR	0.0000	USD 30/Nov/2020	0	0
			73,550,000.000				
889193IB	INTEREST RATE SWAP - IRS	2.01	/LIBOR	0.0000	USD 13/Jun/2046	0	0
			2,590,000.000				
889706IB	INTEREST RATE SWAP - IRS	1.025	/LIBOR	0.0000	USD 30/Nov/2020	0	0
			75,190,000.000				
890449IB	INTEREST RATE SWAP - IRS	1.772	/LIBOR	0.0000	USD 12/Sep/2046	0	0
			2,100,000.000				
891662IB	INTEREST RATE SWAP - IRS	1.88	/LIBOR	0.0000	USD 23/Feb/2027	0	0
			9,450,000.000				
44499494C	JPY CASH COLLATERAL					(402,666)	408,819
			43,710,000.000				
LX1507330	Keurig Green Mountain Inc.TLB-LX150733	0.000%	03/03/2023			(441,000)	450,213
			450,000.000				
LX1482530	Kraton Polymers Term Loan B-LX148253	0.000%	01/06/2022			(360,000)	379,000
			400,000.000				
LX1514900	KAR Auction Ser Inc.-LX151490	0.000%	03/09/2023			(912,924)	924,450
			922,145.000				
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 766 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016		
			BASE CURRENCY: USD					
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
LX1509140 Manitowoc Foodservice Inc-LX150914			SHARES / PAR 0.000% 03/03/2023 300,000.000			(294,000)		301,125
58404JAM0 MedAssets Term Loan-LX150436			0.000% 07/22/2022 465,000.000			(460,350)		465,000
LX1499550 Millennium Health LLC / Term Loan-LX1499			0.000% 12/21/2020 199,072.640			(138,644)		185,172
LX1505880 Northstar Asset Management Group Inc-LX1			0.000% 01/30/2023 350,000.000			(337,750)		341,705
LX1514240 NVA Holdings Inc US TLB 1L-LX151424			0.000% 08/14/2021 81,633.520			(79,593)		81,857
LX1493180 On Semiconductor Corp. TLB-LX149318			0.000% 03/31/2023 1,548,105.000			(1,524,883)		1,553,214
208345IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/16.395%	BRL 04/JAN/202	0		0
			163,831.130					
208373IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/15.96%	BRL 02/JAN/201	0		0
			2,419,895.880					
208374IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/15.445%	BRL 04/JAN/202	0		0
			306,852.070					
208375IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/15.77%	BRL 02/JAN/201	0		0
			2,655,224.140					
208376IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/15.77%	BRL 02/JAN/201	0		0
			1,363,493.480					
208615IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/14.14%	BRL 02/JAN/201	0		0
			5,425,728.330					
208616IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/14.46%	BRL 02/JAN/201	0		0
			3,421,219.360					
208891IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0		0
			13,170,721.480					
208892IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0		0
			6,146,336.690					
208893IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0		0
			8,663,407.910					
JPMorgan Investor Services			J.P.Morgan					

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208915IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0	0
			14,926,817.680				
208970IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			16,566,308.510				
208971IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0	0
			8,663,407.910				
209068IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0	0
			7,434,140.570				
209122IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			14,147,334.260				
209123IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			10,262,315.010				
209144IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			16,566,308.510				
209155IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0	0
			878,048.100				
209157IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0	0
			6,146,336.690				
209179IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			6,523,900.250				
209194IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			26,388,810.020				
209200IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.36%	BRL 04/JAN/202	0	0
			14,458,525.360				
209201IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/12.47%	BRL 02/JAN/201	0	0
			8,063,247.500				
209358IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/11.33%	BRL 02/JAN/202	0	0
			1,284,282.780				
209359IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/11.33%	BRL 02/JAN/202	0	0
			1,491,425.170				
209389IB	OVERNIGHT INDEX SWAP - OIS	CDI	+0%	/11.44%	BRL 02/JAN/201	0	0
			46,859,357.690				
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF	PROCEEDS FROM
209453IB OVERNIGHT INDEX SWAP - OIS			CDI +0% /11.38% BRL 02/JAN/202			ACQUISITION	DISPOSITION
			30,447,107.860			0	0
71579UAB1 Petco Animal Supplies Inc./PET-LX150469			0.000% 01/26/2023			(1,139,250)	1,162,733
LX1507370 Petco Animal Supplies TLB2-LX150737			1,162,500.000				
			0.000% 01/26/2023			(735,000)	748,275
72347NAP5 Pinnacle Foods Finance LLC TL I-LX150528			750,000.000				
			0.000% 01/13/2023			(199,000)	199,500
7439859A3 Prolampac Intermediate TL 1-LX146804			200,000.000				
			0.000% 08/18/2022			(982,500)	984,040
LX1318340 Rexnord LLC/RBS Global TL B-LX131834			1,000,000.000				
			0.000% 08/21/2020			(246,250)	246,750
LX1505890 Solar Winds TL-LX150589			250,000.000				
			0.000% 02/03/2023			(665,000)	692,650
LX1511940 Solera Holdings TLB1-LX151194			700,000.000				
			0.000% 03/03/2023			(669,437)	689,796
LX1508750 Staples Inc - TL-LX150875			690,141.000				
			0.000% 02/02/2022			(1,636,793)	1,654,701
208326IB Unsupported Shell Product			1,646,256.050				
			SHELL GBP 20/12/45			0	0
208327IB Unsupported Shell Product			2,128,000.000				
			SHELL AUD 16/06/21			0	0
208418IB Unsupported Shell Product			16,474,000.000				
			SHELL SEK 16/06/21			0	0
208436IB Unsupported Shell Product			58,435,000.000				
			SHELL GBP 20/12/45			0	0
208437IB Unsupported Shell Product			2,767,000.000				
			SHELL USD 21/03/46			0	0
208622IB Unsupported Shell Product			3,718,000.000				
			SHELL EUR 24/02/16			0	0
208623IB Unsupported Shell Product			4,205,000.000				
			SHELL EUR 24/02/16			0	0
			2,943,000.000				

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			BASE CURRENCY: USD					

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IDENTITY OF ISSUE, BORROWER, LESSOR FUTURES CONTRACTS -----			DESCRIPTION OF INVESTMENT SHARES / PAR			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
XMZ6COM	AUST 10Y BOND FUT BOND 15/DEC/2016 XMZ6	EXPIRES 12/15/2016	SIZE 2.000	100,000.0		0		(12,397)
XMU6COM	AUST 10Y BOND FUT BOND 15/SEP/2016 XMU6	EXPIRES 09/15/2016	SIZE 4.000	100,000.0		0		539
COM7COM	BRENT CRUDE FUTR CRUDE OIL 28/APR/2017 C	EXPIRES 04/28/2017	SIZE 175.000	1,000.0		0		(86,263)
COJ7COS	BRENT CRUDE FUTR CRUDE OIL 28/FEB/2017 C	EXPIRES 02/28/2017	SIZE 15.000	1,000.0		0		13,079
COM6COM	BRENT CRUDE FUTR CRUDE OIL 29/APR/2016 C	EXPIRES 04/29/2016	SIZE 21.000	1,000.0		0		(15,363)
COG7COM	BRENT CRUDE FUTR CRUDE OIL 29/DEC/2016 C	EXPIRES 12/29/2016	SIZE 393.000	1,000.0		0		710,538
COG7COS	BRENT CRUDE FUTR CRUDE OIL 29/DEC/2016 C	EXPIRES 12/29/2016	SIZE 2.000	1,000.0		0		(9,764)
COJ6COM	BRENT CRUDE FUTR CRUDE OIL 29/FEB/2016 C	EXPIRES 02/29/2016	SIZE 432.000	1,000.0		0		442,236
COJ6COS	BRENT CRUDE FUTR CRUDE OIL 29/FEB/2016 C	EXPIRES 02/29/2016	SIZE 24.000	1,000.0		0		64,000
COH6COS	BRENT CRUDE FUTR CRUDE OIL 29/JAN/2016 C	EXPIRES 01/29/2016	SIZE 60.000	1,000.0		0		(1,490)
COU6COS	BRENT CRUDE FUTR CRUDE OIL 29/JUL/2016 C	EXPIRES 07/29/2016	SIZE 71.000	1,000.0		0		193,801
COQ6COM	BRENT CRUDE FUTR CRUDE OIL 30/JUN/2016 C	EXPIRES 06/30/2016	SIZE 142.000	1,000.0		0		321,921
COQ6COS	BRENT CRUDE FUTR CRUDE OIL 30/JUN/2016 C	EXPIRES 06/30/2016	SIZE 1.000	1,000.0		0		(874)
COF7COM	BRENT CRUDE FUTR CRUDE OIL 30/NOV/2016 C	EXPIRES 11/30/2016	SIZE 629.000	1,000.0		0		(2,259,177)
COF7COS	BRENT CRUDE FUTR CRUDE OIL 30/NOV/2016 C	EXPIRES 11/30/2016	SIZE 36.000	1,000.0		0		(72,307)
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			BASE CURRENCY: USD					
	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT				COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
COX6COM	BRENT CRUDE FUTR CRUDE OIL 30/SEP/2016 C	EXPIRES 09/30/2016 SIZE 1,000.0	367.000			0	(297,670)	
COX6COS	BRENT CRUDE FUTR CRUDE OIL 30/SEP/2016 C	EXPIRES 09/30/2016 SIZE 1,000.0	34.000			0	(149,411)	
COV6COM	BRENT CRUDE FUTR CRUDE OIL 31/AUG/2016 C	EXPIRES 08/31/2016 SIZE 1,000.0	141.000			0	311,557	
COU8COM	BRENT CRUDE FUTR CRUDE OIL 31/JUL/2018 C	EXPIRES 07/31/2018 SIZE 1,000.0	38.000			0	2,735	
COK6COM	BRENT CRUDE FUTR CRUDE OIL 31/MAR/2016 C	EXPIRES 03/31/2016 SIZE 1,000.0	556.000			0	2,895,083	
CON6COS	BRENT CRUDE FUTR CRUDE OIL 31/MAY/2016 C	EXPIRES 05/31/2016 SIZE 1,000.0	377.000			0	(651,100)	
CON7COS	BRENT CRUDE FUTR CRUDE OIL 31/MAY/2017 C	EXPIRES 05/31/2017 SIZE 1,000.0	24.000			0	47,265	
COZ6COS	BRENT CRUDE FUTR CRUDE OIL 31/OCT/2016 C	EXPIRES 10/31/2016 SIZE 1,000.0	631.000			0	(186,504)	
COZ8COS	BRENT CRUDE FUTR FUTURE DEC18 15/NOV/201	EXPIRES 11/15/2018 SIZE 1,000.0	336.000			0	(312,809)	
CFZ6IDX	CAC 40 INDEX EQUITY INDEX 16/DEC/2016 CF	EXPIRES 12/16/2016 SIZE 10.0	160.000			0	45,964	
CFM6IDX	CAC 40 INDEX EQUITY INDEX 17/JUN/2016 CF	EXPIRES 06/17/2016 SIZE 10.0	420.000			0	179,936	
FCX6COM	CATTLE FEEDER FUT LIVESTOCK 17/NOV/2016	EXPIRES 11/17/2016 SIZE 500.0	135.000			0	(484,648)	
FCQ6COM	CATTLE FEEDER FUT LIVESTOCK 25/AUG/2016	EXPIRES 08/25/2016 SIZE 500.0	106.000			0	(415,481)	
FCF7COM	CATTLE FEEDER FUT LIVESTOCK 26/JAN/2017	EXPIRES 01/26/2017 SIZE 500.0	65.000			0	242,742	
FCK6COM	CATTLE FEEDER FUT LIVESTOCK 26/MAY/2016	EXPIRES 05/26/2016 SIZE 500.0	92.000			0	(184,943)	
FCV6COM	CATTLE FEEDER FUT LIVESTOCK 27/OCT/2016	EXPIRES 10/27/2016 SIZE 500.0	106.000			0	(496,892)	

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			BASE CURRENCY: USD				
	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
FCV6C0S	CATTLE FEEDER FUT LIVESTOCK 27/OCT/2016	EXPIRES 10/27/2016 SIZE 500.0			0	160,192	
		20.000					
FCU6COM	CATTLE FEEDER FUT LIVESTOCK 29/SEP/2016	EXPIRES 09/29/2016 SIZE 500.0			0	9,037	
		53.000					
CUAH6C0	CHICAGO ETHANOL S REFINED PRODUCTS 31/MA	EXPIRES 03/31/2016 SIZE 42,000.0			0	(5,065)	
		9.000					
CUAK6C0	CHICAGO ETHANOL S REFINED PRODUCTS 31/MA	EXPIRES 05/31/2016 SIZE 42,000.0			0	15,862	
		6.000					
CCK6C0S	COCOA FUTURE FOODSTUFF 13/MAY/2016 CCK6	EXPIRES 05/13/2016 SIZE 10.0			0	(154,830)	
		294.000					
CCZ6C0S	COCOA FUTURE FOODSTUFF 14/DEC/2016 CCZ6	EXPIRES 12/14/2016 SIZE 10.0			0	442,943	
		337.000					
CCK7COM	COCOA FUTURE FOODSTUFF 15/MAY/2017 CCK7	EXPIRES 05/15/2017 SIZE 10.0			0	(9,128)	
		10.000					
CCU6C0S	COCOA FUTURE FOODSTUFF 15/SEP/2016 CCU6	EXPIRES 09/15/2016 SIZE 10.0			0	(25,983)	
		172.000					
KCZ7COM	COFFEE 'C' FUTURE FOODSTUFF 18/DEC/2017	EXPIRES 12/18/2017 SIZE 375.0			0	(3,005)	
		1.000					
KCH6C0S	COFFEE 'C' FUTURE FOODSTUFF 18/MAR/2016	EXPIRES 03/18/2016 SIZE 375.0			0	2,694	
		1.000					
KCK6COM	COFFEE 'C' FUTURE FOODSTUFF 18/MAY/2016	EXPIRES 05/18/2016 SIZE 375.0			0	9,760	
		89.000					
KCK7COM	COFFEE 'C' FUTURE FOODSTUFF 18/MAY/2017	EXPIRES 05/18/2017 SIZE 375.0			0	226,646	
		35.000					
KCZ6COM	COFFEE 'C' FUTURE FOODSTUFF 19/DEC/2016	EXPIRES 12/19/2016 SIZE 375.0			0	849,700	
		238.000					
KCZ6C0S	COFFEE 'C' FUTURE FOODSTUFF 19/DEC/2016	EXPIRES 12/19/2016 SIZE 375.0			0	(228,180)	
		37.000					
KCN6COM	COFFEE 'C' FUTURE FOODSTUFF 19/JUL/2016	EXPIRES 07/19/2016 SIZE 375.0			0	168,359	
		80.000					
KCN6C0S	COFFEE 'C' FUTURE FOODSTUFF 19/JUL/2016	EXPIRES 07/19/2016 SIZE 375.0			0	(61,785)	
		109.000					
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			BASE CURRENCY: USD				
	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
KCU6COM	COFFEE 'C' FUTURE FOODSTUFF 20/SEP/2016	EXPIRES 09/20/2016 SIZE 84.000	375.0		0	297,566	
KCU6COS	COFFEE 'C' FUTURE FOODSTUFF 20/SEP/2016	EXPIRES 09/20/2016 SIZE 37.000	375.0		0	56,265	
KCH7COS	COFFEE 'C' FUTURE FOODSTUFF 21/MAR/2017	EXPIRES 03/21/2017 SIZE 32.000	375.0		0	(246,682)	
HGK6COM	COPPER FUTURE BASE METAL 26/MAY/2016 HGK	EXPIRES 05/26/2016 SIZE 50.000	250.0		0	216,614	
HGK6COS	COPPER FUTURE BASE METAL 26/MAY/2016 HGK	EXPIRES 05/26/2016 SIZE 154.000	250.0		0	167,587	
HGN6COS	COPPER FUTURE BASE METAL 27/JUL/2016 HGN	EXPIRES 07/27/2016 SIZE 55.000	250.0		0	99,717	
HGZ6COM	COPPER FUTURE BASE METAL 28/DEC/2016 HGZ	EXPIRES 12/28/2016 SIZE 342.000	250.0		0	664,217	
HGZ6COS	COPPER FUTURE BASE METAL 28/DEC/2016 HGZ	EXPIRES 12/28/2016 SIZE 488.000	250.0		0	(3,003,951)	
HGM7COM	COPPER FUTURE BASE METAL 28/JUN/2017 HGM	EXPIRES 06/28/2017 SIZE 1.000	250.0		0	3,645	
HGU6COS	COPPER FUTURE BASE METAL 28/SEP/2016 HGU	EXPIRES 09/28/2016 SIZE 369.000	250.0		0	(832,723)	
HGH6COM	COPPER FUTURE BASE METAL 29/MAR/2016 HGH	EXPIRES 03/29/2016 SIZE 51.000	250.0		0	(27,530)	
C0K7COM	CORN FUTURE CORN 12/MAY/2017 C K7 COMDTY	EXPIRES 05/12/2017 SIZE 29.000	50.0		0	(84,986)	
C0N7COS	CORN FUTURE CORN 14/JUL/2017 C N7 COMDTY	EXPIRES 07/14/2017 SIZE 29.000	50.0		0	81,906	
C0H6COM	CORN FUTURE CORN 14/MAR/2016 C H6 COMDTY	EXPIRES 03/14/2016 SIZE 385.000	50.0		0	134,099	
C0H7COS	CORN FUTURE CORN 14/MAR/2017 C H7 COMDTY	EXPIRES 03/14/2017 SIZE 276.000	50.0		0	(86,940)	
C0U6COS	CORN 14/SEP/2016 C U6 COMDTY	EXPIRES 09/14/2016 SIZE 1,811.000	50.0		0	5,286,665	
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
CTZ7COM	COTTON NO.2 FUTR FIBERS 06/DEC/2017 CTZ7	EXPIRES 12/06/2017	SIZE 2.000	500.0	0	(2,156)	
CTK6COS	COTTON NO.2 FUTR FIBERS 06/MAY/2016 CTK6	EXPIRES 05/06/2016	SIZE 90.000	500.0	0	(75,231)	
CTZ6COM	COTTON NO.2 FUTR FIBERS 07/DEC/2016 CTZ6	EXPIRES 12/07/2016	SIZE 476.000	500.0	0	532,941	
CTZ6COS	COTTON NO.2 FUTR FIBERS 07/DEC/2016 CTZ6	EXPIRES 12/07/2016	SIZE 205.000	500.0	0	(121,917)	
CTN6COM	COTTON NO.2 FUTR FIBERS 07/JUL/2016 CTN6	EXPIRES 07/07/2016	SIZE 206.000	500.0	0	218,510	
CTN6COS	COTTON NO.2 FUTR FIBERS 07/JUL/2016 CTN6	EXPIRES 07/07/2016	SIZE 198.000	500.0	0	(81,691)	
GXZ6IDX	DAX INDEX FUTURE EQUITY INDEX 16/DEC/201	EXPIRES 12/16/2016	SIZE 22.000	25.0	0	62,785	
GXM6IDX	DAX INDEX FUTURE EQUITY INDEX 17/JUN/201	EXPIRES 06/17/2016	SIZE 58.000	25.0	0	181,957	
VGZ6IDX	EURO STOXX 50 EQUITY INDEX 16/DEC/2016 V	EXPIRES 12/16/2016	SIZE 119.000	10.0	0	136,508	
VGM6IDX	EURO STOXX 50 EQUITY INDEX 17/JUN/2016 V	EXPIRES 06/17/2016	SIZE 203.000	10.0	0	(188,067)	
IKM6COM	EURO-BTP FUTURE BOND 08/JUN/2016 IKM6 CO	EXPIRES 06/08/2016	SIZE 36.000	100,000.0	0	11,445	
IKH6COM	EURO-BTP FUTURE BOND 08/MAR/2016 IKH6 CO	EXPIRES 03/08/2016	SIZE 36.000	100,000.0	0	124,705	
RXZ6COS	EURO-BUND FUTURE BOND 08/DEC/2016 RXZ6 C	EXPIRES 12/08/2016	SIZE 3.000	100,000.0	0	14,317	
RXM6COM	EURO-BUND FUTURE BOND 08/JUN/2016 RXM6 C	EXPIRES 06/08/2016	SIZE 26.000	100,000.0	0	(15,963)	
RXM6COS	EURO-BUND FUTURE BOND 08/JUN/2016 RXM6 C	EXPIRES 06/08/2016	SIZE 3.000	100,000.0	0	(5,086)	
RXU6COS	EURO-BUND FUTURE BOND 08/SEP/2016 RXU6 C	EXPIRES 09/08/2016	SIZE 6.000	100,000.0	0	(12,727)	

