

Ticker	Security Name	Company Name	Last Trade Price	Security	Index	Primary Security Industry	Classification	Year
XTRA:AIR	Ordinary S	Airbus SE	245.84	Common	SDAX (Germany)	Industrials	Aerospace Industrials	2020
XTRA:AIR	Ordinary S	Airbus SE	245.84	Common	SDAX (Germany)	Industrials	Aerospace Industrials	2021
XTRA:AIR	Ordinary S	Airbus SE	245.84	Common	SDAX (Germany)	Industrials	Aerospace Industrials	2022
XTRA:AIR	Ordinary S	Airbus SE	245.84	Common	SDAX (Germany)	Industrials	Aerospace Industrials	2023
XTRA:AIR	Ordinary S	Airbus SE	245.84	Common	SDAX (Germany)	Industrials	Aerospace Industrials	2024
XTRA:ALV	Ordinary S	Allianz SE	411.77	Common	SDAX (Germany)	Financials	Multi-line Financials	2020
XTRA:ALV	Ordinary S	Allianz SE	411.77	Common	SDAX (Germany)	Financials	Multi-line Financials	2021
XTRA:ALV	Ordinary S	Allianz SE	411.77	Common	SDAX (Germany)	Financials	Multi-line Financials	2022
XTRA:ALV	Ordinary S	Allianz SE	411.77	Common	SDAX (Germany)	Financials	Multi-line Financials	2023
XTRA:ALV	Ordinary S	Allianz SE	411.77	Common	SDAX (Germany)	Financials	Multi-line Financials	2024
XTRA:BAS	Ordinary S	BASF SE	49.75	Common	SDAX (Germany)	Materials	Diversified Materials (Chemicals)	2020
XTRA:BAS	Ordinary S	BASF SE	49.75	Common	SDAX (Germany)	Materials	Diversified Materials (Chemicals)	2021
XTRA:BAS	Ordinary S	BASF SE	49.75	Common	SDAX (Germany)	Materials	Diversified Materials (Chemicals)	2022
XTRA:BAS	Ordinary S	BASF SE	49.75	Common	SDAX (Germany)	Materials	Diversified Materials (Chemicals)	2023
XTRA:BAS	Ordinary S	BASF SE	49.75	Common	SDAX (Germany)	Materials	Diversified Materials (Chemicals)	2024
XTRA:BAYN	Registered	Bayer Akti	31.07	Common	SDAX (Germany)	Health Care	Pharmaceutical Health Care	2020
XTRA:BAYN	Registered	Bayer Akti	31.07	Common	SDAX (Germany)	Health Care	Pharmaceutical Health Care	2021
XTRA:BAYN	Registered	Bayer Akti	31.07	Common	SDAX (Germany)	Health Care	Pharmaceutical Health Care	2022
XTRA:BAYN	Registered	Bayer Akti	31.07	Common	SDAX (Germany)	Health Care	Pharmaceutical Health Care	2023
XTRA:BAYN	Registered	Bayer Akti	31.07	Common	SDAX (Germany)	Health Care	Pharmaceutical Health Care	2024
XTRA:BMV	Ordinary S	Bayerische	94.1	Common	SDAX (Germany)	Consumer Goods	Automobile Consumer Goods	2020
XTRA:BMV	Ordinary S	Bayerische	94.1	Common	SDAX (Germany)	Consumer Goods	Automobile Consumer Goods	2021
XTRA:BMV	Ordinary S	Bayerische	94.1	Common	SDAX (Germany)	Consumer Goods	Automobile Consumer Goods	2022
XTRA:BMV	Ordinary S	Bayerische	94.1	Common	SDAX (Germany)	Consumer Goods	Automobile Consumer Goods	2023
XTRA:BMV	Ordinary S	Bayerische	94.1	Common	SDAX (Germany)	Consumer Goods	Automobile Consumer Goods	2024
XTRA:BEI	Bearer Sha	Beiersdorf	106.36	Common	SDAX (Germany)	Consumer Goods	Personal Care Consumer Goods	2020
XTRA:BEI	Bearer Sha	Beiersdorf	106.36	Common	SDAX (Germany)	Consumer Goods	Personal Care Consumer Goods	2021
XTRA:BEI	Bearer Sha	Beiersdorf	106.36	Common	SDAX (Germany)	Consumer Goods	Personal Care Consumer Goods	2022
XTRA:BEI	Bearer Sha	Beiersdorf	106.36	Common	SDAX (Germany)	Consumer Goods	Personal Care Consumer Goods	2023
XTRA:BEI	Bearer Sha	Beiersdorf	106.36	Common	SDAX (Germany)	Consumer Goods	Personal Care Consumer Goods	2024
XTRA:BNR	Ordinary R	Brenntag S	56	Common	SDAX (Germany)	Industrials	Trading Company Industrials	2020
XTRA:BNR	Ordinary R	Brenntag S	56	Common	SDAX (Germany)	Industrials	Trading Company Industrials	2021
XTRA:BNR	Ordinary R	Brenntag S	56	Common	SDAX (Germany)	Industrials	Trading Company Industrials	2022
XTRA:BNR	Ordinary R	Brenntag S	56	Common	SDAX (Germany)	Industrials	Trading Company Industrials	2023
XTRA:BNR	Ordinary R	Brenntag S	56	Common	SDAX (Germany)	Industrials	Trading Company Industrials	2024
XTRA:CBK	Ordinary S	Commerzbank AG	36.15	Common	SDAX (Germany)	Financials	Diversified Financials	2020
XTRA:CBK	Ordinary S	Commerzbank AG	36.15	Common	SDAX (Germany)	Financials	Diversified Financials	2021
XTRA:CBK	Ordinary S	Commerzbank AG	36.15	Common	SDAX (Germany)	Financials	Diversified Financials	2022
XTRA:CBK	Ordinary S	Commerzbank AG	36.15	Common	SDAX (Germany)	Financials	Diversified Financials	2023
XTRA:CBK	Ordinary S	Commerzbank AG	36.15	Common	SDAX (Germany)	Financials	Diversified Financials	2024