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			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION		
OATZ6CS	EURO-OAT FUTURE BOND 08/DEC/2016	OATZ6 C	EXPIRES 12/08/2016	SIZE	100,000.0	0	264,024	
			31.000					
OATM6CS	EURO-OAT FUTURE BOND 08/JUN/2016	OATM6 C	EXPIRES 06/08/2016	SIZE	100,000.0	0	(121,971)	
			62.000					
OATU6CS	EURO-OAT FUTURE BOND 08/SEP/2016	OATU6 C	EXPIRES 09/08/2016	SIZE	100,000.0	0	(172,058)	
			62.000					
Z0Z6IDX	FTSE 100 IDX FUT EQUITY INDEX 16/DEC/201		EXPIRES 12/16/2016	SIZE	10.0	0	443,497	
			172.000					
Z0M6IDX	FTSE 100 IDX FUT EQUITY INDEX 17/JUN/201		EXPIRES 06/17/2016	SIZE	10.0	0	809,392	
			504.000					
STZ6IDX	FTSE/MIB IDX FUT EQUITY INDEX 16/DEC/201		EXPIRES 12/16/2016	SIZE	5.0	0	9,116	
			9.000					
STM6IDX	FTSE/MIB IDX FUT EQUITY INDEX 17/JUN/201		EXPIRES 06/17/2016	SIZE	5.0	0	(24,357)	
			46.000					
EOJ6IDX	FUTURE AEX INDEX EQUITY INDEX 15/APR/201		EXPIRES 04/15/2016	SIZE	200.0	0	(24,739)	
			63.000					
EOZ6IDX	FUTURE AEX INDEX EQUITY INDEX 16/DEC/201		EXPIRES 12/16/2016	SIZE	200.0	0	21,514	
			11.000					
EOM6IDX	FUTURE AEX INDEX EQUITY INDEX 17/JUN/201		EXPIRES 06/17/2016	SIZE	200.0	0	(30,318)	
			24.000					
XBH7COM	GASOLINE RBOB FUT REFINED PRODUCTS 28/FE		EXPIRES 02/28/2017	SIZE	420.0	0	989,977	
			209.000					
XBK6COM	GASOLINE RBOB FUT REFINED PRODUCTS 29/AP		EXPIRES 04/29/2016	SIZE	420.0	0	732,377	
			594.000					
XBQ6COM	GASOLINE RBOB FUT REFINED PRODUCTS 29/JU		EXPIRES 07/29/2016	SIZE	420.0	0	(2,989,140)	
			423.000					
XBF7COM	GASOLINE RBOB FUT REFINED PRODUCTS 30/DE		EXPIRES 12/30/2016	SIZE	420.0	0	1,786,249	
			308.000					
XBF7COS	GASOLINE RBOB FUT REFINED PRODUCTS 30/DE		EXPIRES 12/30/2016	SIZE	420.0	0	742,030	
			183.000					
XBN6COM	GASOLINE RBOB FUT REFINED PRODUCTS 30/JU		EXPIRES 06/30/2016	SIZE	420.0	0	1,259,736	
			413.000					
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	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
XBN6COS	GASOLINE RBOB FUT REFINED PRODUCTS 30/JU	EXPIRES 06/30/2016 SIZE 420.0	0	136,484
		74.000		
XBZ6COM	GASOLINE RBOB FUT REFINED PRODUCTS 30/NO	EXPIRES 11/30/2016 SIZE 420.0	0	26,800
		388.000		
XBZ6COS	GASOLINE RBOB FUT REFINED PRODUCTS 30/NO	EXPIRES 11/30/2016 SIZE 420.0	0	(827,702)
		262.000		
XBU6COS	GASOLINE RBOB FUT REFINED PRODUCTS 31/AU	EXPIRES 08/31/2016 SIZE 420.0	0	(757,684)
		141.000		
XBJ7COS	GASOLINE RBOB FUT REFINED PRODUCTS 31/MA	EXPIRES 03/31/2017 SIZE 420.0	0	(300,786)
		67.000		
XBM6COM	GASOLINE RBOB FUT REFINED PRODUCTS 31/MA	EXPIRES 05/31/2016 SIZE 420.0	0	1,725,925
		426.000		
XBM6COS	GASOLINE RBOB FUT REFINED PRODUCTS 31/MA	EXPIRES 05/31/2016 SIZE 420.0	0	(177,035)
		83.000		
XBX6COM	GASOLINE RBOB FUT REFINED PRODUCTS 31/OC	EXPIRES 10/31/2016 SIZE 420.0	0	2,745,629
		631.000		
GCG7COM	GOLD 100 OZ FUTR PRECIOUS METAL 24/FEB/2	EXPIRES 02/24/2017 SIZE 100.0	0	(1,962,314)
		193.000		
GCJ6COS	GOLD 100 OZ FUTR PRECIOUS METAL 27/APR/2	EXPIRES 04/27/2016 SIZE 100.0	0	(1,052,880)
		79.000		
GCV6COM	GOLD 100 OZ FUTR PRECIOUS METAL 27/OCT/2	EXPIRES 10/27/2016 SIZE 100.0	0	(187,683)
		237.000		
GCV6COS	GOLD 100 OZ FUTR PRECIOUS METAL 27/OCT/2	EXPIRES 10/27/2016 SIZE 100.0	0	(476,259)
		82.000		
GCZ6COS	GOLD 100 OZ FUTR PRECIOUS METAL 28/DEC/2	EXPIRES 12/28/2016 SIZE 100.0	0	1,150,534
		283.000		
GCM6COM	GOLD 100 OZ FUTR PRECIOUS METAL 28/JUN/2	EXPIRES 06/28/2016 SIZE 100.0	0	568,109
		172.000		
GCM6COS	GOLD 100 OZ FUTR PRECIOUS METAL 28/JUN/2	EXPIRES 06/28/2016 SIZE 100.0	0	(122,325)
		129.000		
HIZ6IDX	HANG SENG IDX FUT EQUITY INDEX 29/DEC/20	EXPIRES 12/29/2016 SIZE 50.0	0	(39,553)
		9.000		

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 777 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016		
			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION		
NDH17CO	HENRY LD1 FIX FUT NATURAL GAS 24/FEB/201	EXPIRES 02/24/2017	SIZE	2,500.0		0	(78,655)	
		496.000						
NDH18CO	HENRY LD1 FIX FUT NATURAL GAS 26/FEB/201	EXPIRES 02/26/2018	SIZE	2,500.0		0	(21,819)	
		186.000						
IBJ6IDX	IBEX 35 INDX FUTR EQUITY INDEX 15/APR/20	EXPIRES 04/15/2016	SIZE	10.0		0	34,535	
		59.000						
IBZ6IDX	IBEX 35 INDX FUTR EQUITY INDEX 16/DEC/20	EXPIRES 12/16/2016	SIZE	10.0		0	11,072	
		4.000						
IBM6IDX	IBEX 35 INDX FUTR EQUITY INDEX 17/JUN/20	EXPIRES 06/17/2016	SIZE	10.0		0	(72,775)	
		24.000						
IBV6IDX	IBEX 35 INDX FUTR EQUITY INDEX 21/OCT/20	EXPIRES 10/21/2016	SIZE	10.0		0	(42,575)	
		16.000						
KWK6COM	KC HRW WHEAT FUT WHEAT 13/MAY/2016 KWK6	EXPIRES 05/13/2016	SIZE	50.0		0	33,088	
		455.000						
KWK6COS	KC HRW WHEAT FUT WHEAT 13/MAY/2016 KWK6	EXPIRES 05/13/2016	SIZE	50.0		0	77,471	
		84.000						
KWZ6COM	KC HRW WHEAT FUT WHEAT 14/DEC/2016 KWZ6	EXPIRES 12/14/2016	SIZE	50.0		0	(156,247)	
		447.000						
KWZ7COS	KC HRW WHEAT FUT WHEAT 14/DEC/2017 KWZ7	EXPIRES 12/14/2017	SIZE	50.0		0	113,410	
		160.000						
KWH6COS	KC HRW WHEAT FUT WHEAT 14/MAR/2016 KWH6	EXPIRES 03/14/2016	SIZE	50.0		0	64,722	
		85.000						
LHQ6COM	LEAN HOGS FUTURE LIVESTOCK 12/AUG/2016 L	EXPIRES 08/12/2016	SIZE	400.0		0	750,140	
		549.000						
LHQ6COS	LEAN HOGS FUTURE LIVESTOCK 12/AUG/2016 L	EXPIRES 08/12/2016	SIZE	400.0		0	141,749	
		193.000						
LHJ6COS	LEAN HOGS FUTURE LIVESTOCK 14/APR/2016 L	EXPIRES 04/14/2016	SIZE	400.0		0	(69,453)	
		197.000						
LHG7COM	LEAN HOGS FUTURE LIVESTOCK 14/FEB/2017 L	EXPIRES 02/14/2017	SIZE	400.0		0	286,625	
		64.000						
LHM6COM	LEAN HOGS FUTURE LIVESTOCK 14/JUN/2016 L	EXPIRES 06/14/2016	SIZE	400.0		0	9,142	
		107.000						
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	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
LHV6C0S	LEAN HOGS FUTURE LIVESTOCK 14/OCT/2016 L	EXPIRES 10/14/2016 SIZE 400.0	0	672,077
LHN6C0S	LEAN HOGS FUTURE LIVESTOCK 15/JUL/2016 L	EXPIRES 07/15/2016 SIZE 400.0	0	(314,350)
LHJ7C0S	LEAN HOGS FUTURE LIVESTOCK 17/APR/2017 L	EXPIRES 04/17/2017 SIZE 400.0	0	(214,468)
LCG7C0M	LIVE CATTLE FUTR LIVESTOCK 28/FEB/2017 L	EXPIRES 02/28/2017 SIZE 400.0	0	(183,235)
LCZ6C0M	LIVE CATTLE FUTR LIVESTOCK 30/DEC/2016 L	EXPIRES 12/30/2016 SIZE 400.0	0	(18,341)
LCZ6C0S	LIVE CATTLE FUTR LIVESTOCK 30/DEC/2016 L	EXPIRES 12/30/2016 SIZE 400.0	0	213,378
LCM6C0S	LIVE CATTLE FUTR LIVESTOCK 30/JUN/2016 L	EXPIRES 06/30/2016 SIZE 400.0	0	899,822
LCM7C0M	LIVE CATTLE FUTR LIVESTOCK 30/JUN/2017 L	EXPIRES 06/30/2017 SIZE 400.0	0	(26,160)
LCQ6C0S	LIVE CATTLE FUTR LIVESTOCK 31/AUG/2016 L	EXPIRES 08/31/2016 SIZE 400.0	0	475,765
LCV6C0M	LIVE CATTLE FUTR LIVESTOCK 31/OCT/2016 L	EXPIRES 10/31/2016 SIZE 400.0	0	(3,417,371)
LCV6C0S	LIVE CATTLE FUTR LIVESTOCK 31/OCT/2016 L	EXPIRES 10/31/2016 SIZE 400.0	0	(197,814)
LHZ6C0M	LIVESTOCK 14/DEC/2016 LHZ6 COMDTY	EXPIRES 12/14/2016 SIZE 400.0	0	(683,069)
LHZ6C0S	LIVESTOCK 14/DEC/2016 LHZ6 COMDTY	EXPIRES 12/14/2016 SIZE 400.0	0	449,376
LPM6C0M	LME COPPER FUTURE BASE METAL 13/JUN/2016	EXPIRES 06/13/2016 SIZE 25.0	0	577,300
LPH7C0M	LME COPPER FUTURE BASE METAL 13/MAR/2017	EXPIRES 03/13/2017 SIZE 25.0	0	207,658
LPX6C0M	LME COPPER FUTURE BASE METAL 14/NOV/2016	EXPIRES 11/14/2016 SIZE 25.0	0	502,024

	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
LPQ6COM	LME COPPER FUTURE BASE METAL 15/AUG/2016	EXPIRES 08/15/2016 SIZE 188.000	25.0	0	657,083
LPF7COM	LME COPPER FUTURE BASE METAL 16/JAN/2017	EXPIRES 01/16/2017 SIZE 127.000	25.0	0	2,457,439
LPK6COM	LME COPPER FUTURE BASE METAL 16/MAY/2016	EXPIRES 05/16/2016 SIZE 129.000	25.0	0	(70,706)
LPV6COM	LME COPPER FUTURE BASE METAL 17/OCT/2016	EXPIRES 10/17/2016 SIZE 146.000	25.0	0	(693,290)
LPN6COM	LME COPPER FUTURE BASE METAL 18/JUL/2016	EXPIRES 07/18/2016 SIZE 190.000	25.0	0	(1,053,106)
LPZ6COM	LME COPPER FUTURE BASE METAL 19/DEC/2016	EXPIRES 12/19/2016 SIZE 116.000	25.0	0	531,135
LPU6COM	LME COPPER FUTURE BASE METAL 19/SEP/2016	EXPIRES 09/19/2016 SIZE 155.000	25.0	0	242,111
LLM6COM	LME LEAD FUTURE BASE METAL 13/JUN/2016 L	EXPIRES 06/13/2016 SIZE 146.000	25.0	0	102,008
LLH7COM	LME LEAD FUTURE BASE METAL 13/MAR/2017 L	EXPIRES 03/13/2017 SIZE 23.000	25.0	0	72,647
LLX6COM	LME LEAD FUTURE BASE METAL 14/NOV/2016 L	EXPIRES 11/14/2016 SIZE 95.000	25.0	0	310,313
LLQ6COM	LME LEAD FUTURE BASE METAL 15/AUG/2016 L	EXPIRES 08/15/2016 SIZE 63.000	25.0	0	58,658
LLF7COM	LME LEAD FUTURE BASE METAL 16/JAN/2017 L	EXPIRES 01/16/2017 SIZE 81.000	25.0	0	430,583
LLK6COM	LME LEAD FUTURE BASE METAL 16/MAY/2016 L	EXPIRES 05/16/2016 SIZE 105.000	25.0	0	(231,352)
LLV6COM	LME LEAD FUTURE BASE METAL 17/OCT/2016 L	EXPIRES 10/17/2016 SIZE 104.000	25.0	0	279,643
LLN6COM	LME LEAD FUTURE BASE METAL 18/JUL/2016 L	EXPIRES 07/18/2016 SIZE 79.000	25.0	0	(72,621)
LLZ6COM	LME LEAD FUTURE BASE METAL 19/DEC/2016 L	EXPIRES 12/19/2016 SIZE 57.000	25.0	0	10,296

	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
LLU6COM	LME LEAD FUTURE BASE METAL 19/SEP/2016 L	EXPIRES 09/19/2016 SIZE 104.000	25.0	0	121,892
LNH6COM	LME NICKEL FUTURE BASE METAL 14/MAR/2016	EXPIRES 03/14/2016 SIZE 78.000	6.0	0	(163,728)
LNK6COM	LME NICKEL FUTURE BASE METAL 14/NOV/2016	EXPIRES 11/14/2016 SIZE 27.000	6.0	0	19,582
LNK6COS	LME NICKEL FUTURE BASE METAL 14/NOV/2016	EXPIRES 11/14/2016 SIZE 104.000	6.0	0	100,677
LNQ6COM	LME NICKEL FUTURE BASE METAL 15/AUG/2016	EXPIRES 08/15/2016 SIZE 54.000	6.0	0	211,789
LNF7COM	LME NICKEL FUTURE BASE METAL 16/JAN/2017	EXPIRES 01/16/2017 SIZE 15.000	6.0	0	21,193
LNF7COS	LME NICKEL FUTURE BASE METAL 16/JAN/2017	EXPIRES 01/16/2017 SIZE 110.000	6.0	0	(101,399)
LNK6COS	LME NICKEL FUTURE BASE METAL 16/MAY/2016	EXPIRES 05/16/2016 SIZE 65.000	6.0	0	(27,647)
LNV6COM	LME NICKEL FUTURE BASE METAL 17/OCT/2016	EXPIRES 10/17/2016 SIZE 55.000	6.0	0	(81,098)
LNN6COM	LME NICKEL FUTURE BASE METAL 18/JUL/2016	EXPIRES 07/18/2016 SIZE 29.000	6.0	0	58,311
LNN6COS	LME NICKEL FUTURE BASE METAL 18/JUL/2016	EXPIRES 07/18/2016 SIZE 94.000	6.0	0	(183,291)
LNZ6COM	LME NICKEL FUTURE BASE METAL 19/DEC/2016	EXPIRES 12/19/2016 SIZE 158.000	6.0	0	1,097,546
LNU6COM	LME NICKEL FUTURE BASE METAL 19/SEP/2016	EXPIRES 09/19/2016 SIZE 43.000	6.0	0	338,823
LNU6COS	LME NICKEL FUTURE BASE METAL 19/SEP/2016	EXPIRES 09/19/2016 SIZE 101.000	6.0	0	(271,489)
LAM6COM	LME PRI ALUM FUTR BASE METAL 13/JUN/2016	EXPIRES 06/13/2016 SIZE 405.000	25.0	0	422,901
LAM6COS	LME PRI ALUM FUTR BASE METAL 13/JUN/2016	EXPIRES 06/13/2016 SIZE 78.000	25.0	0	73,778

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			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT			COST OF PROCEEDS FROM		
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			ACQUISITION DISPOSITION		
LAH6COS	LME PRI ALUM FUTR BASE METAL 14/MAR/2016	EXPIRES 03/14/2016	SIZE 25.0	355.000	0	116,578		
LAX6COM	LME PRI ALUM FUTR BASE METAL 14/NOV/2016	EXPIRES 11/14/2016	SIZE 25.0	199.000	0	198,289		
LAX6COS	LME PRI ALUM FUTR BASE METAL 14/NOV/2016	EXPIRES 11/14/2016	SIZE 25.0	699.000	0	108,511		
LAQ6COM	LME PRI ALUM FUTR BASE METAL 15/AUG/2016	EXPIRES 08/15/2016	SIZE 25.0	207.000	0	510,689		
LAQ6COS	LME PRI ALUM FUTR BASE METAL 15/AUG/2016	EXPIRES 08/15/2016	SIZE 25.0	66.000	0	124,990		
LAF7COS	LME PRI ALUM FUTR BASE METAL 16/JAN/2017	EXPIRES 01/16/2017	SIZE 25.0	762.000	0	(598,517)		
LAK6COM	LME PRI ALUM FUTR BASE METAL 16/MAY/2016	EXPIRES 05/16/2016	SIZE 25.0	91.000	0	(57,701)		
LAK6COS	LME PRI ALUM FUTR BASE METAL 16/MAY/2016	EXPIRES 05/16/2016	SIZE 25.0	557.000	0	(644,483)		
LAV6COM	LME PRI ALUM FUTR BASE METAL 17/OCT/2016	EXPIRES 10/17/2016	SIZE 25.0	251.000	0	(306,514)		
LAV6COS	LME PRI ALUM FUTR BASE METAL 17/OCT/2016	EXPIRES 10/17/2016	SIZE 25.0	73.000	0	(13,016)		
LAN6COM	LME PRI ALUM FUTR BASE METAL 18/JUL/2016	EXPIRES 07/18/2016	SIZE 25.0	113.000	0	224,876		
LAN6COS	LME PRI ALUM FUTR BASE METAL 18/JUL/2016	EXPIRES 07/18/2016	SIZE 25.0	723.000	0	(1,026,132)		
LAZ6COM	LME PRI ALUM FUTR BASE METAL 19/DEC/2016	EXPIRES 12/19/2016	SIZE 25.0	410.000	0	698,395		
LAU6COM	LME PRI ALUM FUTR BASE METAL 19/SEP/2016	EXPIRES 09/19/2016	SIZE 25.0	203.000	0	208,580		
LAU6COS	LME PRI ALUM FUTR BASE METAL 19/SEP/2016	EXPIRES 09/19/2016	SIZE 25.0	625.000	0	(673,484)		
LXM6COM	LME ZINC FUTURE BASE METAL 13/JUN/2016 L	EXPIRES 06/13/2016	SIZE 25.0	87.000	0	107,814		
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	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
LXX6COM	LME ZINC FUTURE BASE METAL 14/NOV/2016 L	EXPIRES 11/14/2016 SIZE 26.000	25.0	0	63,318
LXX6COS	LME ZINC FUTURE BASE METAL 14/NOV/2016 L	EXPIRES 11/14/2016 SIZE 292.000	25.0	0	193,100
LXQ6COM	LME ZINC FUTURE BASE METAL 15/AUG/2016 L	EXPIRES 08/15/2016 SIZE 68.000	25.0	0	155,834
LXF7COM	LME ZINC FUTURE BASE METAL 16/JAN/2017 L	EXPIRES 01/16/2017 SIZE 27.000	25.0	0	40,672
LXF7COS	LME ZINC FUTURE BASE METAL 16/JAN/2017 L	EXPIRES 01/16/2017 SIZE 289.000	25.0	0	(1,725,751)
LXK6COM	LME ZINC FUTURE BASE METAL 16/MAY/2016 L	EXPIRES 05/16/2016 SIZE 66.000	25.0	0	153,090
LXK6COS	LME ZINC FUTURE BASE METAL 16/MAY/2016 L	EXPIRES 05/16/2016 SIZE 162.000	25.0	0	(208,689)
LXV6COM	LME ZINC FUTURE BASE METAL 17/OCT/2016 L	EXPIRES 10/17/2016 SIZE 82.000	25.0	0	150,426
LXN6COM	LME ZINC FUTURE BASE METAL 18/JUL/2016 L	EXPIRES 07/18/2016 SIZE 65.000	25.0	0	306,503
LXN6COS	LME ZINC FUTURE BASE METAL 18/JUL/2016 L	EXPIRES 07/18/2016 SIZE 175.000	25.0	0	(480,140)
LXZ6COM	LME ZINC FUTURE BASE METAL 19/DEC/2016 L	EXPIRES 12/19/2016 SIZE 258.000	25.0	0	2,021,640
LXU6COM	LME ZINC FUTURE BASE METAL 19/SEP/2016 L	EXPIRES 09/19/2016 SIZE 66.000	25.0	0	384,972
LXU6COS	LME ZINC FUTURE BASE METAL 19/SEP/2016 L	EXPIRES 09/19/2016 SIZE 230.000	25.0	0	(577,566)
QSG7COS	LOW SU GASOIL G REFINED PRODUCTS 10/FEB/	EXPIRES 02/10/2017 SIZE 56.000	100.0	0	(55,612)
QSH6COM	LOW SU GASOIL G REFINED PRODUCTS 10/MAR/	EXPIRES 03/10/2016 SIZE 505.000	100.0	0	(1,157,551)
QSH7COM	LOW SU GASOIL G REFINED PRODUCTS 10/MAR/	EXPIRES 03/10/2017 SIZE 45.000	100.0	0	129,887