XTRA:CON	Common S	Continental AG	75.74	Common	SDAX (Germany)	Consumer Goods	Tires and Automotive Consumer Goods	2020
XTRA:CON	Common S	Continental AG	75.74	Common	SDAX (Germany)	Consumer Goods	Tires and Automotive Consumer Goods	2021

XTRA:CON Common SContinenta	75.74 Common SDAX (GerrConsumer Tires and Consumer	2022
XTRA:CON Common SContinenta	75.74 Common SDAX (GerrConsumer Tires and Consumer	2023
XTRA:CON Common SContinenta	75.74 Common SDAX (GerrConsumer Tires and Consumer	2024
XTRA:DTG RegisteredDaimler Tr	40.21 Common SDAX (GerrIndustrials Constructi Industrials	2020
XTRA:DTG RegisteredDaimler Tr	40.21 Common SDAX (GerrIndustrials Constructi Industrials	2021
XTRA:DTG RegisteredDaimler Tr	40.21 Common SDAX (GerrIndustrials Constructi Industrials	2022
XTRA:DTG RegisteredDaimler Tr	40.21 Common SDAX (GerrIndustrials Constructi Industrials	2023
XTRA:DTG RegisteredDaimler Tr	40.21 Common SDAX (GerrIndustrials Constructi Industrials	2024
XTRA:DBK Common SDeutsche F	36 Common SDAX (GerrFinancials DiversifiedFinancials	2020
XTRA:DBK Common SDeutsche F	36 Common SDAX (GerrFinancials DiversifiedFinancials	2021
XTRA:DBK Common SDeutsche F	36 Common SDAX (GerrFinancials DiversifiedFinancials	2022
XTRA:DBK Common SDeutsche F	36 Common SDAX (GerrFinancials DiversifiedFinancials	2023
XTRA:DBK Common SDeutsche F	36 Common SDAX (GerrFinancials DiversifiedFinancials	2024
XTRA:DB1 Ordinary SDeutsche F	254.86 Common SDAX (GerrFinancials Financial Financials	2020
XTRA:DB1 Ordinary SDeutsche F	254.86 Common SDAX (GerrFinancials Financial Financials	2021
XTRA:DB1 Ordinary SDeutsche F	254.86 Common SDAX (GerrFinancials Financial Financials	2022
XTRA:DB1 Ordinary SDeutsche F	254.86 Common SDAX (GerrFinancials Financial Financials	2023
XTRA:DB1 Ordinary SDeutsche F	254.86 Common SDAX (GerrFinancials Financial Financials	2024
XTRA:DHL RegisteredDeutsche F	45.92 Common SDAX (GerrIndustrials Air Freight Industrials	2020
XTRA:DHL RegisteredDeutsche F	45.92 Common SDAX (GerrIndustrials Air Freight Industrials	2021
XTRA:DHL RegisteredDeutsche F	45.92 Common SDAX (GerrIndustrials Air Freight Industrials	2022
XTRA:DHL RegisteredDeutsche F	45.92 Common SDAX (GerrIndustrials Air Freight Industrials	2023
XTRA:DHL RegisteredDeutsche F	45.92 Common SDAX (GerrIndustrials Air Freight Industrials	2024
XTRA:DTE Ordinary SDeutsche	31.74 Common SDAX (GerrCommunicIntegrated Communic	2020
XTRA:DTE Ordinary SDeutsche	31.74 Common SDAX (GerrCommunicIntegrated Communic	2021
XTRA:DTE Ordinary SDeutsche	31.74 Common SDAX (GerrCommunicIntegrated Communic	2022
XTRA:DTE Ordinary SDeutsche	31.74 Common SDAX (GerrCommunicIntegrated Communic	2023
XTRA:DTE Ordinary SDeutsche	31.74 Common SDAX (GerrCommunicIntegrated Communic	2024
XTRA:EOA Ordinary S E.ON SE	18.87 Common SDAX (GerrUtilities Multi-UtilitUtilities (P	2020
XTRA:EOA Ordinary S E.ON SE	18.87 Common SDAX (GerrUtilities Multi-UtilitUtilities (P	2021
XTRA:EOA Ordinary S E.ON SE	18.87 Common SDAX (GerrUtilities Multi-UtilitUtilities (P	2022
XTRA:EOA Ordinary S E.ON SE	18.87 Common SDAX (GerrUtilities Multi-UtilitUtilities (P	2023
XTRA:EOA Ordinary S E.ON SE	18.87 Common SDAX (GerrUtilities Multi-UtilitUtilities (P	2024
XTRA:FME Ordinary S Fresenius	53.9 Common SDAX (GerrHealth Car Health Car Health Car	2020
XTRA:FME Ordinary S Fresenius	53.9 Common SDAX (GerrHealth Car Health Car Health Car	2021
XTRA:FME Ordinary S Fresenius	53.9 Common SDAX (GerrHealth Car Health Car Health Car	2022
XTRA:FME Ordinary S Fresenius	53.9 Common SDAX (GerrHealth Car Health Car Health Car	2023
XTRA:FME Ordinary S Fresenius	53.9 Common SDAX (GerrHealth Car Health Car Health Car	2024
XTRA:FRE Bearer OrcFresenius	58.23 Common SDAX (GerrHealth Car Health Car Health Car	2020
XTRA:FRE Bearer OrcFresenius	58.23 Common SDAX (GerrHealth Car Health Car Health Car	2021
XTRA:FRE Bearer OrcFresenius	58.23 Common SDAX (GerrHealth Car Health Car Health Car	2022
XTRA:FRE Bearer OrcFresenius	58.23 Common SDAX (GerrHealth Car Health Car Health Car	2023
XTRA:FRE Bearer OrcFresenius	58.23 Common SDAX (GerrHealth Car Health Car Health Car	2024

XTRA:G1A Bearer ShaGEA Group	71.52 Common SDAX (Gerr	Industrials Industrial	Industrials	2020
XTRA:G1A Bearer ShaGEA Group	71.52 Common SDAX (Gerr	Industrials Industrial	Industrials	2021
XTRA:G1A Bearer ShaGEA Group	71.52 Common SDAX (Gerr	Industrials Industrial	Industrials	2022
XTRA:G1A Bearer ShaGEA Group	71.52 Common SDAX (Gerr	Industrials Industrial	Industrials	2023
XTRA:G1A Bearer ShaGEA Group	71.52 Common SDAX (Gerr	Industrials Industrial	Industrials	2024
XTRA:HNR RegisteredHannover	291.63 Common SDAX (Gerr	Financials Reinsuranc	Financials	2020
XTRA:HNR RegisteredHannover	291.63 Common SDAX (Gerr	Financials Reinsuranc	Financials	2021
XTRA:HNR RegisteredHannover	291.63 Common SDAX (Gerr	Financials Reinsuranc	Financials	2022
XTRA:HNR RegisteredHannover	291.63 Common SDAX (Gerr	Financials Reinsuranc	Financials	2023
XTRA:HNR RegisteredHannover	291.63 Common SDAX (Gerr	Financials Reinsuranc	Financials	2024
XTRA:HEI Common SHeidelberg	234.51 Common SDAX (Gerr	Materials Constructi	Materials (	2020
XTRA:HEI Common SHeidelberg	234.51 Common SDAX (Gerr	Materials Constructi	Materials (	2021
XTRA:HEI Common SHeidelberg	234.51 Common SDAX (Gerr	Materials Constructi	Materials (	2022
XTRA:HEI Common SHeidelberg	234.51 Common SDAX (Gerr	Materials Constructi	Materials (	2023
XTRA:HEI Common SHeidelberg	234.51 Common SDAX (Gerr	Materials Constructi	Materials (	2024
XTRA:HEN:Non-VotinHenkel AG	81.91 Preferred DAX (Gerr	Consumer Household	Consumer	2020
XTRA:HEN:Non-VotinHenkel AG	81.91 Preferred DAX (Gerr	Consumer Household	Consumer	2021
XTRA:HEN:Non-VotinHenkel AG	81.91 Preferred DAX (Gerr	Consumer Household	Consumer	2022
XTRA:HEN:Non-VotinHenkel AG	81.91 Preferred DAX (Gerr	Consumer Household	Consumer	2023
XTRA:HEN:Non-VotinHenkel AG	81.91 Preferred DAX (Gerr	Consumer Household	Consumer	2024
XTRA:IFX Bearer ShaInfineon T	39.81 Common SDAX (Gerr	InformatioSemicondu	Informatio	2020
XTRA:IFX Bearer ShaInfineon T	39.81 Common SDAX (Gerr	InformatioSemicondu	Informatio	2021
XTRA:IFX Bearer ShaInfineon T	39.81 Common SDAX (Gerr	InformatioSemicondu	Informatio	2022
XTRA:IFX Bearer ShaInfineon T	39.81 Common SDAX (Gerr	InformatioSemicondu	Informatio	2023
XTRA:IFX Bearer ShaInfineon T	39.81 Common SDAX (Gerr	InformatioSemicondu	Informatio	2024
XTRA:MTX RegisteredMTU Aero	438.71 Common SDAX (Gerr	Industrials Aerospace	Industrials	2020
XTRA:MTX RegisteredMTU Aero	438.71 Common SDAX (Gerr	Industrials Aerospace	Industrials	2021
XTRA:MTX RegisteredMTU Aero	438.71 Common SDAX (Gerr	Industrials Aerospace	Industrials	2022
XTRA:MTX RegisteredMTU Aero	438.71 Common SDAX (Gerr	Industrials Aerospace	Industrials	2023
XTRA:MTX RegisteredMTU Aero	438.71 Common SDAX (Gerr	Industrials Aerospace	Industrials	2024
XTRA:MBGRegisteredMercedes-	65.25 Common SDAX (Gerr	Consumer Automobil	Consumer	2020
XTRA:MBGRegisteredMercedes-	65.25 Common SDAX (Gerr	Consumer Automobil	Consumer	2021
XTRA:MBGRegisteredMercedes-	65.25 Common SDAX (Gerr	Consumer Automobil	Consumer	2022
XTRA:MBGRegisteredMercedes-	65.25 Common SDAX (Gerr	Consumer Automobil	Consumer	2023
XTRA:MBGRegisteredMercedes-	65.25 Common SDAX (Gerr	Consumer Automobil	Consumer	2024
XTRA:MRKBearer ShaMerck KGa	130.15 Common SDAX (Gerr	Health Car Pharmacei	Health Car	2020
XTRA:MRKBearer ShaMerck KGa	130.15 Common SDAX (Gerr	Health Car Pharmacei	Health Car	2021
XTRA:MRKBearer ShaMerck KGa	130.15 Common SDAX (Gerr	Health Car Pharmacei	Health Car	2022
XTRA:MRKBearer ShaMerck KGa	130.15 Common SDAX (Gerr	Health Car Pharmacei	Health Car	2023
XTRA:MRKBearer ShaMerck KGa	130.15 Common SDAX (Gerr	Health Car Pharmacei	Health Car	2024
XTRA:MUVRegisteredMünchene	632.52 Common SDAX (Gerr	Financials Reinsuranc	Financials	2020
XTRA:MUVRegisteredMünchene	632.52 Common SDAX (Gerr	Financials Reinsuranc	Financials	2021
XTRA:MUVRegisteredMünchene	632.52 Common SDAX (Gerr	Financials Reinsuranc	Financials	2022

XTRA:MUVRegisteredMünchene	632.52 Common SDAX (GerrFinancials ReinsuranFinancials	2023
XTRA:MUVRegisteredMünchene	632.52 Common SDAX (GerrFinancials ReinsuranFinancials	2024
XTRA:PAH:Preferred Porsche A	40.1 Preferred DAX (GerrConsumer Automobil Consumer	2020
XTRA:PAH:Preferred Porsche A	40.1 Preferred DAX (GerrConsumer Automobil Consumer	2021
XTRA:PAH:Preferred Porsche A	40.1 Preferred DAX (GerrConsumer Automobil Consumer	2022