	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
QXS6COM	LOW SU GASOIL G REFINED PRODUCTS 10/NOV/	EXPIRES 11/10/2016 SIZE 100.0	0	1,463,055
QXS6COS	LOW SU GASOIL G REFINED PRODUCTS 10/NOV/	EXPIRES 11/10/2016 SIZE 100.0	0	(77,438)
QSQ6COM	LOW SU GASOIL G REFINED PRODUCTS 11/AUG/	EXPIRES 08/11/2016 SIZE 100.0	0	(1,092,214)
QSQ6COS	LOW SU GASOIL G REFINED PRODUCTS 11/AUG/	EXPIRES 08/11/2016 SIZE 100.0	0	(268,903)
QSJ6COM	LOW SU GASOIL G REFINED PRODUCTS 12/APR/	EXPIRES 04/12/2016 SIZE 100.0	0	990,336
QSZ6COS	LOW SU GASOIL G REFINED PRODUCTS 12/DEC/	EXPIRES 12/12/2016 SIZE 100.0	0	61,324
QSF7COM	LOW SU GASOIL G REFINED PRODUCTS 12/JAN/	EXPIRES 01/12/2017 SIZE 100.0	0	2,396,252
QSF7COS	LOW SU GASOIL G REFINED PRODUCTS 12/JAN/	EXPIRES 01/12/2017 SIZE 100.0	0	(157,737)
QSN6COM	LOW SU GASOIL G REFINED PRODUCTS 12/JUL/	EXPIRES 07/12/2016 SIZE 100.0	0	2,713,436
QSN6COS	LOW SU GASOIL G REFINED PRODUCTS 12/JUL/	EXPIRES 07/12/2016 SIZE 100.0	0	(48,181)
QSK6COM	LOW SU GASOIL G REFINED PRODUCTS 12/MAY/	EXPIRES 05/12/2016 SIZE 100.0	0	(502,184)
QSK6COS	LOW SU GASOIL G REFINED PRODUCTS 12/MAY/	EXPIRES 05/12/2016 SIZE 100.0	0	(167,561)
QSV6COM	LOW SU GASOIL G REFINED PRODUCTS 12/OCT/	EXPIRES 10/12/2016 SIZE 100.0	0	2,382,358
QSV6COS	LOW SU GASOIL G REFINED PRODUCTS 12/OCT/	EXPIRES 10/12/2016 SIZE 100.0	0	128,177
QSU6COM	LOW SU GASOIL G REFINED PRODUCTS 12/SEP/	EXPIRES 09/12/2016 SIZE 100.0	0	(3,672,800)
QSU6COS	LOW SU GASOIL G REFINED PRODUCTS 12/SEP/	EXPIRES 09/12/2016 SIZE 100.0	0	39,678

	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
BAPM7C0	MT BELV PROP 5 DE REFINED PRODUCTS 30/JU	EXPIRES 06/30/2017 SIZE 42,000.0	0	325
NGK7COM	NATURAL GAS FUTR NATURAL GAS 26/APR/2017	EXPIRES 04/26/2017 SIZE 10,000.0	0	184,080
NGH18C0	NATURAL GAS FUTR NATURAL GAS 26/FEB/2018	EXPIRES 02/26/2018 SIZE 10,000.0	0	(9,624)
NGM6C0S	NATURAL GAS FUTR NATURAL GAS 26/MAY/2016	EXPIRES 05/26/2016 SIZE 10,000.0	0	35,333
NGK6COM	NATURAL GAS FUTR NATURAL GAS 27/APR/2016	EXPIRES 04/27/2016 SIZE 10,000.0	0	(829,143)
NGF8C0S	NATURAL GAS FUTR NATURAL GAS 27/DEC/2017	EXPIRES 12/27/2017 SIZE 10,000.0	0	12,640
NGG7COM	NATURAL GAS FUTR NATURAL GAS 27/JAN/2017	EXPIRES 01/27/2017 SIZE 10,000.0	0	(50,580)
NGG7C0S	NATURAL GAS FUTR NATURAL GAS 27/JAN/2017	EXPIRES 01/27/2017 SIZE 10,000.0	0	(786)
NGV7COM	NATURAL GAS FUTR NATURAL GAS 27/SEP/2017	EXPIRES 09/27/2017 SIZE 10,000.0	0	(9,420)
NGF7C0S	NATURAL GAS FUTR NATURAL GAS 28/DEC/2016	EXPIRES 12/28/2016 SIZE 10,000.0	0	2,215,744
NGN6C0S	NATURAL GAS FUTR NATURAL GAS 28/JUN/2016	EXPIRES 06/28/2016 SIZE 10,000.0	0	(143,485)
NGZ6C0S	NATURAL GAS FUTR NATURAL GAS 28/NOV/2016	EXPIRES 11/28/2016 SIZE 10,000.0	0	(475,030)
NRH18C0	NATURAL GAS SWAP NATURAL GAS 26/FEB/2018	EXPIRES 02/26/2018 SIZE 2,500.0	0	91,631
NRV6C0S	NATURAL GAS SWAP NATURAL GAS 28/SEP/2016	EXPIRES 09/28/2016 SIZE 2,500.0	0	(41)
NGH6C0S	NATURAL GAS 25/FEB/2016 NGH6 COMDTY	EXPIRES 02/25/2016 SIZE 10,000.0	0	251,303
NGQ6COM	NATURAL GAS 27/JUL/2016 NGQ6 COMDTY	EXPIRES 07/27/2016 SIZE 10,000.0	0	710,055

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			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION		
NGQ6COS	NATURAL GAS 27/JUL/2016	NGQ6 COMDTY	EXPIRES 07/27/2016	SIZE	10,000.0	0	(100,833)	
			72.000					
NGX6COM	NATURAL GAS 27/OCT/2016	NGX6 COMDTY	EXPIRES 10/27/2016	SIZE	10,000.0	0	2,651,367	
			868.000					
NGX6COS	NATURAL GAS 27/OCT/2016	NGX6 COMDTY	EXPIRES 10/27/2016	SIZE	10,000.0	0	(8,259)	
			336.000					
NGV6COM	NATURAL GAS 28/SEP/2016	NGV6 COMDTY	EXPIRES 09/28/2016	SIZE	10,000.0	0	57,747	
			560.000					
NGU6COM	NATURAL GAS 29/AUG/2016	NGU6 COMDTY	EXPIRES 08/29/2016	SIZE	10,000.0	0	884,045	
			1,204.000					
NGU6COS	NATURAL GAS 29/AUG/2016	NGU6 COMDTY	EXPIRES 08/29/2016	SIZE	10,000.0	0	(155,104)	
			70.000					
NGJ6COM	NATURAL GAS 29/MAR/2016	NGJ6 COMDTY	EXPIRES 03/29/2016	SIZE	10,000.0	0	(22,416)	
			15.000					
HOK6COM	NY HARB ULSD FUT REFINED PRODUCTS 29/APR		EXPIRES 04/29/2016	SIZE	420.0	0	203,881	
			29.000					
HOK6COS	NY HARB ULSD FUT REFINED PRODUCTS 29/APR		EXPIRES 04/29/2016	SIZE	420.0	0	84,137	
			75.000					
HOH6COS	NY HARB ULSD FUT REFINED PRODUCTS 29/FEB		EXPIRES 02/29/2016	SIZE	420.0	0	(23,257)	
			13.000					
HOQ6COM	NY HARB ULSD FUT REFINED PRODUCTS 29/JUL		EXPIRES 07/29/2016	SIZE	420.0	0	(137,328)	
			31.000					
HOQ6COS	NY HARB ULSD FUT REFINED PRODUCTS 29/JUL		EXPIRES 07/29/2016	SIZE	420.0	0	(307,277)	
			67.000					
HOF7COM	NY HARB ULSD FUT REFINED PRODUCTS 30/DEC		EXPIRES 12/30/2016	SIZE	420.0	0	51,968	
			23.000					
HOF7COS	NY HARB ULSD FUT REFINED PRODUCTS 30/DEC		EXPIRES 12/30/2016	SIZE	420.0	0	(39,708)	
			8.000					
HON6COM	NY HARB ULSD FUT REFINED PRODUCTS 30/JUN		EXPIRES 06/30/2016	SIZE	420.0	0	281,057	
			54.000					
HON6COS	NY HARB ULSD FUT REFINED PRODUCTS 30/JUN		EXPIRES 06/30/2016	SIZE	420.0	0	19,449	
			92.000					
JPMorgan Investor Services			J.P.Morgan					

	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT	COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
HOZ6C0S	NY HARB ULSD FUT REFINED PRODUCTS 30/NOV	EXPIRES 11/30/2016 SIZE 420.0	0	(73,789)
HOV6COM	NY HARB ULSD FUT REFINED PRODUCTS 30/SEP	EXPIRES 09/30/2016 SIZE 420.0	0	(116,206)
HOV6C0S	NY HARB ULSD FUT REFINED PRODUCTS 30/SEP	EXPIRES 09/30/2016 SIZE 420.0	0	(11,283)
HOU6COM	NY HARB ULSD FUT REFINED PRODUCTS 31/AUG	EXPIRES 08/31/2016 SIZE 420.0	0	98,289
HOU6C0S	NY HARB ULSD FUT REFINED PRODUCTS 31/AUG	EXPIRES 08/31/2016 SIZE 420.0	0	515,738
HOG7C0S	NY HARB ULSD FUT REFINED PRODUCTS 31/JAN	EXPIRES 01/31/2017 SIZE 420.0	0	49,790
HOJ6COM	NY HARB ULSD FUT REFINED PRODUCTS 31/MAR	EXPIRES 03/31/2016 SIZE 420.0	0	(89,581)
HOM6COM	NY HARB ULSD FUT REFINED PRODUCTS 31/MAY	EXPIRES 05/31/2016 SIZE 420.0	0	134,328
HOX6C0S	NY HARB ULSD FUT REFINED PRODUCTS 31/OCT	EXPIRES 10/31/2016 SIZE 420.0	0	(765,186)
QCJ6IDX	OMXS30 IND FUTURE EQUITY INDEX 15/APR/20	EXPIRES 04/15/2016 SIZE 100.0	0	17,024
QCZ6IDX	OMXS30 IND FUTURE EQUITY INDEX 16/DEC/20	EXPIRES 12/16/2016 SIZE 100.0	0	38,664
QCM6IDX	OMXS30 IND FUTURE EQUITY INDEX 17/JUN/20	EXPIRES 06/17/2016 SIZE 100.0	0	83,288
PLF7COM	PLATINUM FUTURE PRECIOUS METAL 27/JAN/20	EXPIRES 01/27/2017 SIZE 50.0	0	(1,583,187)
PLN6COM	PLATINUM FUTURE PRECIOUS METAL 27/JUL/20	EXPIRES 07/27/2016 SIZE 50.0	0	273,122
PLV6COM	PLATINUM FUTURE PRECIOUS METAL 27/OCT/20	EXPIRES 10/27/2016 SIZE 50.0	0	458,101
GCQ6COM	PRECIOUS METAL 29/AUG/2016 GCQ6 COMDTY	EXPIRES 08/29/2016 SIZE 100.0	0	1,482,337

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 787 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016		
			BASE CURRENCY: USD					
	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT				COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
GCQ6COS	PRECIOUS METAL 29/AUG/2016 GCQ6 COMDTY	EXPIRES 08/29/2016 SIZE 100.0	82.000			0	(46,306)	
MWZ6COM	RED WHEAT FUT MGE WHEAT 14/DEC/2016 MWZ6	EXPIRES 12/14/2016 SIZE 50.0	45.000			0	(48,846)	
MWN6COM	RED WHEAT FUT MGE WHEAT 14/JUL/2016 MWN6	EXPIRES 07/14/2016 SIZE 50.0	53.000			0	(34,890)	
MWH7COS	RED WHEAT FUT MGE WHEAT 14/MAR/2017 MWH7	EXPIRES 03/14/2017 SIZE 50.0	20.000			0	4,840	
XBV6COM	REFINED PRODUCTS 30/SEP/2016 XBV6 COMDTY	EXPIRES 09/30/2016 SIZE 420.0	819.000			0	1,927,564	
FAZ6IDX	S&P MID 400 EMINI EQUITY INDEX 16/DEC/20	EXPIRES 12/16/2016 SIZE 100.0	10.000			0	162,540	
FAU6IDX	S&P MID 400 EMINI EQUITY INDEX 16/SEP/20	EXPIRES 09/16/2016 SIZE 100.0	20.000			0	32,230	
PTZ6IDX	S&P/TSX 60 IX FUT EQUITY INDEX 15/DEC/20	EXPIRES 12/15/2016 SIZE 200.0	74.000			0	436,244	
PTU6IDX	S&P/TSX 60 IX FUT EQUITY INDEX 15/SEP/20	EXPIRES 09/15/2016 SIZE 200.0	96.000			0	412,228	
PTM6IDX	S&P/TSX 60 IX FUT EQUITY INDEX 16/JUN/20	EXPIRES 06/16/2016 SIZE 200.0	204.000			0	537,854	
ESZ6IDX	S&P500 EMINI FUT EQUITY INDEX 16/DEC/201	EXPIRES 12/16/2016 SIZE 50.0	115.000			0	451,853	
ESU6IDX	S&P500 EMINI FUT EQUITY INDEX 16/SEP/201	EXPIRES 09/16/2016 SIZE 50.0	545.000			0	549,954	
ESM6IDX	S&P500 EMINI FUT EQUITY INDEX 17/JUN/201	EXPIRES 06/17/2016 SIZE 50.0	2,530.000			0	7,862,014	
SIK6COM	SILVER FUTURE PRECIOUS METAL 26/MAY/2016	EXPIRES 05/26/2016 SIZE 5,000.0	201.000			0	740,583	
SIN6COM	SILVER FUTURE PRECIOUS METAL 27/JUL/2016	EXPIRES 07/27/2016 SIZE 5,000.0	190.000			0	1,054,074	
SIN6COS	SILVER FUTURE PRECIOUS METAL 27/JUL/2016	EXPIRES 07/27/2016 SIZE 5,000.0	12.000			0	(6,918)	

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 788 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				

	IDENTITY OF ISSUE, BORROWER, LESSOR	DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
S0X7COM	SOYBEAN FUTURE SOY 14/NOV/2017 S X7 COMD	EXPIRES 11/14/2017	SIZE 203.000	50.0	0 (155,469)
SMF7C0S	SOYBEAN MEAL FUTR SOY 13/JAN/2017 SMF7 C	EXPIRES 01/13/2017	SIZE 248.000	100.0	0 (389,228)
SMK6C0S	SOYBEAN MEAL FUTR SOY 13/MAY/2016 SMK6 C	EXPIRES 05/13/2016	SIZE 180.000	100.0	0 (169,116)
SMZ6COM	SOYBEAN MEAL FUTR SOY 14/DEC/2016 SMZ6 C	EXPIRES 12/14/2016	SIZE 75.000	100.0	0 380,560
SMZ6C0S	SOYBEAN MEAL FUTR SOY 14/DEC/2016 SMZ6 C	EXPIRES 12/14/2016	SIZE 331.000	100.0	0 2,318,837
SMN6C0S	SOYBEAN MEAL FUTR SOY 14/JUL/2016 SMN6 C	EXPIRES 07/14/2016	SIZE 405.000	100.0	0 (2,694,887)
SMH6COM	SOYBEAN MEAL FUTR SOY 14/MAR/2016 SMH6 C	EXPIRES 03/14/2016	SIZE 119.000	100.0	0 (72,374)
SMV6C0S	SOYBEAN MEAL FUTR SOY 14/OCT/2016 SMV6 C	EXPIRES 10/14/2016	SIZE 57.000	100.0	0 181,649
BOK7COM	SOYBEAN OIL FUTR SOY 12/MAY/2017 BOK7 CO	EXPIRES 05/12/2017	SIZE 19.000	600.0	0 25,145
BOF7COM	SOYBEAN OIL FUTR SOY 13/JAN/2017 BOF7 CO	EXPIRES 01/13/2017	SIZE 163.000	600.0	0 31,687
BOF7C0S	SOYBEAN OIL FUTR SOY 13/JAN/2017 BOF7 CO	EXPIRES 01/13/2017	SIZE 548.000	600.0	0 (1,035,571)
BOK6COM	SOYBEAN OIL FUTR SOY 13/MAY/2016 BOK6 CO	EXPIRES 05/13/2016	SIZE 1.000	600.0	0 96
BOZ6C0S	SOYBEAN OIL FUTR SOY 14/DEC/2016 BOZ6 CO	EXPIRES 12/14/2016	SIZE 570.000	600.0	0 (123,609)
BON6C0S	SOYBEAN OIL FUTR SOY 14/JUL/2016 BON6 CO	EXPIRES 07/14/2016	SIZE 267.000	600.0	0 228,890
XPZ6IDX	SPI 200 FUTURES EQUITY INDEX 15/DEC/2016	EXPIRES 12/15/2016	SIZE 56.000	25.0	0 35,745
XPM6IDX	SPI 200 FUTURES EQUITY INDEX 16/JUN/2016	EXPIRES 06/16/2016	SIZE 143.000	25.0	0 88,089

		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
	IDENTITY OF ISSUE, BORROWER, LESSOR	SHARES / PAR					
SBK7COM	SUGAR #11 (WORLD) FOODSTUFF 28/APR/2017	EXPIRES 04/28/2017	SIZE 1,120.0	0	(10,594)		
			23.000				
SBK6COS	SUGAR #11 (WORLD) FOODSTUFF 29/APR/2016	EXPIRES 04/29/2016	SIZE 1,120.0	0	(1,000,661)		
			1,454.000				
SBV7COM	SUGAR #11 (WORLD) FOODSTUFF 29/SEP/2017	EXPIRES 09/29/2017	SIZE 1,120.0	0	(455)		
			2.000				
SBN6COS	SUGAR #11 (WORLD) FOODSTUFF 30/JUN/2016	EXPIRES 06/30/2016	SIZE 1,120.0	0	(2,699,350)		
			839.000				
SBV6COS	SUGAR #11 (WORLD) FOODSTUFF 30/SEP/2016	EXPIRES 09/30/2016	SIZE 1,120.0	0	(104,573)		
			1,162.000				
TPZ6IDX	TOPIX INDX FUTR EQUITY INDEX 08/DEC/2016	EXPIRES 12/08/2016	SIZE 10,000.0	0	1,128,145		
			139.000				
TPU6IDX	TOPIX INDX FUTR EQUITY INDEX 08/SEP/2016	EXPIRES 09/08/2016	SIZE 10,000.0	0	(155,897)		
			136.000				
TPM6IDX	TOPIX INDX FUTR EQUITY INDEX 09/JUN/2016	EXPIRES 06/09/2016	SIZE 10,000.0	0	(253,212)		
			367.000				
USZ6COM	US LONG BOND(CBT) BOND 20/DEC/2016 USZ6	EXPIRES 12/20/2016	SIZE 100,000.0	0	(22,058,234)		
			2,225.000				
USZ6COS	US LONG BOND(CBT) BOND 20/DEC/2016 USZ6	EXPIRES 12/20/2016	SIZE 100,000.0	0	3,543,932		
			490.000				
USM6COM	US LONG BOND(CBT) BOND 21/JUN/2016 USM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	(962,202)		
			1,874.000				
USM6COS	US LONG BOND(CBT) BOND 21/JUN/2016 USM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	305,506		
			1,026.000				
USU6COM	US LONG BOND(CBT) BOND 21/SEP/2016	EXPIRES 09/21/2016	SIZE 100,000.0	0	10,268,094		
			2,085.000				
USU6COS	US LONG BOND(CBT) BOND 21/SEP/2016	EXPIRES 09/21/2016	SIZE 100,000.0	0	(2,342,773)		
			621.000				
WNZ6COM	US ULTRA BOND CBT BOND 20/DEC/2016 WNZ6	EXPIRES 12/20/2016	SIZE 100,000.0	0	(18,719,772)		
			1,201.000				
WNZ6COS	US ULTRA BOND CBT BOND 20/DEC/2016 WNZ6	EXPIRES 12/20/2016	SIZE 100,000.0	0	25,729,194		
			2,258.000				