XTRA:PAH:Preferred Porsche A	40.1 Preferred DAX (GerrConsumer Automobil Consumer	2023
XTRA:PAH:Preferred Porsche A	40.1 Preferred DAX (GerrConsumer Automobil Consumer	2024
XTRA:QIA Common SQiagen N.\	46.71 Common SDAX (GerrHealth Car Life Scienc Health Car	2020
XTRA:QIA Common SQiagen N.\	46.71 Common SDAX (GerrHealth Car Life Scienc Health Car	2021
XTRA:QIA Common SQiagen N.\	46.71 Common SDAX (GerrHealth Car Life Scienc Health Car	2022
XTRA:QIA Common SQiagen N.\	46.71 Common SDAX (GerrHealth Car Life Scienc Health Car	2023
XTRA:QIA Common SQiagen N.\	46.71 Common SDAX (GerrHealth Car Life Scienc Health Car	2024
XTRA:RWECommon SRWE Aktie	49.79 Common SDAX (GerrUtilities IndependeUtilities (P	2020
XTRA:RWECommon SRWE Aktie	49.79 Common SDAX (GerrUtilities IndependeUtilities (P	2021
XTRA:RWECommon SRWE Aktie	49.79 Common SDAX (GerrUtilities IndependeUtilities (P	2022
XTRA:RWECommon SRWE Aktie	49.79 Common SDAX (GerrUtilities IndependeUtilities (P	2023
XTRA:RWECommon SRWE Aktie	49.79 Common SDAX (GerrUtilities IndependeUtilities (P	2024
XTRA:RHMCommon SRheinmeta	1971.55 Common SDAX (GerrIndustrials Aerospace Industrials	2020
XTRA:RHMCommon SRheinmeta	1971.55 Common SDAX (GerrIndustrials Aerospace Industrials	2021
XTRA:RHMCommon SRheinmeta	1971.55 Common SDAX (GerrIndustrials Aerospace Industrials	2022
XTRA:RHMCommon SRheinmeta	1971.55 Common SDAX (GerrIndustrials Aerospace Industrials	2023
XTRA:RHMCommon SRheinmeta	1971.55 Common SDAX (GerrIndustrials Aerospace Industrials	2024
XTRA:SAP Ordinary SSAP SE	261.16 Common SDAX (GerrInformatioApplicatio Informatio	2020
XTRA:SAP Ordinary SSAP SE	261.16 Common SDAX (GerrInformatioApplicatio Informatio	2021
XTRA:SAP Ordinary SSAP SE	261.16 Common SDAX (GerrInformatioApplicatio Informatio	2022
XTRA:SAP Ordinary SSAP SE	261.16 Common SDAX (GerrInformatioApplicatio Informatio	2023
XTRA:SAP Ordinary SSAP SE	261.16 Common SDAX (GerrInformatioApplicatio Informatio	2024
XTRA:G24 Ordinary RScout24 SE	117.14 Common SDAX (GerrCommunicInteractiveCommunic	2020
XTRA:G24 Ordinary RScout24 SE	117.14 Common SDAX (GerrCommunicInteractiveCommunic	2021
XTRA:G24 Ordinary RScout24 SE	117.14 Common SDAX (GerrCommunicInteractiveCommunic	2022
XTRA:G24 Ordinary RScout24 SE	117.14 Common SDAX (GerrCommunicInteractiveCommunic	2023
XTRA:G24 Ordinary RScout24 SE	117.14 Common SDAX (GerrCommunicInteractiveCommunic	2024
XTRA:SIE Common SSiemens A	285.62 Common SDAX (GerrIndustrials Industrial Industrials	2020
XTRA:SIE Common SSiemens A	285.62 Common SDAX (GerrIndustrials Industrial Industrials	2021
XTRA:SIE Common SSiemens A	285.62 Common SDAX (GerrIndustrials Industrial Industrials	2022
XTRA:SIE Common SSiemens A	285.62 Common SDAX (GerrIndustrials Industrial Industrials	2023
XTRA:SIE Common SSiemens A	285.62 Common SDAX (GerrIndustrials Industrial Industrials	2024
XTRA:ENR Common SSiemens E	122.69 Common SDAX (GerrIndustrials Heavy ElecIndustrials	2020
XTRA:ENR Common SSiemens E	122.69 Common SDAX (GerrIndustrials Heavy ElecIndustrials	2021
XTRA:ENR Common SSiemens E	122.69 Common SDAX (GerrIndustrials Heavy ElecIndustrials	2022
XTRA:ENR Common SSiemens E	122.69 Common SDAX (GerrIndustrials Heavy ElecIndustrials	2023
XTRA:ENR Common SSiemens E	122.69 Common SDAX (GerrIndustrials Heavy ElecIndustrials	2024
XTRA:SHL Ordinary SSiemens H	56.34 Common SDAX (GerrHealth Car Health Car Health Car	2020

XTRA:SHL Ordinary S Siemens H	56.34 Common SDAX (GerrHealth Car Health Car Health Car	2021
XTRA:SHL Ordinary S Siemens H	56.34 Common SDAX (GerrHealth Car Health Car Health Car	2022
XTRA:SHL Ordinary S Siemens H	56.34 Common SDAX (GerrHealth Car Health Car Health Car	2023
XTRA:SHL Ordinary S Siemens H	56.34 Common SDAX (GerrHealth Car Health Car Health Car	2024
XTRA:SY1 Common SSymrise AC	84.92 Common SDAX (GerrMaterials Specialty CMaterials (	2020
XTRA:SY1 Common SSymrise AC	84.92 Common SDAX (GerrMaterials Specialty CMaterials (	2021
XTRA:SY1 Common SSymrise AC	84.92 Common SDAX (GerrMaterials Specialty CMaterials (	2022
XTRA:SY1 Common SSymrise AC	84.92 Common SDAX (GerrMaterials Specialty CMaterials (	2023
XTRA:SY1 Common SSymrise AC	84.92 Common SDAX (GerrMaterials Specialty CMaterials (	2024
XTRA:VOWPreferred Volkswage	104.35 Preferred DAX (GerrConsumer Automobil Consumer	2020
XTRA:VOWPreferred Volkswage	104.35 Preferred DAX (GerrConsumer Automobil Consumer	2021
XTRA:VOWPreferred Volkswage	104.35 Preferred DAX (GerrConsumer Automobil Consumer	2022
XTRA:VOWPreferred Volkswage	104.35 Preferred DAX (GerrConsumer Automobil Consumer	2023
XTRA:VOWPreferred Volkswage	104.35 Preferred DAX (GerrConsumer Automobil Consumer	2024
XTRA:VNA Registered Vonovia SE	30.67 Common SDAX (GerrReal EstateReal Estat Real Estate	2020
XTRA:VNA Registered Vonovia SE	30.67 Common SDAX (GerrReal EstateReal Estat Real Estate	2021
XTRA:VNA Registered Vonovia SE	30.67 Common SDAX (GerrReal EstateReal Estat Real Estate	2022
XTRA:VNA Registered Vonovia SE	30.67 Common SDAX (GerrReal EstateReal Estat Real Estate	2023
XTRA:VNA Registered Vonovia SE	30.67 Common SDAX (GerrReal EstateReal Estat Real Estate	2024
XTRA:ZAL Ordinary B Zalando SE	28.48 Common SDAX (GerrConsumer Apparel ReConsumer	2020
XTRA:ZAL Ordinary B Zalando SE	28.48 Common SDAX (GerrConsumer Apparel ReConsumer	2021
XTRA:ZAL Ordinary B Zalando SE	28.48 Common SDAX (GerrConsumer Apparel ReConsumer	2022
XTRA:ZAL Ordinary B Zalando SE	28.48 Common SDAX (GerrConsumer Apparel ReConsumer	2023
XTRA:ZAL Ordinary B Zalando SE	28.48 Common SDAX (GerrConsumer Apparel ReConsumer	2024
XTRA:ADS Bearer Shaadidas AG	193.63 Common SDAX (GerrConsumer Apparel, A Consumer	2020
XTRA:ADS Bearer Shaadidas AG	193.63 Common SDAX (GerrConsumer Apparel, A Consumer	2021
XTRA:ADS Bearer Shaadidas AG	193.63 Common SDAX (GerrConsumer Apparel, A Consumer	2022
XTRA:ADS Bearer Shaadidas AG	193.63 Common SDAX (GerrConsumer Apparel, A Consumer	2023
XTRA:ADS Bearer Shaadidas AG	193.63 Common SDAX (GerrConsumer Apparel, A Consumer	2024
SEHK:1299 Ordinary S AIA Group	9.42 Common SHang Seng Financials Life and H Financials	2020
SEHK:1299 Ordinary S AIA Group	9.42 Common SHang Seng Financials Life and H Financials	2021
SEHK:1299 Ordinary S AIA Group	9.42 Common SHang Seng Financials Life and H Financials	2022
SEHK:1299 Ordinary S AIA Group	9.42 Common SHang Seng Financials Life and H Financials	2023
SEHK:1299 Ordinary S AIA Group	9.42 Common SHang Seng Financials Life and H Financials	2024
SEHK:2020 Ordinary S SANTA Spor	10.52 Common SHang Seng Consumer Apparel, A Consumer	2020
SEHK:2020 Ordinary S SANTA Spor	10.52 Common SHang Seng Consumer Apparel, A Consumer	2021
SEHK:2020 Ordinary S SANTA Spor	10.52 Common SHang Seng Consumer Apparel, A Consumer	2022
SEHK:2020 Ordinary S SANTA Spor	10.52 Common SHang Seng Consumer Apparel, A Consumer	2023
SEHK:2020 Ordinary S SANTA Spor	10.52 Common SHang Seng Consumer Apparel, A Consumer	2024
SEHK:9988 Ordinary S Alibaba Gr	22.15 Common SHang Seng Consumer Broadline I Consumer	2020
SEHK:9988 Ordinary S Alibaba Gr	22.15 Common SHang Seng Consumer Broadline I Consumer	2021
SEHK:9988 Ordinary S Alibaba Gr	22.15 Common SHang Seng Consumer Broadline I Consumer	2022
SEHK:9988 Ordinary S Alibaba Gr	22.15 Common SHang Seng Consumer Broadline I Consumer	2023

SEHK:9988	Ordinary S	Alibaba Gr	22.15	Common S	Hang Seng Consumer Broadline I	Consumer	2024
SEHK:241	Ordinary S	Alibaba He	0.75	Common S	Hang Seng Consumer Drug Retai	Consumer	2020
SEHK:241	Ordinary S	Alibaba He	0.75	Common S	Hang Seng Consumer Drug Retai	Consumer	2021
SEHK:241	Ordinary S	Alibaba He	0.75	Common S	Hang Seng Consumer Drug Retai	Consumer	2022
SEHK:241	Ordinary S	Alibaba He	0.75	Common S	Hang Seng Consumer Drug Retai	Consumer	2023
SEHK:241	Ordinary S	Alibaba He	0.75	Common S	Hang Seng Consumer Drug Retai	Consumer	2024
SEHK:2388	Ordinary S	BOC Hong	4.91	Common S	Hang Seng Financials Diversified	Financials	2020
SEHK:2388	Ordinary S	BOC Hong	4.91	Common S	Hang Seng Financials Diversified	Financials	2021
SEHK:2388	Ordinary S	BOC Hong	4.91	Common S	Hang Seng Financials Diversified	Financials	2022
SEHK:2388	Ordinary S	BOC Hong	4.91	Common S	Hang Seng Financials Diversified	Financials	2023
SEHK:2388	Ordinary S	BOC Hong	4.91	Common S	Hang Seng Financials Diversified	Financials	2024
SEHK:1211	Foreign Sh	BYD Comp	13.41	Common S	Hang Seng Consumer Automobil	Consumer	2020
SEHK:1211	Foreign Sh	BYD Comp	13.41	Common S	Hang Seng Consumer Automobil	Consumer	2021