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
WNM6COM	US ULTRA BOND CBT BOND 21/JUN/2016 WNM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	(1,193,239)
			1,391.000		
WNM6COS	US ULTRA BOND CBT BOND 21/JUN/2016 WNM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	871,174
			1,851.000		
WNU6COM	US ULTRA BOND CBT BOND 21/SEP/2016 WNU6	EXPIRES 09/21/2016	SIZE 100,000.0	0	8,887,849
			1,249.000		
WNU6COS	US ULTRA BOND CBT BOND 21/SEP/2016 WNU6	EXPIRES 09/21/2016	SIZE 100,000.0	0	(12,288,460)
			1,841.000		
TYZ6COM	US 10YR NOTE (CBT)DEC16 BOND 20/DEC/201	EXPIRES 12/20/2016	SIZE 100,000.0	0	(5,628,303)
			3,285.000		
TYZ6COS	US 10YR NOTE (CBT)DEC16 BOND 20/DEC/201	EXPIRES 12/20/2016	SIZE 100,000.0	0	23,136,967
			7,151.000		
TYM6COM	US 10YR NOTE (CBT) BOND 21/JUN/2016 TYM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	(3,092,369)
			4,837.000		
TYM6COS	US 10YR NOTE (CBT) BOND 21/JUN/2016 TYM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	2,146,628
			7,705.000		
TYU6COM	US 10YR NOTE (CBT) BOND 21/SEP/2016 TYU6	EXPIRES 09/21/2016	SIZE 100,000.0	0	5,383,210
			3,018.000		
TYU6COS	US 10YR NOTE (CBT) BOND 21/SEP/2016 TYU6	EXPIRES 09/21/2016	SIZE 100,000.0	0	(6,471,299)
			6,147.000		
UXYZ6CO	US 10YR ULTRA FUT BOND 20/DEC/2016 UXYZ6	EXPIRES 12/20/2016	SIZE 100,000.0	0	(1,957,332)
			660.000		
UXYZ6CS	US 10YR ULTRA FUT BOND 20/DEC/2016 UXYZ6	EXPIRES 12/20/2016	SIZE 100,000.0	0	7,637,065
			1,318.000		
UXYM6CS	US 10YR ULTRA FUT BOND 21/JUN/2016 UXYM6	EXPIRES 06/21/2016	SIZE 100,000.0	0	298,149
			454.000		
UXYU6CO	US 10YR ULTRA FUT BOND 21/SEP/2016 UXYU6	EXPIRES 09/21/2016	SIZE 100,000.0	0	(109,051)
			68.000		
UXYU6CS	US 10YR ULTRA FUT BOND 21/SEP/2016 UXYU6	EXPIRES 09/21/2016	SIZE 100,000.0	0	(1,395,660)
			574.000		
TUZ6COM	US 2YR NOTE (CBT) BOND 30/DEC/2016 TUZ6	EXPIRES 12/30/2016	SIZE 200,000.0	0	(743,929)
			2,146.000		

IDENTITY OF ISSUE, BORROWER, LESSOR				DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
				SHARES / PAR					
TUZ6C0S	US 2YR NOTE (CBT) BOND	30/DEC/2016	TUZ6	EXPIRES 12/30/2016	SIZE	200,000.0	0	74,051	
						438.000			
TUM6COM	US 2YR NOTE (CBT) BOND	30/JUN/2016	TUM6	EXPIRES 06/30/2016	SIZE	200,000.0	0	(907,617)	
						2,139.000			
TUM6C0S	US 2YR NOTE (CBT) BOND	30/JUN/2016	TUM6	EXPIRES 06/30/2016	SIZE	200,000.0	0	181,029	
						493.000			
TUU6COM	US 2YR NOTE (CBT) BOND	30/SEP/2016	TUU6	EXPIRES 09/30/2016	SIZE	200,000.0	0	1,221,336	
						1,852.000			
TUU6C0S	US 2YR NOTE (CBT) BOND	30/SEP/2016	TUU6	EXPIRES 09/30/2016	SIZE	200,000.0	0	(144,913)	
						426.000			
FVZ6COM	US 5YR NOTE (CBT) BOND	30/DEC/2016	FVZ6	EXPIRES 12/30/2016	SIZE	100,000.0	0	(4,736,665)	
						4,355.000			
FVZ6C0S	US 5YR NOTE (CBT) BOND	30/DEC/2016	FVZ6	EXPIRES 12/30/2016	SIZE	100,000.0	0	1,683,420	
						1,943.000			
FVM6COM	US 5YR NOTE (CBT) BOND	30/JUN/2016	FVM6	EXPIRES 06/30/2016	SIZE	100,000.0	0	(2,777,917)	
						5,241.000			
FVM6C0S	US 5YR NOTE (CBT) BOND	30/JUN/2016	FVM6	EXPIRES 06/30/2016	SIZE	100,000.0	0	4,131,743	
						4,383.000			
FVU6COM	US 5YR NOTE (CBT) BOND	30/SEP/2016	FVU6	EXPIRES 09/30/2016	SIZE	100,000.0	0	4,167,188	
						4,045.000			
FVU6C0S	US 5YR NOTE (CBT) BOND	30/SEP/2016	FVU6	EXPIRES 09/30/2016	SIZE	100,000.0	0	(1,770,807)	
						3,020.000			
W0Z6C0S	WHEAT FUTURE(CBT) WHEAT	14/DEC/2016	W Z6	EXPIRES 12/14/2016	SIZE	50.0	0	397,147	
						299.000			
W0N6COM	WHEAT FUTURE(CBT) WHEAT	14/JUL/2016	W N6	EXPIRES 07/14/2016	SIZE	50.0	0	114,683	
						225.000			
W0H7COM	WHEAT FUTURE(CBT) WHEAT	14/MAR/2017	W H7	EXPIRES 03/14/2017	SIZE	50.0	0	(8,447)	
						37.000			
KWU6COM	WHEAT FUTURE(KCB) WHEAT	14/SEP/2016	KWU6	EXPIRES 09/14/2016	SIZE	50.0	0	(1,258,769)	
						425.000			
KWU6C0S	WHEAT FUTURE(KCB) WHEAT	14/SEP/2016	KWU6	EXPIRES 09/14/2016	SIZE	50.0	0	(730)	
						3.000			

IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
		SHARES / PAR					
W0U6COS	WHEAT 14/SEP/2016 W U6 COMDTY	EXPIRES 09/14/2016	SIZE 279.000	50.0	0	395,803	
QWQ6COM	WHITE SUGAR (ICE) FOODSTUFF 15/JUL/2016	EXPIRES 07/15/2016	SIZE 421.000	50.0	0	1,669,304	
QWV6COM	WHITE SUGAR (ICE) FOODSTUFF 15/SEP/2016	EXPIRES 09/15/2016	SIZE 195.000	50.0	0	8,512	
ENZ7COM	WTI CRUDE FUTURE CRUDE OIL 17/NOV/2017 E	EXPIRES 11/17/2017	SIZE 153.000	1,000.0	0	225,230	
ENJ6COM	WTI CRUDE FUTURE CRUDE OIL 18/MAR/2016 E	EXPIRES 03/18/2016	SIZE 12.000	1,000.0	0	6,948	
ENJ6COS	WTI CRUDE FUTURE CRUDE OIL 18/MAR/2016 E	EXPIRES 03/18/2016	SIZE 266.000	1,000.0	0	162,757	
ENZ6COS	WTI CRUDE FUTURE CRUDE OIL 18/NOV/2016 E	EXPIRES 11/18/2016	SIZE 43.000	1,000.0	0	30,110	
ENK6COS	WTI CRUDE FUTURE CRUDE OIL 19/APR/2016 E	EXPIRES 04/19/2016	SIZE 166.000	1,000.0	0	(85,786)	
ENU6COS	WTI CRUDE FUTURE CRUDE OIL 19/AUG/2016 E	EXPIRES 08/19/2016	SIZE 269.000	1,000.0	0	(891,152)	
ENM7COM	WTI CRUDE FUTURE CRUDE OIL 19/MAY/2017 E	EXPIRES 05/19/2017	SIZE 373.000	1,000.0	0	987,038	
CLK6COM	WTI CRUDE FUTURE CRUDE OIL 20/APR/2016 C	EXPIRES 04/20/2016	SIZE 353.000	1,000.0	0	965,285	
CLF7COM	WTI CRUDE FUTURE CRUDE OIL 20/DEC/2016 C	EXPIRES 12/20/2016	SIZE 749.000	1,000.0	0	1,443,498	
CLF7COS	WTI CRUDE FUTURE CRUDE OIL 20/DEC/2016 C	EXPIRES 12/20/2016	SIZE 205.000	1,000.0	0	9,917	
CLG7COS	WTI CRUDE FUTURE CRUDE OIL 20/JAN/2017 C	EXPIRES 01/20/2017	SIZE 27.000	1,000.0	0	(116,457)	
CLQ6COM	WTI CRUDE FUTURE CRUDE OIL 20/JUL/2016 C	EXPIRES 07/20/2016	SIZE 16.000	1,000.0	0	14,210	
CLQ6COS	WTI CRUDE FUTURE CRUDE OIL 20/JUL/2016 C	EXPIRES 07/20/2016	SIZE 24.000	1,000.0	0	(89,673)	

IDENTITY OF ISSUE, BORROWER, LESSOR							DESCRIPTION OF INVESTMENT			COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
ENNCOS	WTI	CRUDE	FUTURE	CRUDE	OIL	20/JUN/2016 E	EXPIRES	06/20/2016	SIZE	1,000.0	0	55,640	
									29.000				
CLX6COM	WTI	CRUDE	FUTURE	CRUDE	OIL	20/OCT/2016 C	EXPIRES	10/20/2016	SIZE	1,000.0	0	204,715	
									239.000				
CLX6COS	WTI	CRUDE	FUTURE	CRUDE	OIL	20/OCT/2016 C	EXPIRES	10/20/2016	SIZE	1,000.0	0	(531,554)	
									545.000				
CLV6COM	WTI	CRUDE	FUTURE	CRUDE	OIL	20/SEP/2016 C	EXPIRES	09/20/2016	SIZE	1,000.0	0	(89,992)	
									105.000				
CLV6COS	WTI	CRUDE	FUTURE	CRUDE	OIL	20/SEP/2016 C	EXPIRES	09/20/2016	SIZE	1,000.0	0	6,442	
									5.000				
CLH7COS	WTI	CRUDE	FUTURE	CRUDE	OIL	21/FEB/2017 C	EXPIRES	02/21/2017	SIZE	1,000.0	0	76,371	
									49.000				
CLN6COM	WTI	CRUDE	FUTURE	CRUDE	OIL	21/JUN/2016 C	EXPIRES	06/21/2016	SIZE	1,000.0	0	449,127	
									149.000				
CLN6COS	WTI	CRUDE	FUTURE	CRUDE	OIL	21/JUN/2016 C	EXPIRES	06/21/2016	SIZE	1,000.0	0	(120,740)	
									49.000				
CLJ6COM	WTI	CRUDE	FUTURE	CRUDE	OIL	21/MAR/2016 C	EXPIRES	03/21/2016	SIZE	1,000.0	0	(629)	
									9.000				
CLJ7COS	WTI	CRUDE	FUTURE	CRUDE	OIL	21/MAR/2017 C	EXPIRES	03/21/2017	SIZE	1,000.0	0	(82,363)	
									13.000				
CLU6COS	WTI	CRUDE	FUTURE	CRUDE	OIL	22/AUG/2016 C	EXPIRES	08/22/2016	SIZE	1,000.0	0	(287,179)	
									345.000				
EDH8COS	90DAY	EURO\$	FUTR	INTEREST	RATE	19/MAR/20	EXPIRES	03/19/2018	SIZE	2,500.0	0	(28,397)	
									142.000				
TOTAL FUTURES CONTRACTS											0	51,301,646	

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR WRITTEN OPTIONS -----			DESCRIPTION OF INVESTMENT SHARES / PAR			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
208951IB	Commodity Option Index	.70	CALL SCTY	EX 09/16/2016	1	6,712	0
				1,650,000.000			
208874IB	Commodity Option Index	.73	CALL SCTY	EX 08/04/2016	1	19,941	0
				5,110,000.000			
208867IB	Commodity Option Index	.76	CALL SCTY	EX 08/18/2016	1	13,944	0
				3,500,000.000			
208412IB	Commodity Option Index	.83	CALL SCTY	EX 05/03/2016	1	19,572	0
				5,000,000.000			
208488IB	Commodity Option Index	.89	CALL SCTY	EX 05/17/2016	1	9,962	0
				2,460,000.000			
208489IB	Commodity Option Index	.91	CALL SCTY	EX 06/17/2016	1	5,978	0
				1,460,000.000			
208754IB	Commodity Option Index	1.00	CALL SCTY	EX 06/24/2016	1	9,275	0
				700.000			
208755IB	Commodity Option Index	1.00	PUT SCTY	EX 06/24/2016	1	9,275	(19,600)
				700.000			
208756IB	Commodity Option Index	1.00	CALL SCTY	EX 05/31/2016	1	5,600	0
				700.000			
208757IB	Commodity Option Index	1.00	PUT SCTY	EX 05/31/2016	1	5,600	0
				700.000			
208827IB	Commodity Option Index	1.00	PUT SCTY	EX 07/15/2016	1	7,735	0
				700.000			
208828IB	Commodity Option Index	1.00	CALL SCTY	EX 07/15/2016	1	7,735	0
				700.000			
208843IB	Commodity Option Index	1.00	CALL SCTY	EX 07/28/2016	1	1,350	0
				100.000			
208866IB	Commodity Option Index	1.50	CALL SCTY	EX 08/18/2016	1	10,477	0
				3,000,000.000			
208490IB	Commodity Option Index	1.59	CALL SCTY	EX 05/17/2016	1	2,655	0
				1,580,000.000			
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 796 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				

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			BASE CURRENCY: USD					
	IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION	
4C4622F	EUROPEAN-STYLE NATURAL GAS P	1.90	PUT	SCTY 4098846	EX 05/25/2016	10000	9,234	0
						30.000		
4C5327F	EUROPEAN-STYLE NATURAL GAS P	1.90	PUT	SCTY 4098846	EX 06/27/2016	10000	8,423	(330)
						27.000		
2C9702F	EUROPEAN-STYLE NATURAL GAS P	1.95	PUT	SCTY 4098846	EX 02/24/2016	10000	92,020	(106,777)
						86.000		
4C4340F	EUROPEAN-STYLE NATURAL GAS P	1.95	PUT	SCTY 4098846	EX 06/27/2016	10000	29,769	(940)
						77.000		
5C0936F	EUROPEAN-STYLE NATURAL GAS P	2.05	PUT	SCTY 4098846	EX 06/27/2016	10000	4,189	(317)
						26.000		
3C4444F	EUROPEAN-STYLE NATURAL GAS P	2.10	PUT	SCTY 4098846	EX 11/25/2016	10000	26,911	(5,820)
						39.000		
3C3097W	EUROPEAN-STYLE NATURAL GAS P	2.20	PUT	SCTY 4098846	EX 11/25/2016	10000	10,625	(12,896)
						40.000		
3C0582F	EUROPEAN-STYLE NATURAL GAS P	2.25	PUT	SCTY 4098846	EX 11/25/2016	10000	136,809	(19,396)
						207.000		
5C2727F	EUROPEAN-STYLE NATURAL GAS P	2.25	PUT	SCTY 4098846	EX 07/26/2016	10000	7,595	(1,775)
						34.000		
5C2729F	EUROPEAN-STYLE NATURAL GAS P	2.25	PUT	SCTY 4098846	EX 08/26/2016	10000	8,372	0
						19.000		
2C8616F	EUROPEAN-STYLE NATURAL GAS P	2.35	PUT	SCTY 4098846	EX 11/25/2016	10000	201,854	(38,400)
						308.000		
5C4436F	EUROPEAN-STYLE NATURAL GAS P	2.35	PUT	SCTY 4098846	EX 07/26/2016	10000	1,921	(261)
						13.000		
5C8893F	EUROPEAN-STYLE NATURAL GAS P	2.35	PUT	SCTY 4098846	EX 08/26/2016	10000	15,787	(1,417)
						44.000		
6C2870F	EUROPEAN-STYLE NATURAL GAS P	2.35	PUT	SCTY 4098846	EX 09/27/2016	10000	12,554	(422)
						46.000		
5C9600F	EUROPEAN-STYLE NATURAL GAS P	2.40	PUT	SCTY 4098846	EX 08/26/2016	10000	4,036	(244)
						11.000		
6C4106F	EUROPEAN-STYLE NATURAL GAS P	2.40	PUT	SCTY 4098846	EX 09/27/2016	10000	6,288	(195)
						27.000		
JPMorgan Investor Services			J.P.Morgan					

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			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT				COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
6C4095F	IDENTITY OF ISSUE, BORROWER, LESSOR EUROPEAN-STYLE NATURAL GAS P	2.45	PUT	SCTY 4098846 EX 09/27/2016	10000		641	0
				2.000				
5C4160F	EUROPEAN-STYLE NATURAL GAS P	2.60	PUT	SCTY 4098846 EX 12/27/2016	10000		23,862	0
				17.000				
6C7341F	EUROPEAN-STYLE NATURAL GAS P	2.65	PUT	SCTY 4098846 EX 10/26/2016	10000		32,746	(1,087)
				89.000				
8C0614F	EUROPEAN-STYLE NATURAL GAS P	2.90	PUT	SCTY 4098846 EX 12/27/2016	10000		24,073	(1,477)
				35.000				
209430IB	FOREIGN EXCHANGE OPTION - FX	.71	PUT	SCTY EX 12/09/2016	1		137,183	0
				71,830,000.000				
208675IB	FOREIGN EXCHANGE OPTION - FX	.72	PUT	SCTY EX 03/30/2016	1		69,209	0
				69,980,000.000				
209017IB	FOREIGN EXCHANGE OPTION - FX	.72	PUT	SCTY EX 08/09/2016	1		71,491	0
				46,560,000.000				
209271IB	FOREIGN EXCHANGE OPTION - FX	.72	PUT	SCTY EX 11/03/2016	1		52,974	0
				62,750,000.000				
209273IB	FOREIGN EXCHANGE OPTION - FX	.72	PUT	SCTY EX 11/03/2016	1		6,047	0
				7,280,000.000				
209379IB	FOREIGN EXCHANGE OPTION - FX	.90	CALL	SCTY EX 12/01/2016	1		64,302	0
				48,250,000.000				
206500IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT	SCTY EX 00/00/0000	1		38,355	0
				250,000.000				
206502IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT	SCTY EX 00/00/0000	1		60,219	0
				353,000.000				
206504IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT	SCTY EX 00/00/0000	1		15,867	0
				107,000.000				
206581IB	FOREIGN EXCHANGE OPTION - FX	1.00	PUT	SCTY EX 00/00/0000	1		75,909	(56,595)
				702,000.000				
209431IB	FOREIGN EXCHANGE OPTION - FX	1.01	PUT	SCTY EX 12/30/2016	1		179,040	0
				66,790,000.000				
209466IB	FOREIGN EXCHANGE OPTION - FX	1.03	PUT	SCTY EX 12/14/2016	1		112,205	0
				41,480,000.000				
JPMorgan Investor Services			J.P.Morgan					