SEHK:1211	Foreign Sh	BYD Comp	13.41	Common S	Hang Seng Consumer Automobil	Consumer	2022
SEHK:1211	Foreign Sh	BYD Comp	13.41	Common S	Hang Seng Consumer Automobil	Consumer	2023
SEHK:1211	Foreign Sh	BYD Comp	13.41	Common S	Hang Seng Consumer Automobil	Consumer	2024
SEHK:285	Ordinary S	BYD Electr	4.82	Common S	Hang Seng Informatio	Communicatio	2020
SEHK:285	Ordinary S	BYD Electr	4.82	Common S	Hang Seng Informatio	Communicatio	2021
SEHK:285	Ordinary S	BYD Electr	4.82	Common S	Hang Seng Informatio	Communicatio	2022
SEHK:285	Ordinary S	BYD Electr	4.82	Common S	Hang Seng Informatio	Communicatio	2023
SEHK:285	Ordinary S	BYD Electr	4.82	Common S	Hang Seng Informatio	Communicatio	2024
SEHK:9888	Class A Or	Baidu, Inc.	15.52	Common S	Hang Seng Communic	Interactive	2020
SEHK:9888	Class A Or	Baidu, Inc.	15.52	Common S	Hang Seng Communic	Interactive	2021
SEHK:9888	Class A Or	Baidu, Inc.	15.52	Common S	Hang Seng Communic	Interactive	2022
SEHK:9888	Class A Or	Baidu, Inc.	15.52	Common S	Hang Seng Communic	Interactive	2023
SEHK:9888	Class A Or	Baidu, Inc.	15.52	Common S	Hang Seng Communic	Interactive	2024
SEHK:3988	Foreign Sh	Bank of Ch	0.57	Common S	Hang Seng Financials Diversified	Financials	2020
SEHK:3988	Foreign Sh	Bank of Ch	0.57	Common S	Hang Seng Financials Diversified	Financials	2021
SEHK:3988	Foreign Sh	Bank of Ch	0.57	Common S	Hang Seng Financials Diversified	Financials	2022
SEHK:3988	Foreign Sh	Bank of Ch	0.57	Common S	Hang Seng Financials Diversified	Financials	2023
SEHK:3988	Foreign Sh	Bank of Ch	0.57	Common S	Hang Seng Financials Diversified	Financials	2024
SEHK:1876	Ordinary S	Budweiser	1.03	Common S	Hang Seng Consumer Brewers	Consumer	2020
SEHK:1876	Ordinary S	Budweiser	1.03	Common S	Hang Seng Consumer Brewers	Consumer	2021
SEHK:1876	Ordinary S	Budweiser	1.03	Common S	Hang Seng Consumer Brewers	Consumer	2022
SEHK:1876	Ordinary S	Budweiser	1.03	Common S	Hang Seng Consumer Brewers	Consumer	2023
SEHK:1876	Ordinary S	Budweiser	1.03	Common S	Hang Seng Consumer Brewers	Consumer	2024
SEHK:267	Ordinary S	CITIC Limit	1.57	Common S	Hang Seng Industrials Industrial	Industrials	2020
SEHK:267	Ordinary S	CITIC Limit	1.57	Common S	Hang Seng Industrials Industrial	Industrials	2021
SEHK:267	Ordinary S	CITIC Limit	1.57	Common S	Hang Seng Industrials Industrial	Industrials	2022
SEHK:267	Ordinary S	CITIC Limit	1.57	Common S	Hang Seng Industrials Industrial	Industrials	2023
SEHK:267	Ordinary S	CITIC Limit	1.57	Common S	Hang Seng Industrials Industrial	Industrials	2024
SEHK:1113	Ordinary S	CK Asset H	4.94	Common S	Hang Seng Real Estate	Real Estat	2020
SEHK:1113	Ordinary S	CK Asset H	4.94	Common S	Hang Seng Real Estate	Real Estat	2021

SEHK:1113	Ordinary S CK Asset H	4.94	Common SHang Seng Real Estate	Real Estat	Real Estate	2022
SEHK:1113	Ordinary S CK Asset H	4.94	Common SHang Seng Real Estate	Real Estat	Real Estate	2023
SEHK:1113	Ordinary S CK Asset H	4.94	Common SHang Seng Real Estate	Real Estat	Real Estate	2024
SEHK:1	Ordinary S CK Hutchis	6.62	Common SHang Seng Industrials	Industrial	Industrials	2020
SEHK:1	Ordinary S CK Hutchis	6.62	Common SHang Seng Industrials	Industrial	Industrials	2021
SEHK:1	Ordinary S CK Hutchis	6.62	Common SHang Seng Industrials	Industrial	Industrials	2022
SEHK:1	Ordinary S CK Hutchis	6.62	Common SHang Seng Industrials	Industrial	Industrials	2023
SEHK:1	Ordinary S CK Hutchis	6.62	Common SHang Seng Industrials	Industrial	Industrials	2024
SEHK:1038	Ordinary S CK Infrastr	6.56	Common SHang Seng Utilities	Electric Uti	Utilities (P	2020
SEHK:1038	Ordinary S CK Infrastr	6.56	Common SHang Seng Utilities	Electric Uti	Utilities (P	2021
SEHK:1038	Ordinary S CK Infrastr	6.56	Common SHang Seng Utilities	Electric Uti	Utilities (P	2022
SEHK:1038	Ordinary S CK Infrastr	6.56	Common SHang Seng Utilities	Electric Uti	Utilities (P	2023
SEHK:1038	Ordinary S CK Infrastr	6.56	Common SHang Seng Utilities	Electric Uti	Utilities (P	2024
SEHK:2	Ordinary S CLP Holdin	8.51	Common SHang Seng Utilities	Electric Uti	Utilities (P	2020
SEHK:2	Ordinary S CLP Holdin	8.51	Common SHang Seng Utilities	Electric Uti	Utilities (P	2021
SEHK:2	Ordinary S CLP Holdin	8.51	Common SHang Seng Utilities	Electric Uti	Utilities (P	2022