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
209475IB	FOREIGN EXCHANGE OPTION - FX	1.04	PUT SCTY	EX 12/30/2016	1	231,014	0
				66,790,000.000			
209036IB	FOREIGN EXCHANGE OPTION - FX	1.06	PUT SCTY	EX 08/25/2016	1	87,429	(26,221)
				63,940,000.000			
208466IB	FOREIGN EXCHANGE OPTION - FX	1.07	PUT SCTY	EX 03/10/2016	1	155,032	(125,157)
				78,690,000.000			
209263IB	FOREIGN EXCHANGE OPTION - FX	1.07	PUT SCTY	EX 11/10/2016	1	99,150	(72,805)
				47,440,000.000			
208404IB	FOREIGN EXCHANGE OPTION - FX	1.08	PUT SCTY	EX 03/03/2016	1	246,079	(38,693)
				79,680,000.000			
208791IB	FOREIGN EXCHANGE OPTION - FX	1.09	PUT SCTY	EX 05/27/2016	1	177,689	0
				77,670,000.000			
208774IB	FOREIGN EXCHANGE OPTION - FX	1.10	PUT SCTY	EX 04/29/2016	1	94,325	0
				46,040,000.000			
208846IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT SCTY	EX 05/27/2016	1	78,980	0
				77,670,000.000			
209281IB	FOREIGN EXCHANGE OPTION - FX	1.11	PUT SCTY	EX 10/31/2016	1	330,451	0
				23,400,000.000			
209433IB	FOREIGN EXCHANGE OPTION - FX	1.20	PUT SCTY	EX 01/19/2017	1	290,072	(115,436)
				42,840,000.000			
209110IB	FOREIGN EXCHANGE OPTION - FX	1.29	PUT SCTY	EX 09/07/2016	1	61,701	0
				39,630,000.000			
208783IB	FOREIGN EXCHANGE OPTION - FX	1.31	CALL SCTY	EX 05/03/2016	1	131,100	0
				43,700,000.000			
208745IB	FOREIGN EXCHANGE OPTION - FX	1.33	CALL SCTY	EX 04/22/2016	1	132,275	0
				52,490,000.000			
208645IB	FOREIGN EXCHANGE OPTION - FX	1.36	CALL SCTY	EX 03/31/2016	1	86,635	0
				52,190,000.000			
208833IB	FOREIGN EXCHANGE OPTION - FX	1.38	CALL SCTY	EX 05/26/2016	1	85,608	0
				52,520,000.000			
209381IB	FOREIGN EXCHANGE OPTION - FX	1.38	CALL SCTY	EX 11/30/2016	1	72,975	0
				52,500,000.000			
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
209396IB	FOREIGN EXCHANGE OPTION - FX	1.44	CALL SCTY	EX 12/13/2016	1	104,435	0
				52,480,000.000			
208359IB	FOREIGN EXCHANGE OPTION - FX	1.45	CALL SCTY	EX 01/29/2016	1	45,088	0
				17,510,000.000			
208422IB	FOREIGN EXCHANGE OPTION - FX	2.91	PUT SCTY	EX 03/08/2016	1	2,230	0
				500,000.000			
208396IB	FOREIGN EXCHANGE OPTION - FX	3.83	PUT SCTY	EX 08/01/2016	1	3,920	(6,616)
				400,000.000			
208379IB	FOREIGN EXCHANGE OPTION - FX	4.00	PUT SCTY	EX 01/27/2017	1	9,117	(27,288)
				300,000.000			
208408IB	FOREIGN EXCHANGE OPTION - FX	4.60	CALL SCTY	EX 08/03/2016	1	9,664	(3,160)
				400,000.000			
208380IB	FOREIGN EXCHANGE OPTION - FX	5.25	CALL SCTY	EX 01/27/2017	1	9,000	(4,710)
				300,000.000			
208386IB	FOREIGN EXCHANGE OPTION - FX	17.90	PUT SCTY	EX 03/29/2016	1	4,320	(6,182)
				400,000.000			
208485IB	FOREIGN EXCHANGE OPTION - FX	18.80	CALL SCTY	EX 03/21/2016	1	2,243	(458)
				300,000.000			
208381IB	FOREIGN EXCHANGE OPTION - FX	19.30	CALL SCTY	EX 03/29/2016	1	4,260	(420)
				400,000.000			
208727IB	FOREIGN EXCHANGE OPTION - FX	68.50	CALL SCTY	EX 06/15/2016	1	4,430	(2,541)
				330,000.000			
208728IB	FOREIGN EXCHANGE OPTION - FX	68.50	PUT SCTY	EX 06/15/2016	1	4,430	(7,788)
				330,000.000			
208660IB	FOREIGN EXCHANGE OPTION - FX	102.45	CALL SCTY	EX 03/14/2017	1	10,545	(7,869)
				300,000.000			
208975IB	FOREIGN EXCHANGE OPTION - FX	105.00	CALL SCTY	EX 08/03/2016	1	283,358	0
				52,040,000.000			
209255IB	FOREIGN EXCHANGE OPTION - FX	105.50	CALL SCTY	EX 10/26/2016	1	73,584	0
				35,040,000.000			
208541IB	FOREIGN EXCHANGE OPTION - FX	106.00	CALL SCTY	EX 02/27/2017	1	11,550	(7,950)
				300,000.000			
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
SHARES / PAR						PROCEEDS FROM DISPOSITION	
208980IB	FOREIGN EXCHANGE OPTION - FX	106.50	CALL SCTY	EX 07/26/2016	1	136,964	(320,250)
			52,500,000.000				
208982IB	FOREIGN EXCHANGE OPTION - FX	107.50	CALL SCTY	EX 07/26/2016	1	99,788	0
			52,520,000.000				
208942IB	FOREIGN EXCHANGE OPTION - FX	108.00	CALL SCTY	EX 08/03/2016	1	111,105	0
			52,040,000.000				
209059IB	FOREIGN EXCHANGE OPTION - FX	108.00	CALL SCTY	EX 09/29/2016	1	158,257	0
			52,490,000.000				
209377IB	FOREIGN EXCHANGE OPTION - FX	109.00	CALL SCTY	EX 12/01/2016	1	55,303	(1,076,445)
			52,420,000.000				
209024IB	FOREIGN EXCHANGE OPTION - FX	110.00	CALL SCTY	EX 08/10/2016	1	227,325	(114,188)
			52,500,000.000				
208905IB	FOREIGN EXCHANGE OPTION - FX	111.00	CALL SCTY	EX 07/01/2016	1	99,545	0
			87,320,000.000				
208839IB	FOREIGN EXCHANGE OPTION - FX	112.00	CALL SCTY	EX 06/09/2016	1	99,016	(35,926)
			35,050,000.000				
208841IB	FOREIGN EXCHANGE OPTION - FX	112.00	CALL SCTY	EX 05/31/2016	1	43,813	(81,491)
			35,050,000.000				
209414IB	FOREIGN EXCHANGE OPTION - FX	112.00	CALL SCTY	EX 12/15/2016	1	208,402	(1,058,629)
			52,760,000.000				
208787IB	FOREIGN EXCHANGE OPTION - FX	112.50	CALL SCTY	EX 05/16/2016	1	177,086	(142,981)
			52,470,000.000				
208889IB	FOREIGN EXCHANGE OPTION - FX	113.00	CALL SCTY	EX 07/01/2016	1	264,492	0
			87,320,000.000				
208463IB	FOREIGN EXCHANGE OPTION - FX	114.00	CALL SCTY	EX 02/15/2017	1	12,945	(6,420)
			300,000.000				
208632IB	FOREIGN EXCHANGE OPTION - FX	115.50	CALL SCTY	EX 03/31/2016	1	292,891	0
			87,170,000.000				
208334IB	FOREIGN EXCHANGE OPTION - FX	119.80	CALL SCTY	EX 01/19/2016	1	35,492	0
			52,580,000.000				
208393IB	FOREIGN EXCHANGE OPTION - FX	124.50	CALL SCTY	EX 02/29/2016	1	128,993	0
			52,650,000.000				
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
208725IB	FOREIGN EXCHANGE OPTION - FX	1170.00	PUT SCTY	EX 05/13/2016	1	1,408	(4,240)
				200,000.000			
208726IB	FOREIGN EXCHANGE OPTION - FX	1170.00	PUT SCTY	EX 05/16/2016	1	1,417	(4,290)
				200,000.000			
208786IB	FOREIGN EXCHANGE OPTION - FX	1175.00	CALL SCTY	EX 05/12/2016	1	179,088	0
				43,680,000.000			
208669IB	FOREIGN EXCHANGE OPTION - FX	1215.00	CALL SCTY	EX 03/31/2016	1	93,960	0
				34,800,000.000			
208409IB	FOREIGN EXCHANGE OPTION - FX	1250.00	CALL SCTY	EX 05/03/2016	1	4,560	(440)
				400,000.000			
208461IB	FOREIGN EXCHANGE OPTION - FX	1275.00	CALL SCTY	EX 05/13/2016	1	2,000	(60)
				200,000.000			
208459IB	FOREIGN EXCHANGE OPTION - FX	1282.00	CALL SCTY	EX 05/16/2016	1	2,010	(30)
				200,000.000			
3C5833F	HENRY HUB NATURAL GAS PUT US	1.55	PUT SCTY	4098846 EX 03/28/2016	10000	3,205	(226)
				14.000			
3C5177F	HENRY HUB NATURAL GAS PUT US	1.60	PUT SCTY	4098846 EX 03/28/2016	10000	9,270	(2)
				38.000			
3C4205F	HENRY HUB NATURAL GAS PUT US	1.65	PUT SCTY	4098846 EX 03/28/2016	10000	2,541	(1)
				12.000			
3C8436F	HENRY HUB NATURAL GAS PUT US	1.75	PUT SCTY	4098846 EX 04/26/2016	10000	7,538	0
				22.000			
4C2959F	HENRY HUB NATURAL GAS PUT US	1.80	PUT SCTY	4098846 EX 06/27/2016	10000	11,991	(1,308)
				26.000			
4C4644F	HENRY HUB NATURAL GAS PUT US	1.90	PUT SCTY	4098846 EX 05/25/2016	10000	6,155	0
				23.000			
4C4645F	HENRY HUB NATURAL GAS PUT US	1.90	PUT SCTY	4098846 EX 06/27/2016	10000	1,471	(129)
				4.000			
2C9424F	HENRY HUB NATURAL GAS PUT US	1.95	PUT SCTY	4098846 EX 02/24/2016	10000	13,470	(47,044)
				29.000			
4C7600F	HENRY HUB NATURAL GAS PUT US	2.00	PUT SCTY	4098846 EX 07/26/2016	10000	5,661	(419)
				13.000			
JPMorgan Investor Services			J.P.Morgan				

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			DESCRIPTION OF INVESTMENT				COST OF ACQUISITION		PROCEEDS FROM DISPOSITION
4C8252F	IDENTITY OF ISSUE, BORROWER, LESSOR HENRY HUB NATURAL GAS PUT US	2.00	PUT	SCTY 4098846 EX 06/27/2016	10000	3,415		(85)	
5C2199F	HENRY HUB NATURAL GAS PUT US	2.20	PUT	SCTY 4098846 EX 08/26/2016	10000	14,634		(666)	
5C2477F	HENRY HUB NATURAL GAS PUT US	2.25	PUT	SCTY 4098846 EX 08/26/2016	10000	3,382		(258)	
5C2479F	HENRY HUB NATURAL GAS PUT US	2.30	PUT	SCTY 4098846 EX 08/26/2016	10000	3,205		(365)	
6C2325F	HENRY HUB NATURAL GAS PUT US	2.35	PUT	SCTY 4098846 EX 09/27/2016	10000	13,168		(511)	
6C2872F	HENRY HUB NATURAL GAS PUT US	2.40	PUT	SCTY 4098846 EX 09/27/2016	10000	5,806		(134)	
6C7364F	HENRY HUB NATURAL GAS PUT US	2.65	PUT	SCTY 4098846 EX 10/26/2016	10000	5,483		(134)	
7C5113F	HENRY HUB NATURAL GAS PUT US	2.75	PUT	SCTY 4098846 EX 11/25/2016	10000	28,731		0	
8C0615F	HENRY HUB NATURAL GAS PUT US	2.90	PUT	SCTY 4098846 EX 12/27/2016	10000	23,408		(1,435)	
3C4193F	LIGHT SWEET CRUDE OIL PUT US	27.00	PUT	SCTY 4098846 EX 05/17/2016	1000	11,263		(3,622)	
208807IB	Mortgage Option	3.00	CALL	SCTY EX 05/05/2016	1	6,348		0	
208808IB	Mortgage Option	3.00	PUT	SCTY EX 05/05/2016	1	10,664		0	
208853IB	Mortgage Option	3.00	PUT	SCTY EX 07/07/2016	1	31,641		0	
208854IB	Mortgage Option	3.00	CALL	SCTY EX 07/07/2016	1	6,328		0	
208860IB	Mortgage Option	3.00	PUT	SCTY EX 07/07/2016	1	16,016		0	
208878IB	Mortgage Option	3.00	CALL	SCTY EX 07/07/2016	1	6,328		0	
JPMorgan Investor Services			J.P.Morgan						

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			BASE CURRENCY: USD				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 805 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST			PAGE 806 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR			PROCEEDS FROM DISPOSITION	
208447IB	Mortgage Option	3.50	PUT	SCTY	EX 03/07/2016	1	5,625
			3,000,000.000			0	
208448IB	Mortgage Option	3.50	PUT	SCTY	EX 03/07/2016	1	5,625
			3,000,000.000			0	
208449IB	Mortgage Option	3.50	CALL	SCTY	EX 03/07/2016	1	4,453
			3,000,000.000			0	
208476IB	Mortgage Option	3.50	PUT	SCTY	EX 03/07/2016	1	5,156
			3,000,000.000			0	
208477IB	Mortgage Option	3.50	CALL	SCTY	EX 03/07/2016	1	4,688
			3,000,000.000			0	
208511IB	Mortgage Option	3.50	PUT	SCTY	EX 04/06/2016	1	8,789
			3,000,000.000			0	
208520IB	Mortgage Option	3.50	CALL	SCTY	EX 04/06/2016	1	14,063
			5,000,000.000			0	
208620IB	Mortgage Option	3.50	PUT	SCTY	EX 04/06/2016	1	8,594
			5,000,000.000			0	
208621IB	Mortgage Option	3.50	CALL	SCTY	EX 04/06/2016	1	7,422
			5,000,000.000			0	
208638IB	Mortgage Option	3.50	PUT	SCTY	EX 04/06/2016	1	4,805
			3,000,000.000			0	
208731IB	Mortgage Option	3.50	PUT	SCTY	EX 05/05/2016	1	4,922
			3,000,000.000			0	
208734IB	Mortgage Option	3.50	CALL	SCTY	EX 05/05/2016	1	4,453
			3,000,000.000			0	
208759IB	Mortgage Option	3.50	PUT	SCTY	EX 04/06/2016	1	20,313
			10,000,000.000			0	
208795IB	Mortgage Option	3.50	PUT	SCTY	EX 05/05/2016	1	9,766
			5,000,000.000			0	
208801IB	Mortgage Option	3.50	PUT	SCTY	EX 06/06/2016	1	7,500
			4,000,000.000			0	
208805IB	Mortgage Option	3.50	PUT	SCTY	EX 06/06/2016	1	5,273
			3,000,000.000			0	

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			BASE CURRENCY: USD				
			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR				
208946IB	Mortgage Option	3.50	PUT SCTY	EX 08/04/2016	1	42,188	0
			12,000,000.000				
208947IB	Mortgage Option	3.50	CALL SCTY	EX 08/04/2016	1	42,188	0
			12,000,000.000				
208948IB	Mortgage Option	3.50	CALL SCTY	EX 08/04/2016	1	20,195	0
			5,500,000.000				
208949IB	Mortgage Option	3.50	PUT SCTY	EX 08/04/2016	1	20,195	0
			5,500,000.000				
209197IB	Mortgage Option	3.50	PUT SCTY	EX 11/07/2016	1	4,785	0
			3,500,000.000				
209198IB	Mortgage Option	3.50	CALL SCTY	EX 11/07/2016	1	2,871	0
			3,500,000.000				
208865IB	Mortgage Option	4.00	PUT SCTY	EX 07/07/2016	1	10,938	0
			5,000,000.000				
209172IB	Mortgage Option	4.00	CALL SCTY	EX 10/06/2016	1	1,992	0
			1,500,000.000				
209447IB	Mortgage Option	100.11	CALL SCTY	EX 12/06/2016	1	6,563	0
			3,500,000.000				
209409IB	Mortgage Option	100.31	CALL SCTY	EX 12/06/2016	1	9,023	0
			3,500,000.000				
209417IB	Mortgage Option	101.00	CALL SCTY	EX 12/06/2016	1	5,781	0
			2,000,000.000				
209424IB	Mortgage Option	101.00	CALL SCTY	EX 12/06/2016	1	17,930	0
			8,500,000.000				
209308IB	Mortgage Option	102.00	PUT SCTY	EX 12/06/2016	1	6,973	0
			3,500,000.000				
209391IB	Mortgage Option	102.02	PUT SCTY	EX 12/06/2016	1	23,379	0
			9,500,000.000				
209330IB	Mortgage Option	103.06	CALL SCTY	EX 12/06/2016	1	10,156	0
			5,000,000.000				
209363IB	Mortgage Option	103.08	CALL SCTY	EX 12/06/2016	1	14,766	(2,461)
			9,000,000.000				
JPMorgan Investor Services			J.P.Morgan				

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			BASE CURRENCY: USD				
IDENTITY OF ISSUE, BORROWER, LESSOR			DESCRIPTION OF INVESTMENT			COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
209371IB	Mortgage Option	103.09	CALL SCTY	EX 12/06/2016	1	7,617	0
			5,000,000.000				
209366IB	Mortgage Option	103.11	CALL SCTY	EX 12/06/2016	1	22,344	0
			13,000,000.000				
208765IB	Mortgage Option	104.23	PUT SCTY	EX 05/05/2016	1	8,438	0
			3,000,000.000				
209365IB	Mortgage Option	104.31	CALL SCTY	EX 12/06/2016	1	11,914	0
			5,000,000.000				
208521IB	Mortgage Option	105.06	CALL SCTY	EX 04/06/2016	1	7,266	0
			3,000,000.000				
209364IB	Mortgage Option	107.02	PUT SCTY	EX 12/06/2016	1	4,336	0
			3,000,000.000				
2C5836F	SB COMDTY PUT USD 0.135 16/F	.13	PUT SCTY	4098846 EX 02/16/2016	1120	10,854	(24,043)
			67.000				
208681IB	SWAPTION - SOP	1.47	PUT SCTY	EX 03/19/2018	1	204,924	(96,048)
			23,090,000.000				
208682IB	SWAPTION - SOP	1.47	CALL SCTY	EX 03/19/2018	1	204,924	(242,221)
			23,090,000.000				
208683IB	SWAPTION - SOP	1.55	CALL SCTY	EX 03/15/2018	1	209,253	(255,417)
			23,090,000.000				
208684IB	SWAPTION - SOP	1.55	PUT SCTY	EX 03/15/2018	1	209,253	(83,734)
			23,090,000.000				
6C2147F	10 YEAR US TREASURY NOTES CA	133.00	CALL SCTY	4098846 EX 09/23/2016	100000	21,125	(8)
			80.000				
7C8394F	10 YEAR US TREASURY NOTES PU	124.00	PUT SCTY	4098846 EX 12/23/2016	100000	90,311	(120)
			219.000				
7C7974F	10 YEAR US TREASURY NOTES PU	125.00	PUT SCTY	4098846 EX 12/23/2016	100000	29,004	(51)
			93.000				
3C7712F	10 YEAR US TREASURY NOTES PU	127.00	PUT SCTY	4098846 EX 04/22/2016	100000	25,791	(12,945)
			108.000				
3C5318F	10 YEAR US TREASURY NOTES PU	127.50	PUT SCTY	4098846 EX 04/22/2016	100000	25,591	(12,941)
			70.000				
JPMorgan Investor Services			J.P.Morgan				

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR			IBM: RETIREMENT PLAN TRUST				PAGE 809 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT				COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR				PROCEEDS FROM DISPOSITION	
4C5588F	10 YEAR US TREASURY NOTES PU	128.00	PUT	SCTY 4098846 EX 06/24/2016	100000	13,968	(1,280)	
				39.000				
7C5659F	10 YEAR US TREASURY NOTES PU	128.00	PUT	SCTY 4098846 EX 12/23/2016	100000	12,200	(16)	
				29.000				
3C8997F	10 YEAR US TREASURY NOTES PU	128.50	PUT	SCTY 4098846 EX 05/20/2016	100000	5,292	(817)	
				17.000				
6C4779F	10 YEAR US TREASURY NOTES PU	128.50	PUT	SCTY 4098846 EX 11/25/2016	100000	111,107	0	
				347.000				
3C1275W	10 YEAR US TREASURY NOTES PU	129.00	PUT	SCTY 4098846 EX 03/24/2016	100000	29,841	(12,918)	
				97.000				
4C1967F	10 YEAR US TREASURY NOTES PU	129.50	PUT	SCTY 4098846 EX 05/20/2016	100000	6,209	0	
				21.000				
6C3292F	10 YEAR US TREASURY NOTES PU	129.50	PUT	SCTY 4098846 EX 09/23/2016	100000	4,761	(2)	
				15.000				
5C9844W	10 YEAR US TREASURY NOTES PU	130.00	PUT	SCTY 4098846 EX 09/23/2016	100000	37,389	(11)	
				108.000				
5C3038F	10 YEAR US TREASURY NOTES PU	130.50	PUT	SCTY 4098846 EX 07/22/2016	100000	66,121	(6,540)	
				165.000				
5C7483W	10 YEAR US TREASURY NOTES PU	130.50	PUT	SCTY 4098846 EX 08/26/2016	100000	9,031	(969)	
				20.000				
5C7193W	10 YEAR US TREASURY NOTES PU	131.00	PUT	SCTY 4098846 EX 08/26/2016	100000	7,475	(775)	
				16.000				
5C6332F	10 YEAR US TREASURY NOTES PU	132.00	PUT	SCTY 4098846 EX 08/26/2016	100000	7,854	(10)	
				18.000				
7C7752F	30 YEAR US TREASURY BONDS PU	150.00	PUT	SCTY 4098846 EX 12/23/2016	100000	17,432	(20)	
				36.000				
7C5330F	30 YEAR US TREASURY BONDS PU	154.00	PUT	SCTY 4098846 EX 12/23/2016	100000	11,266	(10)	
				19.000				
7C5110F	30 YEAR US TREASURY BONDS PU	156.00	PUT	SCTY 4098846 EX 12/23/2016	100000	10,806	(10)	
				19.000				
7C2012F	30 YEAR US TREASURY BONDS PU	157.00	PUT	SCTY 4098846 EX 11/25/2016	100000	8,460	(2,334)	
				18.000				
JPMorgan Investor Services			J.P.Morgan					

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			BASE CURRENCY: USD					
			DESCRIPTION OF INVESTMENT				COST OF ACQUISITION	PROCEEDS FROM DISPOSITION
IDENTITY OF ISSUE, BORROWER, LESSOR			SHARES / PAR					
7C1828F	30 YEAR US TREASURY BONDS PU	158.00	PUT	SCTY 4098846	EX 11/25/2016	100000	9,657	(2,991)
			19.000					
7C1558F	30 YEAR US TREASURY BONDS PU	159.00	PUT	SCTY 4098846	EX 11/25/2016	100000	12,492	(11)
			20.000					
6C7043F	30 YEAR US TREASURY BONDS PU	160.00	PUT	SCTY 4098846	EX 10/21/2016	100000	10,475	(1,017)
			21.000					
7C1308F	30 YEAR US TREASURY BONDS PU	160.00	PUT	SCTY 4098846	EX 11/25/2016	100000	13,695	(13)
			24.000					
6C5889F	30 YEAR US TREASURY BONDS PU	162.00	PUT	SCTY 4098846	EX 10/21/2016	100000	8,745	(2)
			17.000					
6C2342F	30 YEAR US TREASURY BONDS PU	166.00	PUT	SCTY 4098846	EX 09/23/2016	100000	12,228	(2)
			16.000					
6C3524F	30 YEAR US TREASURY BONDS PU	167.00	PUT	SCTY 4098846	EX 09/23/2016	100000	12,981	(2)
			16.000					
TOTAL WRITTEN OPTIONS SECURITIES SOLD SHORT -----							9,808,732	(4,456,002)
AUD COLL	AUSTRALIAN DOLLAR		CASH COLLATERAL				533	(524)
			713.000					
CMEDKKBRC	BARCLAYS COLLATERAL						395,177	(393,962)
			2,633,725.830					
GBP COLL	BRITISH POUND STERLING		CASH COLLATERAL				3,205	(3,224)
			2,584.300					
CCBCYTUS9	CASH COLLATERAL BCY						290,000	(290,000)
			290,000.000					
CCBCYDUS4	CASH COLLATERAL DOM MSF BCY USD						3,930,000	(3,930,000)
			3,930,000.000					
CCBPSDUS2	CASH COLLATERAL DOM MSF BNP USD						5,290,000	(5,290,000)
			5,290,000.000					
CCFOBDUS9	CASH COLLATERAL DOM MSF FOB USD						2,530,000	(2,530,000)
			2,530,000.000					
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		BASE CURRENCY: USD			

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		BASE CURRENCY: USD			

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF	PROCEEDS FROM
02R040664 TBA FGLMC SINGLE FAMILY 30YR 4 6/17		SHARES / PAR		ACQUISITION	DISPOSITION
		4.000% 06/15/2047		161,267,539	(161,463,359)
		151,000,000.000			
02R040672 TBA FGLMC SINGLE FAMILY 30YR 4 7/16		4.000% 07/15/2047		88,678,125	(88,966,719)
		83,000,000.000			
02R040680 TBA FGLMC SINGLE FAMILY 30YR 4 8/16		4.000% 08/15/2047		88,914,844	(88,806,758)
		83,000,000.000			
02R040698 TBA FGLMC SINGLE FAMILY 30YR 4 9/16		4.000% 09/15/2047		174,525,078	(174,530,195)
		163,000,000.000			
01F0204B2 TBA FNMA SINGLE FAMILY 15YR 2 11/16		2.000% 11/25/2032		4,021,602	(4,023,125)
		4,000,000.000			
01F0224B8 TBA FNMA SINGLE FAMILY 15YR 2.5 11/16		2.500% 11/25/2032		36,171,020	(36,141,113)
		35,100,000.000			
01F0224C6 TBA FNMA SINGLE FAMILY 15YR 2.5 12/16		2.500% 12/25/2032		10,007,813	(10,037,891)
		10,000,000.000			
01F022428 TBA FNMA SINGLE FAMILY 15YR 2.5 2/17		2.500% 02/25/2032		2,029,688	(2,060,938)
		2,000,000.000			
01F030421 TBA FNMA SINGLE FAMILY 15YR 3 2/17		3.000% 02/25/2032		155,370,703	(155,792,930)
		149,000,000.000			
01F030439 TBA FNMA SINGLE FAMILY 15YR 3 3/17		3.000% 03/25/2032		56,333,906	(56,442,383)
		54,000,000.000			
01F030462 TBA FNMA SINGLE FAMILY 15YR 3 6/17		3.000% 06/25/2032		3,658,047	(3,663,242)
		3,500,000.000			
01F0324A9 TBA FNMA SINGLE FAMILY 15YR 3.5 10/16		3.500% 10/25/2032		18,463,965	(18,458,203)
		17,500,000.000			
01F0324B7 TBA FNMA SINGLE FAMILY 15YR 3.5 11/16		3.500% 11/25/2032		18,975,078	(18,959,551)
		18,000,000.000			
01F0324C5 TBA FNMA SINGLE FAMILY 15YR 3.5 12/16		3.500% 12/25/2032		13,157,969	(13,051,758)
		12,500,000.000			
01F032435 TBA FNMA SINGLE FAMILY 15YR 3.5 3/17		3.500% 03/25/2032		9,498,906	(9,477,461)
		9,000,000.000			
01F032443 TBA FNMA SINGLE FAMILY 15YR 3.5 4/17		3.500% 04/25/2032		9,471,094	(9,519,063)
		9,000,000.000			
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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF					
01F032450 TBA FNMA SINGLE FAMILY 15YR 3.5 5/17		SHARES / PAR		ACQUISITION					
		3.500% 05/25/2032		PROCEEDS FROM					
		4,000,000.000		DISPOSITION					
01F032468 TBA FNMA SINGLE FAMILY 15YR 3.5 6/17		3.500% 06/25/2032		(4,225,254)					
		2,000,000.000							
01F032492 TBA FNMA SINGLE FAMILY 15YR 3.5 9/16		3.500% 09/25/2032		2,118,750					
		8,000,000.000		(2,121,777)					
01F0404A2 TBA FNMA SINGLE FAMILY 15YR 4 10/16		4.000% 10/25/2032		8,453,203					
		6,000,000.000		(8,448,711)					
01F0404B0 TBA FNMA SINGLE FAMILY 15YR 4 11/16		4.000% 11/25/2032		6,222,656					
		3,000,000.000		(6,205,664)					
01F0404C8 TBA FNMA SINGLE FAMILY 15YR 4 12/16		4.000% 12/25/2032		3,100,313					
		3,000,000.000		(3,101,250)					
01F040495 TBA FNMA SINGLE FAMILY 15YR 4 9/16		4.000% 09/25/2032		3,098,438					
		6,000,000.000		(3,089,531)					
01F0424A8 TBA FNMA SINGLE FAMILY 15YR 4.5 10/16		4.500% 10/25/2032		6,220,078					
		14,200,000.000		(6,226,289)					
01F0424B6 TBA FNMA SINGLE FAMILY 15YR 4.5 11/16		4.500% 11/25/2032		14,544,594					
		10,000,000.000		(14,546,781)					
01F0424C4 TBA FNMA SINGLE FAMILY 15YR 4.5 12/16		4.500% 12/25/2032		10,236,898					
		16,000,000.000		(10,254,598)					
01F042426 TBA FNMA SINGLE FAMILY 15YR 4.5 2/17		4.500% 02/25/2032		16,441,242					
		14,000,000.000		(16,463,828)					
01F042434 TBA FNMA SINGLE FAMILY 15YR 4.5 3/17		4.500% 03/25/2032		14,487,656					
		9,000,000.000		(14,509,063)					
01F042442 TBA FNMA SINGLE FAMILY 15YR 4.5 4/17		4.500% 04/25/2032		9,318,906					
		9,000,000.000		(9,309,094)					
01F042459 TBA FNMA SINGLE FAMILY 15YR 4.5 5/17		4.500% 05/25/2032		9,302,344					
		9,000,000.000		(9,268,398)					
01F042467 TBA FNMA SINGLE FAMILY 15YR 4.5 6/17		4.500% 06/25/2032		9,261,563					
		9,000,000.000		(9,251,719)					
01F042475 TBA FNMA SINGLE FAMILY 15YR 4.5 7/16		4.500% 07/25/2032		9,244,688					
		9,000,000.000		(9,233,438)					
		9,000,000.000		9,226,406					
				(9,228,418)					
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J.P.Morgan									

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IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
01F042483 TBA FNMA SINGLE FAMILY 15YR 4.5 8/16		4.500% 08/25/2032		13,828,383		(13,840,668)	
		13,500,000.000					
01F042491 TBA FNMA SINGLE FAMILY 15YR 4.5 9/16		4.500% 09/25/2032		13,827,875		(13,815,281)	
		13,500,000.000					
01F030629 TBA FNMA SINGLE FAMILY 30YR 3 2/17		3.000% 02/25/2047		1,606,000		(1,633,188)	
		1,600,000.000					
01F030645 TBA FNMA SINGLE FAMILY 30YR 3 4/17		3.000% 04/25/2047		3,059,883		(3,062,469)	
		3,000,000.000					
01F030678 TBA FNMA SINGLE FAMILY 30YR 3 7/16		3.000% 07/25/2047		8,791,406		(8,846,143)	
		8,500,000.000					
01F032617 TBA FNMA SINGLE FAMILY 30YR 3.5 1/17		3.500% 01/25/2047		86,662,324		(86,256,797)	
		85,000,000.000					
01F0326A7 TBA FNMA SINGLE FAMILY 30YR 3.5 10/16		3.500% 10/25/2047		18,474,395		(18,450,273)	
		17,500,000.000					
01F0326B5 TBA FNMA SINGLE FAMILY 30YR 3.5 11/16		3.500% 11/25/2047		15,260,469		(15,223,320)	
		14,500,000.000					
01F0326C3 TBA FNMA SINGLE FAMILY 30YR 3.5 12/16		3.500% 12/25/2047		90,513,867		(90,257,031)	
		87,500,000.000					
01F0406B8 TBA FNMA SINGLE FAMILY 30YR 4 11/16		4.000% 11/25/2047		19,276,875		(19,266,953)	
		18,000,000.000					
01F0406C6 TBA FNMA SINGLE FAMILY 30YR 4 12/16		4.000% 12/25/2047		120,539,531		(120,016,816)	
		113,500,000.000					
01F040644 TBA FNMA SINGLE FAMILY 30YR 4 4/17		4.000% 04/25/2047		2,980,906		(2,977,031)	
		2,800,000.000					
01F040651 TBA FNMA SINGLE FAMILY 30YR 4 5/17		4.000% 05/25/2047		51,244,219		(51,255,820)	
		48,000,000.000					
01F040669 TBA FNMA SINGLE FAMILY 30YR 4 6/17		4.000% 06/25/2047		35,841,797		(35,844,922)	
		33,500,000.000					
01F040677 TBA FNMA SINGLE FAMILY 30YR 4 7/16		4.000% 07/25/2047		27,849,863		(27,896,914)	
		26,000,000.000					
01F040685 TBA FNMA SINGLE FAMILY 30YR 4 8/16		4.000% 08/25/2047		57,336,523		(57,310,840)	
		53,500,000.000					
JPMorgan Investor Services		J.P.Morgan					

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST		PAGE 816 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
		BASE CURRENCY: USD			
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
01F040693 TBA FNMA SINGLE FAMILY 30YR 4 9/16		SHARES / PAR		PROCEEDS FROM DISPOSITION	
		4.000% 09/25/2047		37,480,039	
		35,000,000.000		(37,491,523)	
01F042616 TBA FNMA SINGLE FAMILY 30YR 4.5 1/17		4.500% 01/25/2047		6,470,469	
		6,000,000.000		(6,460,078)	
01F042632 TBA FNMA SINGLE FAMILY 30YR 4.5 3/17		4.500% 03/25/2047		3,251,602	
		3,000,000.000		(3,257,695)	
01F042640 TBA FNMA SINGLE FAMILY 30YR 4.5 4/17		4.500% 04/25/2047		1,627,734	
		1,500,000.000		(1,631,074)	
01F042657 TBA FNMA SINGLE FAMILY 30YR 4.5 5/17		4.500% 05/25/2047		1,629,844	
		1,500,000.000		(1,634,414)	
01F042665 TBA FNMA SINGLE FAMILY 30YR 4.5 6/17		4.500% 06/25/2047		1,632,656	
		1,500,000.000		(1,632,949)	
01F042673 TBA FNMA SINGLE FAMILY 30YR 4.5 7/16		4.500% 07/25/2047		1,631,484	
		1,500,000.000		(1,637,344)	
01F042681 TBA FNMA SINGLE FAMILY 30YR 4.5 8/16		4.500% 08/25/2047		14,718,867	
		13,500,000.000		(14,716,699)	
01F042699 TBA FNMA SINGLE FAMILY 30YR 4.5 9/16		4.500% 09/25/2047		13,654,883	
		12,500,000.000		(13,657,285)	
01N0306A2 TBA GNMA SINGLE FAMILY 30YR 3 10/16		3.000% 10/15/2047		2,086,250	
		2,000,000.000		(2,085,859)	
01N0306B0 TBA GNMA SINGLE FAMILY 30YR 3 11/16		3.000% 11/15/2047		1,041,719	
		1,000,000.000		(1,030,078)	
01N0306C8 TBA GNMA SINGLE FAMILY 30YR 3 12/16		3.000% 12/15/2047		1,028,594	
		1,000,000.000		(1,012,578)	
01N030638 TBA GNMA SINGLE FAMILY 30YR 3 3/17		3.000% 03/15/2047		4,126,406	
		4,000,000.000		(4,132,109)	
01N030646 TBA GNMA SINGLE FAMILY 30YR 3 4/17		3.000% 04/15/2047		2,063,125	
		2,000,000.000		(2,071,250)	
01N030687 TBA GNMA SINGLE FAMILY 30YR 3 8/16		3.000% 08/15/2047		2,094,141	
		2,000,000.000		(2,095,547)	
01N030695 TBA GNMA SINGLE FAMILY 30YR 3 9/16		3.000% 09/15/2047		4,188,906	
		4,000,000.000		(4,189,375)	
JPMorgan Investor Services		J.P.Morgan			

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST BASE CURRENCY: USD		PAGE 817 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016			
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
01N032626 TBA GNMA SINGLE FAMILY 30YR 3.5 2/17		3.500% 02/15/2047		5,246,875		(5,270,801)	
		5,000,000.000					
01N032634 TBA GNMA SINGLE FAMILY 30YR 3.5 3/17		3.500% 03/15/2047		2,632,031		(2,632,422)	
		2,500,000.000					
01N032642 TBA GNMA SINGLE FAMILY 30YR 3.5 4/17		3.500% 04/15/2047		2,629,297		(2,645,313)	
		2,500,000.000					
01N032659 TBA GNMA SINGLE FAMILY 30YR 3.5 5/17		3.500% 05/15/2047		2,641,211		(2,638,867)	
		2,500,000.000					
01N032667 TBA GNMA SINGLE FAMILY 30YR 3.5 6/17		3.500% 06/15/2047		527,891		(526,836)	
		500,000.000					
01N032675 TBA GNMA SINGLE FAMILY 30YR 3.5 7/16		3.500% 07/15/2047		526,250		(530,996)	
		500,000.000					
01N032683 TBA GNMA SINGLE FAMILY 30YR 3.5 8/16		3.500% 08/15/2047		2,122,461		(2,124,063)	
		2,000,000.000					
01N042666 TBA GNMA SINGLE FAMILY 30YR 4.5 6/17		4.500% 06/15/2047		6,596,719		(6,609,375)	
		6,000,000.000					
01N0506A0 TBA GNMA SINGLE FAMILY 30YR 5 10/16		5.000% 10/15/2047		13,881,602		(13,899,883)	
		12,500,000.000					
01N0506B8 TBA GNMA SINGLE FAMILY 30YR 5 11/16		5.000% 11/15/2047		9,444,297		(9,390,234)	
		8,500,000.000					
01N0506C6 TBA GNMA SINGLE FAMILY 30YR 5 12/16		5.000% 12/15/2047		8,827,500		(8,791,875)	
		8,000,000.000					
01N050628 TBA GNMA SINGLE FAMILY 30YR 5 2/17		5.000% 02/15/2047		21,943,750		(22,021,875)	
		20,000,000.000					
01N050636 TBA GNMA SINGLE FAMILY 30YR 5 3/17		5.000% 03/15/2047		20,734,344		(20,734,344)	
		18,800,000.000					
01N050644 TBA GNMA SINGLE FAMILY 30YR 5 4/17		5.000% 04/15/2047		11,001,406		(11,023,008)	
		10,000,000.000					
01N050651 TBA GNMA SINGLE FAMILY 30YR 5 5/17		5.000% 05/15/2047		10,463,359		(10,522,617)	
		9,500,000.000					
01N050669 TBA GNMA SINGLE FAMILY 30YR 5 6/17		5.000% 06/15/2047		10,514,453		(10,537,891)	
		9,500,000.000					
JPMorgan Investor Services		J.P.Morgan					

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST BASE CURRENCY: USD		PAGE 818 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016			
IDENTITY OF ISSUE, BORROWER, LESSOR		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION		PROCEEDS FROM DISPOSITION	
01N050677 TBA GNMA SINGLE FAMILY 30YR 5 7/16		5.000% 07/15/2047		11,076,133		(11,113,242)	
		10,000,000.000					
01N050685 TBA GNMA SINGLE FAMILY 30YR 5 8/16		5.000% 08/15/2047		9,990,000		(9,994,219)	
		9,000,000.000					
01N050693 TBA GNMA SINGLE FAMILY 30YR 5 9/16		5.000% 09/15/2047		13,322,813		(13,342,969)	
		12,000,000.000					
21H030682 TBA GNMA2 SINGLE FAMILY 30YR 3 8/16		3.000% 08/15/2046		2,095,469		(2,094,688)	
		2,000,000.000					
21H0326A3 TBA GNMA2 SINGLE FAMILY 30YR 3.5 10/16		3.500% 10/15/2047		13,792,500		(13,808,438)	
		13,000,000.000					
21H0326B1 TBA GNMA2 SINGLE FAMILY 30YR 3.5 11/16		3.500% 11/15/2047		18,032,969		(17,999,023)	
		17,000,000.000					
21H0326C9 TBA GNMA2 SINGLE FAMILY 30YR 3.5 12/16		3.500% 12/15/2047		17,833,750		(17,708,125)	
		17,000,000.000					
21H032662 TBA GNMA2 SINGLE FAMILY 30YR 3.5 6/17		3.500% 06/15/2047		6,322,500		(6,330,234)	
		6,000,000.000					
21H032670 TBA GNMA2 SINGLE FAMILY 30YR 3.5 7/16		3.500% 07/15/2047		6,321,563		(6,372,656)	
		6,000,000.000					
21H032688 TBA GNMA2 SINGLE FAMILY 30YR 3.5 8/16		3.500% 08/15/2047		6,364,922		(6,369,141)	
		6,000,000.000					
21H032696 TBA GNMA2 SINGLE FAMILY 30YR 3.5 9/16		3.500% 09/15/2047		6,361,875		(6,363,047)	
		6,000,000.000					
21H0406A6 TBA GNMA2 SINGLE FAMILY 30YR 4 10/16		4.000% 10/15/2047		21,173,344		(21,190,883)	
		19,800,000.000					
21H0406B4 TBA GNMA2 SINGLE FAMILY 30YR 4 11/16		4.000% 11/15/2047		65,678,078		(65,677,578)	
		61,400,000.000					
21H040681 TBA GNMA2 SINGLE FAMILY 30YR 4 8/16		4.000% 08/15/2047		7,473,281		(7,474,023)	
		7,000,000.000					
21H040699 TBA GNMA2 SINGLE FAMILY 30YR 4 9/16		4.000% 09/15/2047		27,804,773		(27,815,914)	
		26,000,000.000					
21H042661 TBA GNMA2 SINGLE FAMILY 30YR 4.5 6/17		4.500% 06/15/2047		0		0	
</							

FD492 SCHEDULE H (FORM 5500 - 4I-2) SCHEDULE OF INVESTMENT ASSETS BOTH ACQUIRED AND DISPOSED OF WITHIN THE PLAN YEAR		IBM: RETIREMENT PLAN TRUST		PAGE 819 C 04102 DECEMBER 31, 2015 THROUGH DECEMBER 31, 2016	
		BASE CURRENCY: USD			
		DESCRIPTION OF INVESTMENT		COST OF ACQUISITION	
IDENTITY OF ISSUE, BORROWER, LESSOR		SHARES / PAR		PROCEEDS FROM DISPOSITION	
21H050623 TBA GNMA2 SINGLE FAMILY 30YR 5 2/17		5.000% 02/15/2047		6,497,344	
		6,000,000.000		(6,506,953)	
21H050631 TBA GNMA2 SINGLE FAMILY 30YR 5 3/17		5.000% 03/15/2047		3,252,188	
		3,000,000.000		(3,253,125)	
21H050649 TBA GNMA2 SINGLE FAMILY 30YR 5 4/17		5.000% 04/15/2047		3,253,125	
		3,000,000.000		(3,242,578)	
21H050656 TBA GNMA2 SINGLE FAMILY 30YR 5 5/17		5.000% 05/15/2047		3,135,172	
		2,900,000.000		(3,131,094)	
21H050664 TBA GNMA2 SINGLE FAMILY 30YR 5 6/17		5.000% 06/15/2047		3,132,000	
		2,900,000.000		(3,126,582)	
21H050672 TBA GNMA2 SINGLE FAMILY 30YR 5 7/16		5.000% 07/15/2047		3,073,992	
		2,850,000.000		(3,094,584)	
21H050680 TBA GNMA2 SINGLE FAMILY 30YR 5 8/16		5.000% 08/15/2047		2,551,953	
		2,350,000.000		(2,549,383)	
CCUBSDUS2 UBS COLLATERAL FWCC				2,720,000	
		2,720,000.000		(2,720,000)	
USOTCCBNY USD OTC CLIENT CASH COLLATERAL WITH BANK LON				370,000	
		370,000.000		(370,000)	
TBBCUSFOB USD TBA CASH COLLATERAL BROKER OWNED FOB				61,000	
		61,000.000		(61,000)	
TOTAL SECURITIES SOLD SHORT				2,329,025,550	

TOTAL GENERAL INVESTMENTS				616,245,454	

				(545,763,395)	

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Line 26- Schedule of Active Participants Data
Age/Service Distribution for All Active Participants as of January 1, 2016

	Years of Service																				
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & up		Grand Total
Attained Age	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.	Avg. Accrued Benefit	No.
Under 25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25 to 29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30 to 34	---	---	1	---	3	---	207	13,386	1	---	---	---	---	---	---	---	---	---	---	---	212
35 to 39	---	---	1	---	25	14,569	1,750	24,048	637	39,591	2	---	---	---	---	---	---	---	---	---	2,415
40 to 44	---	---	6	---	34	17,345	2,031	30,133	2,122	49,585	274	65,375	6	---	---	---	---	---	---	---	4,473
45 to 49	---	---	13	---	38	25,667	2,072	35,514	2,324	58,157	885	84,002	834	114,372	15	---	---	---	---	---	6,181
50 to 54	---	---	14	---	49	35,976	1,972	39,944	2,388	67,097	920	97,677	1,934	127,786	2,393	179,288	46	168,974	---	---	9,716
55 to 59	---	---	5	---	31	45,466	1,511	40,950	1,849	75,136	512	116,062	991	218,551	3,920	301,879	1,906	388,830	18	---	10,743
60 to 64	---	---	2	---	16	---	780	40,554	892	82,233	258	126,425	355	283,268	946	407,774	1,543	469,630	388	515,200	5,180
65 to 69	---	---	1	---	2	---	174	38,613	215	82,879	70	158,690	75	292,738	168	470,103	221	536,440	243	569,687	1,169
70 & up	---	---	---	---	---	---	35	40,411	19	---	9	---	4	---	16	---	14	---	80	668,131	177
Grand Total	---		43		198		10,532		10,447		2,930		4,199		7,458		3,730		729		40,266