SEHK:2	Ordinary S CLP Holdin	8.51	Common SHang Seng Utilities	Electric Uti	Utilities (P	2023
SEHK:2	Ordinary S CLP Holdin	8.51	Common SHang Seng Utilities	Electric Uti	Utilities (P	2024
SEHK:883	Foreign Sh CNOOC Lin	2.58	Common SHang Seng Energy	Oil and Ga	Energy (Pr	2020
SEHK:883	Foreign Sh CNOOC Lin	2.58	Common SHang Seng Energy	Oil and Ga	Energy (Pr	2021
SEHK:883	Foreign Sh CNOOC Lin	2.58	Common SHang Seng Energy	Oil and Ga	Energy (Pr	2022
SEHK:883	Foreign Sh CNOOC Lin	2.58	Common SHang Seng Energy	Oil and Ga	Energy (Pr	2023
SEHK:883	Foreign Sh CNOOC Lin	2.58	Common SHang Seng Energy	Oil and Ga	Energy (Pr	2024
SEHK:1093	Ordinary S CSPC Phari	0.96	Common SHang Seng Health Car	Pharmacei	Health Car	2020
SEHK:1093	Ordinary S CSPC Phari	0.96	Common SHang Seng Health Car	Pharmacei	Health Car	2021
SEHK:1093	Ordinary S CSPC Phari	0.96	Common SHang Seng Health Car	Pharmacei	Health Car	2022
SEHK:1093	Ordinary S CSPC Phari	0.96	Common SHang Seng Health Car	Pharmacei	Health Car	2023
SEHK:1093	Ordinary S CSPC Phari	0.96	Common SHang Seng Health Car	Pharmacei	Health Car	2024
SEHK:939	Foreign Sh China Cons	1.01	Common SHang Seng Financials	Diversified	Financials	2020
SEHK:939	Foreign Sh China Cons	1.01	Common SHang Seng Financials	Diversified	Financials	2021
SEHK:939	Foreign Sh China Cons	1.01	Common SHang Seng Financials	Diversified	Financials	2022
SEHK:939	Foreign Sh China Cons	1.01	Common SHang Seng Financials	Diversified	Financials	2023
SEHK:939	Foreign Sh China Cons	1.01	Common SHang Seng Financials	Diversified	Financials	2024
SEHK:1378	Ordinary S China Honi	3.85	Common SHang Seng Materials	Aluminum	Materials (	2020
SEHK:1378	Ordinary S China Honi	3.85	Common SHang Seng Materials	Aluminum	Materials (	2021
SEHK:1378	Ordinary S China Honi	3.85	Common SHang Seng Materials	Aluminum	Materials (	2022
SEHK:1378	Ordinary S China Honi	3.85	Common SHang Seng Materials	Aluminum	Materials (	2023
SEHK:1378	Ordinary S China Honi	3.85	Common SHang Seng Materials	Aluminum	Materials (	2024
SEHK:2628	Foreign Sh China Life	3.18	Common SHang Seng Financials	Life and Hc	Financials	2020
SEHK:2628	Foreign Sh China Life	3.18	Common SHang Seng Financials	Life and Hc	Financials	2021
SEHK:2628	Foreign Sh China Life	3.18	Common SHang Seng Financials	Life and Hc	Financials	2022
SEHK:2628	Foreign Sh China Life	3.18	Common SHang Seng Financials	Life and Hc	Financials	2023
SEHK:2628	Foreign Sh China Life	3.18	Common SHang Seng Financials	Life and Hc	Financials	2024

SEHK:2319 Ordinary S China Men	1.83 Common SHang Seng Consumer Packaged IConsumer	2020
SEHK:2319 Ordinary S China Men	1.83 Common SHang Seng Consumer Packaged IConsumer	2021
SEHK:2319 Ordinary S China Men	1.83 Common SHang Seng Consumer Packaged IConsumer	2022
SEHK:2319 Ordinary S China Men	1.83 Common SHang Seng Consumer Packaged IConsumer	2023
SEHK:2319 Ordinary S China Men	1.83 Common SHang Seng Consumer Packaged IConsumer	2024
SEHK:3968 Foreign Sh China Men	6.25 Common SHang Seng Financials Diversified Financials	2020
SEHK:3968 Foreign Sh China Men	6.25 Common SHang Seng Financials Diversified Financials	2021
SEHK:3968 Foreign Sh China Men	6.25 Common SHang Seng Financials Diversified Financials	2022
SEHK:3968 Foreign Sh China Men	6.25 Common SHang Seng Financials Diversified Financials	2023
SEHK:3968 Foreign Sh China Men	6.25 Common SHang Seng Financials Diversified Financials	2024
SEHK:941 Foreign Sh China Mob	11.06 Common SHang Seng CommunicWireless T Communic	2020
SEHK:941 Foreign Sh China Mob	11.06 Common SHang Seng CommunicWireless T Communic	2021
SEHK:941 Foreign Sh China Mob	11.06 Common SHang Seng CommunicWireless T Communic	2022
SEHK:941 Foreign Sh China Mob	11.06 Common SHang Seng CommunicWireless T Communic	2023
SEHK:941 Foreign Sh China Mob	11.06 Common SHang Seng CommunicWireless T Communic	2024
SEHK:688 Ordinary S China Over	1.7 Common SHang Seng Real EstateReal Estat Real Estate	2020
SEHK:688 Ordinary S China Over	1.7 Common SHang Seng Real EstateReal Estat Real Estate	2021
SEHK:688 Ordinary S China Over	1.7 Common SHang Seng Real EstateReal Estat Real Estate	2022
SEHK:688 Ordinary S China Over	1.7 Common SHang Seng Real EstateReal Estat Real Estate	2023