Plan Sponsor: IBM Corporation
EIN / PN: 13-0871985/001
Plan Name: IBM Personal Pension Plan

Note that this is a “hard frozen” plan and average accrued benefits are shown in lieu of average compensation.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Line 26- Schedule of Active Participants Data - Page 2

Age/Service Distribution PPA Qualified Balance Distribution for PPA Active Participants as of January 1, 2016

	Years of Service																				
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & up		Grand Total
Attained Age	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.	Avg. PPA Bal	No.
Under 25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25 to 29	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30 to 34	---	---	1	---	3	---	207	13,386	1	---	---	---	---	---	---	---	---	---	---	---	212
35 to 39	---	---	1	---	25	14,569	1,750	24,048	637	39,591	2	---	---	---	---	---	---	---	---	---	2,415
40 to 44	---	---	6	---	33	17,126	2,030	30,148	2,122	49,585	274	65,375	6	---	---	---	---	---	---	---	4,471
45 to 49	---	---	12	---	31	23,979	2,063	35,394	2,318	58,090	884	84,060	833	114,303	15	---	---	---	---	---	6,156
50 to 54	---	---	4	---	35	26,642	1,935	39,048	2,356	66,942	909	97,593	1,934	127,786	2,393	179,288	46	168,974	---	---	9,612
55 to 59	---	---	4	---	18	---	1,473	39,979	1,815	74,255	478	112,005	601	142,526	2,036	205,601	397	221,556	1	---	6,823
60 to 64	---	---	2	---	6	---	766	39,490	877	80,988	245	124,510	142	163,857	125	207,339	149	258,005	16	---	2,328
65 to 69	---	---	1	---	2	---	173	38,572	214	83,100	66	160,538	31	186,233	12	---	20	294,897	16	---	535
70 & up	---	---	---	---	---	---	35	40,411	18	---	7	---	1	---	2	---	2	---	8	---	73
Grand Total	---		31		153		10,432		10,358		2,865		3,548		4,583		614		41		32,625

Plan Sponsor: IBM Corporation
 EIN / PN: 13-0871985/001
 Plan Name: IBM Personal Pension Plan

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Statement of Actuarial Assumptions/Methods

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

- 1. Interest Rate Basis:** January 2016 3-segment rates, applying the stabilized segment rates for the 2016 plan year.
- Rationale:** The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
- 2. Interest Rates: (reflecting corridors)**
- | | |
|--------------------------|-------|
| First Segment Rate: | 4.43% |
| Second Segment Rate: | 5.91% |
| Third Segment Rate: | 6.65% |
| Effective Interest Rate: | 5.91% |
- 3. Interest Rates: (not reflecting corridors)**
- | | |
|----------------------|-------|
| First Segment Rate: | 1.41% |
| Second Segment Rate: | 3.96% |
| Third Segment Rate: | 4.97% |
- 4. Rate Credited to PPA:** 3.5% compounded annually
- Rationale:** The plan credits interest to cash balance accounts using the average of the 1-year Treasury Constant Maturity rates for August, September, and October of the preceding year plus 1%. The long term estimate of the 1-year Treasury rate plus 1% is 3.50%, based on current conditions and future economic expectations.
- 5. Mortality:** The prescribed mortality assumption under Section 430(h)(3)(A) of the Internal Revenue Code using static tables with separate mortality rates for annuitants and non-annuitants.
- 6. Administrative Expenses:** \$151.0 million of administrative expenses were assumed to be paid from the plan. This is based on the actual plan related expenses during the prior year.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Statement of Actuarial Assumptions/Methods

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

7. Withdrawal:

Rates developed based on actual IBM experience. The following figures show the assumed probabilities at illustrative ages:

<u>Age</u>	<u>Rate</u>
25	0.16078
30	0.12231
35	0.10731
40	0.07759
45	0.04528
50	0.01017
55	0.00000

A minimum withdrawal rate of 4% applies except where retirement decrements are applicable.

Assumed age for commencement of benefits for current terminated vested participants as of the valuation date

PPA formula:

<u>Age</u>	<u>Rate</u>
50	0.5
55	0.5
60	0.5
65	1.0

Prior plan formula:

- Less than 15 years of service at termination: Age 65
- 15 or more years of service at termination and terminated after 1999: Age 55
- 15 or more years of service at termination and terminated before 2000: Age 60

Assumed age for commencement of benefits for current active participants

PPA formula:

- 40% Immediate upon termination of employment
- 60% Deferred to age 60

Prior plan formula:

- Immediate upon termination of employment

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Statement of Actuarial Assumptions/Methods

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

Rationale:

Assumptions were selected by IBM Corporation and represent a best estimate of future experience with periodic monitoring of observed gains and losses caused by withdrawal patterns different from assumed.

8. Disability:

Rates of disablement were assumed equal to 50% of the rates in the 1987 Society of Actuaries Study based on 6 months of elimination.

Rationale:

Disability incidence rates are based on a published table with subsequent modification to reflect observed disability patterns different than assumed.

9. CPI:

2.5% per year

Rationale:

The CPI assumption was selected by IBM Corporation based on current market conditions at the measurement date.

10. Retirement:

Rates developed based on actual IBM experience. The following figures show the assumed probabilities at illustrative ages:

<u>Age</u>	<u>Probability</u>	<u>Age</u>	<u>Probability</u>
47	0.090	64	0.135
50	0.090	65	0.495
55	0.105	66	0.235
60	0.120	67	0.215
61	0.110	68	0.170
62	0.150	69	0.170
63	0.130	70	1.000

Rationale:

Retirement rates are based on an experience study conducted in 2011, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

11. Salary Increases:

N/A

12. Marriage Assumption:

75% of active and deferred vested participants are assumed to have eligible spouses. Spouses are assumed to be the same age as the participant.

Rationale:

Assumptions were selected by IBM Corporation and represent a best estimate of future experience with periodic monitoring of observed gains and losses caused by information different from assumed.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Statement of Actuarial Assumptions/Methods

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

- 13. Asset Valuation:** Valuation Assets are equal to the market value of assets as of the valuation date plus the discounted present value of contributions for the prior plan year expected to be made after the valuation date at the prior plan year effective PPA interest rate.
- 14. Funding Target Methodology:** The Funding Target as of January 1, 2016 was based on the January 2016 3-segment rates, applying the stabilized segment interest rate corridors for the 2016 plan year, and the IRS-prescribed PPA static mortality tables.
- 15. Form of Payment:**
- Participants covered under the prior plan formula are assumed to elect single life annuities.
- Participants covered under the PPA formula are assumed to elect a lump sum form of payment. The lump sum benefits are not less than the present value of the prior plan protected benefit. If the participant is eligible for enhanced annuities (as defined in Appendix B, PPA formula, Section 5.b.) or the actuarial value of the prior plan protected annuity (as defined in Appendix B, PPA formula, Section 6.b.) is greater than the lump sum, 30% are assumed to elect the single life annuity form of payment and 70% are assumed to elect the lump sum form of payment. The single life annuity payable is not less than the prior plan protected annuity.
- Rationale:** The percentage of participants assumed to take lump sums is based on an experience study conducted in 2011, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.
- 16. Valuation Date:** First day of the plan year.
- 17. Employees / Inclusion Date:** It was assumed that there will be no new or rehired employees. Participant data as of the valuation date was supplied by IBM or organizations designated by IBM. Employees were included on the valuation date coincident with or next following the date of participation.
- 18. Benefits not Included in Valuation:** To the best of our knowledge, all significant plan provisions have been included in the valuation.

SCHEDULE OF REPORTABLE TRANSACTIONS

Schedule H, Line 4j

PLAN NAME: IBM PERSONAL PENSION PLAN

EIN: 13-0871985

PLAN NUMBER: 001

The Schedule H, line 4j -- Schedule of Reportable Transactions is included in the attachment titled ACCOUNTANT'S OPINION AND FINANCIAL STATEMENTS.

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue ServiceDepartment of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

**Single-Employer Defined Benefit Plan
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2016**This Form is Open to Public
Inspection**

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

▶ **Round off amounts to nearest dollar.**▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan IBM PERSONAL PENSION PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF INTERNATIONAL BUSINESS MACHINES CORPORATION	D Employer Identification Number (EIN) 13-0871985
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I Basic Information

1 Enter the valuation date: Month 01 Day 01 Year 2016			
2 Assets:			
a Market value.....	2a	51,715,904,208	
b Actuarial value.....	2b	51,715,904,208	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment.....	171,574	31,319,578,260	31,319,578,260
b For terminated vested participants.....	75,969	4,242,437,363	4,242,437,363
c For active participants.....	40,266	5,130,457,872	5,130,457,872
d Total.....	287,809	40,692,473,495	40,692,473,495
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions.....	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor.....	4b		
5 Effective interest rate.....	5	5.91%	
6 Target normal cost.....	6	151,040,059	

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

**SIGN
HERE**

ALYSON J. SCHEFKIND

AJS

Signature of actuary

9/11/2017

Date

1708379

Type or print name of actuary

ALYSON J. SCHEFKIND

Most recent enrollment number

TOWERS WATSON DELAWARE INC.

212-309-3402

Firm name

Telephone number (including area code)

335 MADISON AVE.

NEW YORK NY 10017

Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐**For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.****Schedule SB (Form 5500) 2016
v. 160205**

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	14,000,606,129	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8).....	14,000,606,129	0
10 Interest on line 9 using prior year's actual return of <u>-0.73%</u>	-102,204,425	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year).....		0
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.12%</u>		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		0
d Portion of (c) to be added to prefunding balance.....		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12).....	13,898,401,704	0

Part III Funding Percentages

14 Funding target attainment percentage	14	92.93%
15 Adjusted funding target attainment percentage.....	15	127.08%
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	136.39%
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ►			18(b)	0	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years.....	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	19c	0

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year?..... ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost**21** Discount rate:**a** Segment rates:1st segment:
4.43 %2nd segment:
5.91 %3rd segment:
6.65 %☐ N/A, full yield curve used**b** Applicable month (enter code) **21b** 0**22** Weighted average retirement age **22** 61**23** Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute**Part VI Miscellaneous Items****24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment ☐ Yes ☒ No**25** Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment ☐ Yes ☒ No**26** Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment ☒ Yes ☐ No**27** If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment **27****Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years****28** Unpaid minimum required contributions for all prior years **28** 0**29** Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a) **29** 0**30** Remaining amount of unpaid minimum required contributions (line 28 minus line 29) **30** 0**Part VIII Minimum Required Contribution For Current Year****31** Target normal cost and excess assets (see instructions):**a** Target normal cost (line 6) **31a** 151,040,059**b** Excess assets, if applicable, but not greater than line 31a **31b** 0

32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment.....	0	0
b Waiver amortization installment.....	0	0

33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount **33** 0**34** Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)..... **34** 151,040,059

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	151,040,059	0	151,040,059

36 Additional cash requirement (line 34 minus line 35)..... **36** 0**37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)..... **37** 0**38** Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36) **38a** 0**b** Portion included in line 38a attributable to use of prefunding and funding standard carryover balances **38b** 0**39** Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)..... **39** 0**40** Unpaid minimum required contributions for all years **40** 0**Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)****41** If an election was made to use PRA 2010 funding relief for this plan:**a** Schedule elected ☐ 2 plus 7 years ☐ 15 years**b** Eligible plan year(s) for which the election in line 41a was made ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011**42** Amount of acceleration adjustment **42** 0**43** Excess installment acceleration amount to be carried over to future plan years **43** 0

SCHEDULE SB (Form 5500) ATTACHMENTS

Schedule SB - Statement by Enrolled Actuary

Plan Sponsor IBM Corporation

EIN / PN 13-0871985/001

Plan Name IBM Personal Pension Plan

Valuation Date January 1, 2016

Enrolled Actuary Alyson J. Scheffkind

Enrollment Number 17-8379

The actuarial assumptions and methods, in combination, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years.

http://natct.internal.towerswatson.com/clients/602615/2017IBMValuation/Documents/ScheduleSB_IBM_Appendix 2016.docx

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Line 22 – Description of Weighted Average Retirement Age

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

The method of determining the average retirement age considers the weighted average of the percentage of employees retiring at each age. This percentage is determined by creating a hypothetical life table with retirement as the only decrement, and then computing the average retirement age for the table. Below is an example for an employee who is first eligible to retire at age 55.

(a)	(b)	(c)	(d)
<u>Age</u>	<u>Rate of Retirement</u>	<u>Percent Retiring at Age</u>	<u>Weight (a) x (c)</u>
55	10.5%	10.5%	5.78
56	8.5%	7.6%	4.26
57	8.5%	7.0%	3.97
58	8.5%	6.4%	3.69
59	9.5%	6.5%	3.84
60	12.0%	7.4%	4.47
61	11.0%	6.0%	3.66
62	15.0%	7.3%	4.52
63	13.0%	5.4%	3.38
64	13.5%	4.9%	3.10
65	49.5%	15.4%	10.00
66	23.5%	3.7%	2.43
67	21.5%	2.6%	1.73
68	17.0%	1.6%	1.09
69	17.0%	1.3%	0.92
70	100.0%	6.5%	4.55

Expected retirement age 61.40

Rounded for Schedule SB item 22 61

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Line 22 – Description of Weighted Average Retirement Age (Page 2)

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

Age-Based Rates

Age	Rate of Retirement	Age	Rate of Retirement
< 47	0.0%	59	9.5%
47	9.0%	60	12.0%
48	9.0%	61	11.0%
49	9.0%	62	15.0%
50	9.0%	63	13.0%
51	9.0%	64	13.5%
52	8.5%	65	49.5%
53	9.0%	66	23.5%
54	7.5%	67	21.5%
55	10.5%	68	17.0%
56	8.5%	69	17.0%
57	8.5%	70	100.0%
58	8.5%		

SCHEDULE OF ASSETS (ACQUIRED AND DISPOSED OF WITHIN YEAR)

Schedule H, Line 4i

PLAN NAME: IBM PERSONAL PENSION PLAN

EIN: 13-0871985

PLAN NUMBER: 001

The Schedule H, line 4i -- Schedule of Assets (Acquired and Disposed of Within Year) is included in the attachment titled ACCOUNTANT'S OPINION AND FINANCIAL STATEMENTS.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor	IBM Corporation
EIN/PN:	13-0871985/001

Effective 7/1/1999, IBM amended the Plan to provide a new benefit formula, but gave certain employees the option to continue to accrue benefits under the prior plan formulas. The prior plan formulas are referred to as the Prior Plan Formulas and employees who were eligible to elect to continue to participate under the Prior Plan Formulas are referred to as Grandfathered Employees. The new benefit formula is referred to as the Personal Pension Account (PPA) formula. In addition, those employees who were receiving benefits under MDIP or who were receiving benefits under the LTD Plan which had commenced and been in payment continuously since prior to 1995 continued to accrue benefits under the Prior Plan Formulas.

Effective 12/31/2004, the Plan was closed to employees who were hired or rehired on or after 1/1/2005 (or shortly after 1/1/2005 in the case of a Vanity Fair employee).

During 2005, the Plan was further amended to discontinue benefit accruals for all active participants effective 12/31/2007.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

Prior Plan Formulas

1. Eligibility Requirements:

Regular employees who terminated before 7/1/1999, and Grandfathered Employees.

- a. Initial Group of Grandfathered Employees – Employees as of 6/30/1999 who were within five years of retirement date as detailed below and who met the One Year of Active Employment requirement.
- b. Supplemental Group of Grandfathered Employees – Employees as of 6/30/1999 who were age 40 with at least ten years of eligibility service and who met the One Year of Active Employment requirement.

The One Year of Active Employment requirement is that an individual is either (1) a participating employee throughout the period commencing on 7/1/1998 and ending on 7/1/1999, or (2) was rehired during the period commencing on 7/1/1998 and ending on 6/30/1999, and had at least one year of benefit service (excluding any such service prior to becoming an IBM employee).

2. Retirement Dates:

- a. Normal -

The last day of the month during which the participant attains age 65 and completes at least one year of vesting service.

- b. Early -

The earliest of the last day of the month during which the participant either:

- i. attains age 55 and completes at least 15 years of eligibility service, or
- ii. attains age 62 and completes at least five years of eligibility service, or
- iii. completes 30 years of eligibility service.

- c. Disability -

Upon total and permanent disability after the completion of at least five years of vesting service.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

3. Retirement Benefits:

a. Eligible Earnings - Includes base pay (including salary reduction amounts under sections 125, 132 and 401(k) of the Code), performance bonus (formerly variable pay), executive annual incentive pay, overtime, shift premium, regular Sickness & Accident Income Plan payments, holiday pay, payments for vacation taken and commissions. Effective 1/1/2000, on target earnings replaced commissions (effective 7/1/1999 for commissioned executives).

b. Retirement Benefits - The retirement benefit is the greater of (i) the benefit under the Pension Credit Formula and (ii) the sum of the Core Retirement Transition Formulas benefit and the Personal Retirement Provision (PRP) benefit.

c. Normal - (i) **Pension Credit Formula Benefit:** is equal to $[(1) \times (2) + (3) \times (4)]$ divided by (5). Effective 12/31/2007, amounts determined under items (1) through (4) were frozen.

(1) **Base Point Value:** Total points for career divided by 100 based on age from the following table:

Age	Base Points Earned Each Year
<30	7
30-34	9
35-39	12
40-44	15
≥45	16

Maximum Base Points = 425

(2) **Five Year Average Earnings:**
Greater of the average of the final 60 months of earnings and the average of the highest consecutive five calendar years of earnings. Only earnings after 12/31/1994 are considered.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

(3) **Excess Point Value:**

Total points for career divided by 100 based on age from the following table:

Age	Excess Points Earned Each Year
<30	0
30-34	1
35-44	2
≥45	3

Maximum Excess Points = 75

(4) **Five Year Average Earnings Exceeding Social Security Covered Compensation:** The excess of (2) over the Social Security covered compensation based on year of birth.

(5) **Annuity Conversion Factor:**

If employed until 65 and commence prior to 1/1/2008:
Age 65 factor = 10.918.

If employed until 65 and commence after 12/31/2007:
Benefits are converted to annuities based on age at 12/31/2007 and age at benefit commencement. Illustrative factors for commencement at age 65 are shown below:

Age 12/31/2007	Conversion Factor
45	7.017
50	8.537
55	10.387
60	10.649
64	10.864

(ii) **Core Retirement Transition Formulas:** All benefits determined in this subsection were frozen on 12/31/2000 with no additional accruals after that date. Service and earnings after 12/31/2000 are not considered.

The benefit is equal to the greatest of the benefit under the service and earnings benefit formula, the minimum benefit formula and the final 10-year benefit formula, as described in items (1) through (3) below:

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor	IBM Corporation
EIN/PN:	13-0871985/001

- (1) **Service and Earnings Benefit:** 1.35% of the greater of the average of the final 60 months of earnings as of 12/31/2000 and the average of the highest five consecutive calendar years of earnings multiplied by years of benefit service. Benefit service is limited to the greater of:

- (a) Benefit service as of 12/31/1993
- (b) 30 years

The service and earnings benefit formula includes each prior version of the formula, including 1.35% times final 60-month average earnings as of 12/31/1996 times benefit service as of 12/31/1996, plus 1.35% times earnings thereafter.

- (2) **Minimum Benefit:** 1.43% of the greater of the average of the final 36 months of earnings as of 12/31/2000 and the average of the highest three consecutive calendar years of earnings, multiplied by years of benefit service less 1.43% of estimated Social Security benefit, multiplied by years of benefit service. Benefit service is limited to the greater of:

- (a) Benefit service as of 12/31/1993
- (b) 30 years

The minimum benefit formula includes each prior version of the formula, including 1.43% times final 36-month average earnings as of 12/31/1996 times benefit service as of 12/31/1996 minus 1.43% times estimated Social Security benefit as of 12/31/1996, times benefit service as of 12/31/1996, plus 1.35% times earnings thereafter.

- (3) **Final 10-Year Benefit:** For employees on board prior to 1/31/1991, 1.5% of the average of the final ten years of earnings as of 12/31/1994 multiplied by benefit service as of 12/31/1994 plus 1.5% of pay after 12/31/1994.

The final 10-year benefit formula includes each prior version of the formula, including 1.5% times final 10-year average earnings as of 12/31/1993, plus 1.5% times earnings thereafter.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

- (iii) **Personal Retirement Provision:** Each year, a percentage of pay was credited to the PRP account. On 1/31/1991, a 5% allocation was made. This was followed by an allocation at the end of each calendar year of 1% in 1992, 2% in 1993 and 2% in 1994. Upon allocation, the benefit was immediately vested. Commencing 1/1/1995, this account is being credited with interest at a 4% annual rate; no further allocations have been made. The PRP is payable as a lump sum or an annuity. At a participant's normal retirement date, the PRP account is converted to an immediate annual single life annuity by dividing by 7.5.

d. Early -

- (i) **Pension Credit Formula:** The benefit as calculated in 3.c.(ii) above, based on accumulated points and final average earnings as of date of early retirement (or 12/31/2007 if earlier), converted to an annuity by replacing item 3.c.(i)(5) above with the annuity conversion factors from the following tables:

If terminating prior to 12/31/2007, the immediate benefit conversion factors are as follows:

Retirement Benefit Conversion Factors

Retirement Age	Conversion Factor
≤50	13.648
51	13.315
52	12.998
53	12.695
54	12.407
55	12.131
56	11.867
57	11.615
58	11.373
59	11.141
60 and older	10.918

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor IBM Corporation
EIN/PN: 13-0871985/001

If terminating after 12/31/2007, benefits are converted to annuities based on age at 12/31/2007 and age at benefit commencement. Illustrative factors are shown below:

Age at <u>12/31/2007</u>	Age at Benefit Commencement	
	Age 55	Age 60
50	9.971	8.753
51	10.370	9.103
52	10.784	9.467
53	11.216	9.846
54	11.664	10.240
55	12.131	10.649
56	N/A	10.702
57	N/A	10.756
58	N/A	10.810
59	N/A	10.864
60	N/A	10.918

(ii) **Core Retirement Transition Formulas:** The benefit as calculated in 3.c.(ii) above, reduced 2% for each year benefit commencement precedes the earlier of the date the participant would have attained age 60 or the date the participant would have completed 30 years of eligibility service if the participant had continued to be employed.

(iii) **Personal Retirement Provision:** The benefit as calculated in 3.c.(iii) above, with interest to date of early retirement. The PRP is payable as a lump sum or an annuity. The PRP balance is converted to an immediate annual single life annuity by dividing by 7.5.

e. Late -

(i) **Pension Credit Formula: Before 1/1/2008,** the smaller of (a) the benefit as calculated in 3.c.(i) above, based on the accumulated points and final average earnings as of the date of late retirement (or 12/31/2007 if earlier), increased actuarially from the normal retirement date to the late retirement date (or 12/31/2007 if earlier) and converted to an annuity based on the age 65 benefit conversion factor and (b) the benefit as calculated in 3.c.(i) above based on 425 base points, 75 excess points and final average earnings as of the date of late retirement (or 12/31/2007 if earlier), and converted to an annuity based on the age 65 benefit conversion factor.

After 12/31/2007, participants are eligible for a Modified Increased PCF benefit. The Modified Increased PCF benefit is the smaller of (a) benefit determined using points, final average earnings and Social Security Covered Compensation as of 12/31/2007, actuarially increased from Normal Retirement Date

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor	IBM Corporation
EIN/PN:	13-0871985/001

to the Notional Service End Date, and converted to an annuity based on the age 65 benefit conversion factor and (b) the benefit as calculated in 3.c.(i) above based on 425 base points, 75 excess points and final average earnings and Social Security Covered Compensation as of 12/31/2007, and converted to an annuity based on the age 65 benefit conversion factor.

The Notional Service End Date is the earlier of (a) the last day of the month preceding the month in which the base points would first equal or exceed 425 and excess points would first equal or exceed 75 had benefit accruals not been discontinued as of 12/31/2007, and (b) the last day of the month coincident with or next following date of termination.

- (ii) **Core Retirement Transition Formulas:** The benefit as calculated in 3.c.(ii) above.
- (iii) **Personal Retirement Provision:** The benefit as calculated in 3.c.(iii) above, with interest to date of late retirement. The PRP is payable as a lump sum or an annuity. The PRP balance is converted to an immediate annual single life annuity by dividing by 7.5.
- (iv) **Post Age 70½ Actuarial Increase:** A participant's benefit will be actuarially increased from the April 1 of the calendar year following the calendar year in which the participant attains age 70½ until the benefit commencement date to the extent accruals or other actuarial increases are not provided.
- (i) **Pension Credit Formula:** For participants who become disabled after 12/31/1994 and before 1/1/2008, the benefit as calculated in 3.c.(i) above based on points projected to the earlier of date of retirement and the later of age 65 or five years after the last day of active service. Pay is imputed at a constant rate from last day of active service credit.

f. Disability -

For participants who become disabled after 12/31/2007, the benefits are frozen as of 12/31/2007.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor IBM Corporation
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(ii) **Core Retirement Transition Formulas:** For participants who became disabled after 12/31/1994, the benefit as calculated in 3.c.(ii) above, based on benefit service projected to the earlier of date of retirement and the later of age 65 or five years after the last day of active service, but no later than 12/31/2000. For participants who became disabled before 1/1/1995, the benefit as calculated in 3.c.(ii) above except that service may be projected after 12/31/2000. Pay is imputed at a constant rate from the last day of active service credit.

(iii) **Personal Retirement Provision:** The benefit as calculated in 3.c.(iii) above, with interest to date of benefit commencement. The PRP is payable as a lump sum or an annuity at retirement.

g. Termination -

(i) **Pension Credit Formula:** After completion of five years of vesting service (or if the participant is employed on 12/31/2007), the benefit as calculated in 3.c.(i) above, based on accumulated points and final average earnings as of date of termination (or 12/31/2007 if earlier). The benefit is payable immediately on termination or as a deferred benefit commencing at age 65 or, if the employee has at least five years of eligibility service, between ages 62 and 65, or, if the employee has at least 15 years of eligibility service, between ages 55 and 65. Benefits are converted to annuities based on age at termination (or 12/31/2007 if earlier) and age at which benefits commence. Illustrative factors are shown below:

If terminating prior to 1/1/2008:

Vested Rights Benefit Conversion Factors			
Termination Age	Conversion Factor for Immediate Commencement	Conversion Factor for Deferred Benefit at	
		Age 55	Age 65
40	19.225	7.939	5.498
45	18.216	10.133	7.017
50	16.660	12.328	8.537
55	14.999	14.999	10.387
60	12.950	N/A	10.649

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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If terminating after 12/31/2007:

Benefits are converted to annuities based on age at 12/31/2007 and age at benefit commencement.

Vested Rights Benefit Conversion Factors			
Age as of 12/31/2007	Conversion Factor for Deferred Benefit at		
	Age 40	Age 55	Age 65
40	19.225	7.939	5.498
45	N/A	10.133	7.017
50	N/A	12.328	8.537
55	N/A	14.999	10.387
60	N/A	N/A	10.649

- (ii) **Core Retirement Transition Formulas:** After completion of five years of vesting service, the benefit as calculated in 3.c.(ii) above. The benefit is payable immediately on termination or as a deferred benefit commencing between ages 62 and 65 in an actuarially reduced amount from age 65, or, if the employee has at least 15 years of eligibility service, between ages 55 and 65, reduced 3% per year for each year benefit commencement precedes age 65.
- (iii) **Personal Retirement Provision:** The benefit as calculated in 3.c.(iii) above, with interest to date of benefit commencement. The PRP benefit is payable as an immediate lump sum on termination, an immediate annuity on termination, or as a deferred annuity between ages 55 and 65 if the employee has at least 15 years of eligibility service, between ages 62 and 65 if the employees has at least five years of eligibility service, or at age 65.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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If the benefit commencement date precedes normal retirement date, the benefit is converted to an annuity based on age at benefit commencement date. Illustrative factors are shown below:

PRP Annuity Conversion Factors
Benefit Payable Prior to Age 65

Age at Commencement	Factor
35	18.6941
40	15.6696
45	13.3525
50	11.5017
55	9.9707
60	8.6613
62	8.1820

h. Bridge Leave -

If a participant is permanently laid off or terminated because of a divestiture on or after July 1, 2001, is within one year of his or her early retirement date or normal retirement date as of the date of the permanent lay off or termination, and meets certain other conditions, the participant will be treated as a regular employee until the last day of the bridge leave for purposes of determining eligibility for early retirement or normal retirement and for purposes of determining the reductions for early commencement.

4. Pre-Retirement Spouse Survivor Benefits:

a. Eligibility -

If a participant dies and is entitled to an immediate or deferred vested benefit, the participant's surviving spouse or domestic partner is entitled to receive a pre-retirement spouse survivor benefit.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

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b. Benefit -

The pre-retirement spouse survivor benefit payable to the surviving spouse or domestic partner is a single life annuity equal to the greater of (i) 50% of the Pension Credit Formula benefit that would be payable to the participant if the participant had elected a regular 50% Joint and Survivor annuity immediately before his or her death (or immediately before the benefit commencement date for the pre-retirement survivor benefit if the benefit is deferred), and (ii) 50% of the Core benefit that would be payable to the participant if the participant had elected a regular 50% Joint and Survivor annuity immediately before his or her death (or immediately before the benefit commencement date for the pre-retirement survivor benefit if the benefit is deferred), plus 100% of an annuity derived from the PRP balance, where the annuity factor is based on the age the participant would have been on the benefit commencement date for the pre-retirement survivor benefit.

Regardless of which is greater, the surviving spouse or domestic partner may elect to receive the PRP balance as an immediate lump sum if the participant was a regular employee at death, and receive the residual as a single life annuity. The benefit commencement date for the pre-retirement survivor benefit may be the first day of the month following the participant's death, if the participant was a regular employee on his or her date of death, or the first day of any month between the participant's early retirement date and normal retirement date. However, if the pre-retirement survivor benefit is paid to a domestic partner, the benefit commencement date may not be later than the first anniversary of the participant's date of death.

5. Pre-Retirement Non-Spouse Survivor Benefits:

a. Eligibility -

If a participant dies, has no surviving spouse or domestic partner, is a regular employee on his or her date of death and has not commenced benefits under the plan, a pre-retirement non-spouse survivor benefit is payable.

b. Benefit -

The pre-retirement non-spouse survivor benefit payable is an immediate lump sum equal to 100% of the PRP balance.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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6. Optional Forms of Payment:

Unless stated otherwise, the provisions described above determine the benefits that are payable as a single life annuity. If a form of payment other than a single life annuity is paid, the single life annuity is converted to the other form of payment based on 8% interest and the UP-1984 Mortality Table, with a 3-year setback for participants and a 6-year setback for joint annuitants.

Unless elected otherwise, benefits are payable as a single life annuity or as a 50% Joint and Survivor annuity, if married. If elected, benefits may be paid in a single life annuity form, a regular Joint and Survivor annuity form, a restore Joint and Survivor annuity form, a Social Security leveling form (if eligible for early retirement at date of termination), or a special Annuity/Lump Sum form (if employed on 7/1/1999).

The Joint and Survivor annuity continuation percentage (regular and restore) may be any percentage, in increments of 1%, between 1% and 100%. The leveling option allows leveling of the benefit that would be paid to the participant to any integer age between age 62 and Social Security Normal Retirement Age. The leveling option is not available on the PRP benefit.

Personal Pension Account (PPA) Formula

1. Eligibility Requirements:

Employees as of 6/30/1999 who were given the option to elect to accrue benefits under the Prior Plan Formulas or under the PPA formula and who elected the PPA formula, or employees who elected to accrue benefits under the Prior Plan Formulas and were rehired after 6/30/1999.

Employees hired prior to 7/1/1999 who were not given that option.

Employees hired on or after 7/1/1999, after the completion of one year of participation service.

2. Eligible Earnings:

Includes base pay (including salary reduction amounts under sections 125, 132 and 401(k) of the Code), performance bonus (formerly variable pay), executive annual incentive pay, overtime, shift premium, regular Sickness & Accident Income Plan payments, holiday pay, payments for vacation taken and commissions. Effective 1/1/2000, on target earnings replaced commissions (effective 7/1/1999 for commissioned executives).

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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3. Termination Benefits:

The benefit payable to a participant who separates from service after becoming vested (i.e., the completion of three years of vesting service (five years of vesting service if terminated before 2008), employment on or after normal retirement age or employment on 12/31/2007), is either:

- (i) The ongoing account balance (or portion thereof), or
- (ii) The ongoing account balance (or portion thereof) converted to an immediate annuity,

subject to the protections described in subsection 6 below.

4. Ongoing Account Balance:

The ongoing account balance is the sum of (i), (ii) and (iii):

- (i) Opening Account Balance: The greater of the Basic Opening Account Balance and the Enhanced Opening Account Balance, if eligible.
- (ii) Total Pay Credits: The sum of Base Pay Credits plus Transition Pay Credits, if eligible. Base Pay Credits and Transition Pay Credits are not credited after 12/31/2007.
- (iii) Interest credits.

a. Basic Opening Account Balance -

The greater of:

- (i) Present value as of 6/30/1999 of the age-65 Core Retirement Transition Formulas benefit accrued as of 6/30/1999 plus the PRP balance as of 6/30/1999.
- (ii) Present value as of 6/30/1999 of the age-65 Pension Credit Formula benefit accrued as of 6/30/1999.

Present values are determined using a 6% interest rate and the mortality table described in Rev.Rul. 95-6.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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- b. Enhanced Opening Account Balance - Only available to employees who meet the One Year of Active Employment requirement.
- The Enhanced Opening Account Balance is 5% multiplied by five-year average earnings as of 6/30/1999 multiplied by benefit service as of 6/30/1999.
- The One Year of Active Employment requirement is that an individual is either (1) a participating employee throughout the period commencing on 7/1/1998 and ending on 7/1/1999, or (2) was rehired during the period commencing on 7/1/1998 and ending on 6/30/1999, had at least one year of benefit service (excluding any such service prior to becoming an IBM employee), and was a participating employee throughout the period commencing on 6/30/1999 and ending on 9/3/1999.
- c. Base Pay Credits - Base Pay Credits are 5% multiplied by monthly earnings. Base Pay Credits are credited beginning 7/31/1999, or the last day of the month in which the employee meets the eligibility requirements, and ending on the last day of the month which contains the separation from service date (or 12/31/2007 if earlier).
- d. Transition Pay Credits - Transition Pay Credits are the Transition Pay Credit Rate multiplied by monthly earnings. Transition Pay Credits are credited beginning 7/31/1999 and ending on the earliest of the end of the month which contains the first separation from service after 6/30/1999, the 30-year anniversary of benefit service or 12/31/2007.
- Transition Pay Credits are available to participants who have met the One Year of Active Employment requirement and who had attained age 40 on 6/30/1999 or attained an age (in years and completed months) and completed eligibility service (in years and completed months) that, when combined, equaled at least 50 years as of 6/30/1999.
- e. Transition Pay Credit Rate - Transition Pay Credit Rate is determined based on age and eligibility service as of 6/30/1999.

<u>Age + Eligibility Service as of 6/30/1999</u>	<u>Fixed Rate</u>
≥65	4%
60 – 64	3%
55 – 59	2%
≤54	1%

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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Age and eligibility service are determined in years and completed months.

The Transition Pay Credit Rate does not change from the rate in effect on 7/1/1999.

f. Interest Credits -

Interest is credited to the account until the date of distribution. Prior to 2002, the interest crediting rate for a calendar year was 1% plus the average of the one-year Treasury Bill rates (secondary market) for August, September and October of the preceding year. After 2001, the interest crediting rate for a calendar year is 1% plus the average of the one-year Treasury Constant Maturity rates for August, September and October of the preceding year.

5. Ongoing Account Balance Payable as Annuity:

a. Regular Annuity -

The ongoing account balance is converted to an equivalent single life annuity using the applicable interest rate and mortality table.

For benefit commencement dates after 2002 and before 2010, the applicable interest rate is the average of the 30-year Treasury rates for August, September and October immediately preceding the year of distribution. The applicable mortality table is the mortality table described in Rev. Rul. 2001-62. For benefit commencement dates after 2009, the applicable interest rate is the average of the 3-segment interest rates (including the phase in rates) for August, September and October immediately preceding the year of distribution. The applicable mortality table is the mortality table described in section 417(e) of the Code, as initially described in Rev. Rul. 2007-67.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

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b. Enhanced Annuity -

In order to be eligible for an enhanced annuity, a participant must be eligible for Transition Pay Credits and must first separate from service after 6/30/1999 after meeting one of the following Prior Plan Formulas retirement-eligible conditions:

- i. Any age with at least 30 years of eligibility service or
- ii. Age 55 with at least 15 years of eligibility service, or
- iii. Age 62 with at least five years of eligibility service.

The enhanced annuity is determined by converting the ongoing account balance to an equivalent single life annuity using the applicable enhanced annuity factor. The annuity cannot be greater than the projected age 65 annuity.

The applicable enhanced annuity factor depends on the age of the participant at benefit commencement and the length of time from 6/30/1999 to early retirement date (under the Prior Plan Formulas). The applicable enhanced annuity factor is based on the applicable mortality table and the following interest rates instead of the applicable interest rate(s).

Years from Early Retirement Date as of 6/30/1999	Age on Benefit Commencement Date									
	55 and less	56	57	58	59	60	61	62	63	64
6.000 or fewer	11.3%	11.2%	11.0%	10.9%	10.7%	10.6%	10.3%	9.9%	9.1%	8.1%
6.001 to 7.000	11.0%	10.9%	10.7%	10.6%	10.4%	10.3%	10.0%	9.6%	8.8%	7.9%
7.001 to 8.000	10.6%	10.5%	10.3%	10.2%	10.1%	10.0%	9.7%	9.3%	8.6%	7.6%
8.001 to 9.000	10.3%	10.2%	10.0%	9.9%	9.7%	9.6%	9.4%	9.0%	8.3%	7.4%
9.001 to 10.000	9.9%	9.9%	9.7%	9.6%	9.4%	9.3%	9.1%	8.7%	8.0%	7.1%
10.001 to 11.000	9.4%	9.3%	9.1%	9.0%	8.9%	8.8%	8.5%	8.2%	7.6%	6.7%
11.001 to 12.000	8.8%	8.7%	8.6%	8.5%	8.3%	8.3%	8.0%	7.7%	7.1%	6.3%
12.001 or more	8.2%	8.2%	8.0%	8.0%	7.8%	7.7%	7.5%	7.2%	6.6%	5.9%

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

Schedule SB, Part V – Summary of Plan Provisions

Plan Sponsor	IBM Corporation
EIN/PN:	13-0871985/001

6. Protected Benefits:

a. Lump Sums -

Lump sum benefits cannot be less than the present value as of the benefit commencement date of the single life annuity beginning at age 65 that was earned under the Prior Plan Formulas as of the protection date.

The protection date is 12/31/1999 for participants in the Initial Group of Grandfathered Employees who elected to accrue benefits under the PPA formula. The protection date is 6/30/1999 for participants in the Supplemental Group of Grandfathered Employees who elected to participate in the PPA formula and for employees hired prior to 7/1/1999 who were not given a choice between plan formulas. Other special protection dates may apply to certain employees.

For lumps sums with an annuity starting date after 2007, present values are determined using the average of the 3-segment interest rates (including the phase in rates) for August, September and October immediately preceding the year of distribution, and the mortality table described in section 417(e) of the Code, as initially described in Rev. Rul. 2007-67.

b. Annuities -

Annuity benefits cannot be less than the benefit accrued under the Prior Plan Formulas as of the protection date payable as of the benefit commencement date.

7. Disability Benefits:

a. Eligibility -

The participant is eligible for disability benefits under the IBM LTD plan, has at least five years of vesting service as of date of disability, and becomes disabled prior to 1/1/2008.

b. Benefits -

The disability benefit is based on the ongoing account balance (as defined in Section 4). However, the participant is eligible for Base Pay Credits for up to five years following the date of disability and Transition Pay Credits, if eligible, for up to five years following the date of disability but no later than the earlier of the end of the month which contains the 30-year anniversary of benefit service or 6/30/2009. Base Pay Credits and Transition Pay Credits, if any, after the date of disability are based on LTD benefits received and cease if the participant commences benefits under the Plan or recovers from disability. Interest is credited to the account until the date of distribution.

SCHEDULE SB (Form 5500) ATTACHMENTS (cont'd)

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8. Pre-Retirement Survivor Benefits:

a. Eligibility -

If a participant dies, has not commenced benefits under the plan and is entitled to an immediate or deferred vested benefit, the surviving beneficiary is entitled to receive a pre-retirement survivor benefit. If a participant dies while an active employee without rights to a vested benefit, the surviving beneficiary is entitled to receive a pre-retirement survivor benefit.

b. Benefits -

For participants who are married or who have a domestic partner on their date of death and who have not elected a beneficiary other than the spouse or domestic partner, the pre-retirement survivor benefit is an immediate or deferred single life annuity payable to the surviving spouse or domestic partner of equivalent actuarial value to 100% of the participant's ongoing account balance (as defined in Section 4), but not less than the benefit required to be paid by law. The surviving spouse or domestic partner may elect to receive the account balance as an immediate or deferred lump sum.

For all other participants, the pre-retirement survivor benefit is 100% of the participant's ongoing account balance payable as a lump sum to the participant's beneficiary.

9. Optional Forms of Payment:

Unless stated otherwise, the provisions described above determine the benefits that are payable as a single life annuity. If a form of payment other than a single life annuity is paid, the single life annuity is converted to the other form of payment based on the applicable interest rate and the applicable mortality table described in Section 5a., but with a 2-year setback for joint annuitants.

Unless elected otherwise, benefits are payable as a single life annuity or as 50% Joint and Survivor annuity, if married. If elected, the benefits can be paid in as a lump sum, single life annuity, regular Joint and Survivor annuity, split distribution, or partial distribution.

The Joint and Survivor annuity continuation percentage may be any percentage, in increments of 10%, between 10% and 100%, and 75%.

SCHEDULE OF ASSETS (HELD AT END OF YEAR)

Schedule H, Line 4i

PLAN NAME: IBM PERSONAL PENSION PLAN

EIN: 13-0871985

PLAN NUMBER: 001

The Schedule H, line 4i -- Schedule of Assets (Held At End of Year) is included in the attachment titled ACCOUNTANT'S OPINION AND FINANCIAL STATEMENTS.