SEHK:688 Ordinary S China Over	1.7 Common SHang Seng Real EstateReal Estat Real Estate	2024
SEHK:386 Foreign Sh China Petr	0.53 Common SHang Seng Energy Integrated Energy (Pr	2020
SEHK:386 Foreign Sh China Petr	0.53 Common SHang Seng Energy Integrated Energy (Pr	2021
SEHK:386 Foreign Sh China Petr	0.53 Common SHang Seng Energy Integrated Energy (Pr	2022
SEHK:386 Foreign Sh China Petr	0.53 Common SHang Seng Energy Integrated Energy (Pr	2023
SEHK:386 Foreign Sh China Petr	0.53 Common SHang Seng Energy Integrated Energy (Pr	2024
SEHK:291 Ordinary S China Resc	3.41 Common SHang Seng Consumer Brewers Consumer	2020
SEHK:291 Ordinary S China Resc	3.41 Common SHang Seng Consumer Brewers Consumer	2021
SEHK:291 Ordinary S China Resc	3.41 Common SHang Seng Consumer Brewers Consumer	2022
SEHK:291 Ordinary S China Resc	3.41 Common SHang Seng Consumer Brewers Consumer	2023
SEHK:291 Ordinary S China Resc	3.41 Common SHang Seng Consumer Brewers Consumer	2024
SEHK:1109 Ordinary S China Resc	3.64 Common SHang Seng Real EstateReal Estat Real Estate	2020
SEHK:1109 Ordinary S China Resc	3.64 Common SHang Seng Real EstateReal Estat Real Estate	2021
SEHK:1109 Ordinary S China Resc	3.64 Common SHang Seng Real EstateReal Estat Real Estate	2022
SEHK:1109 Ordinary S China Resc	3.64 Common SHang Seng Real EstateReal Estat Real Estate	2023
SEHK:1109 Ordinary S China Resc	3.64 Common SHang Seng Real EstateReal Estat Real Estate	2024
SEHK:1209 Ordinary S China Resc	5.21 Common SHang Seng Real EstateReal Estat Real Estate	2020
SEHK:1209 Ordinary S China Resc	5.21 Common SHang Seng Real EstateReal Estat Real Estate	2021
SEHK:1209 Ordinary S China Resc	5.21 Common SHang Seng Real EstateReal Estat Real Estate	2022
SEHK:1209 Ordinary S China Resc	5.21 Common SHang Seng Real EstateReal Estat Real Estate	2023
SEHK:1209 Ordinary S China Resc	5.21 Common SHang Seng Real EstateReal Estat Real Estate	2024
SEHK:836 Ordinary S China Resc	2.41 Common SHang Seng Utilities IndependeUtilities (P	2020
SEHK:836 Ordinary S China Resc	2.41 Common SHang Seng Utilities IndependeUtilities (P	2021
SEHK:836 Ordinary S China Resc	2.41 Common SHang Seng Utilities IndependeUtilities (P	2022



SEHK:836 Ordinary S China Resc	2.41 Common SHang Seng Utilities	IndependeUtilities (P	2023
SEHK:836 Ordinary S China Resc	2.41 Common SHang Seng Utilities	IndependeUtilities (P	2024
SEHK:1088Foreign Sh China Sher	5.37 Common SHang Seng Energy	Coal and CEnergy (Pr	2020
SEHK:1088Foreign Sh China Sher	5.37 Common SHang Seng Energy	Coal and CEnergy (Pr	2021
SEHK:1088Foreign Sh China Sher	5.37 Common SHang Seng Energy	Coal and CEnergy (Pr	2022
SEHK:1088Foreign Sh China Sher	5.37 Common SHang Seng Energy	Coal and CEnergy (Pr	2023
SEHK:1088Foreign Sh China Sher	5.37 Common SHang Seng Energy	Coal and CEnergy (Pr	2024
SEHK:728 Foreign Sh China Tele	0.71 Common SHang Seng CommunicIntegrated Communic		2020
SEHK:728 Foreign Sh China Tele	0.71 Common SHang Seng CommunicIntegrated Communic		2021
SEHK:728 Foreign Sh China Tele	0.71 Common SHang Seng CommunicIntegrated Communic		2022
SEHK:728 Foreign Sh China Tele	0.71 Common SHang Seng CommunicIntegrated Communic		2023
SEHK:728 Foreign Sh China Tele	0.71 Common SHang Seng CommunicIntegrated Communic		2024
SEHK:762 Ordinary S China Unic	1.19 Common SHang Seng CommunicIntegrated Communic		2020
SEHK:762 Ordinary S China Unic	1.19 Common SHang Seng CommunicIntegrated Communic		2021
SEHK:762 Ordinary S China Unic	1.19 Common SHang Seng CommunicIntegrated Communic		2022
SEHK:762 Ordinary S China Unic	1.19 Common SHang Seng CommunicIntegrated Communic		2023
SEHK:762 Ordinary S China Unic	1.19 Common SHang Seng CommunicIntegrated Communic		2024
SEHK:1929Ordinary S Chow Tai F	1.98 Common SHang Seng Consumer Other SpecConsumer		2020
SEHK:1929Ordinary S Chow Tai F	1.98 Common SHang Seng Consumer Other SpecConsumer		2021
SEHK:1929Ordinary S Chow Tai F	1.98 Common SHang Seng Consumer Other SpecConsumer		2022
SEHK:1929Ordinary S Chow Tai F	1.98 Common SHang Seng Consumer Other SpecConsumer		2023
SEHK:1929Ordinary S Chow Tai F	1.98 Common SHang Seng Consumer Other SpecConsumer		2024
SEHK:2688Ordinary S ENN Energ	8.71 Common SHang Seng Utilities	Gas UtilitieUtilities (P	2020
SEHK:2688Ordinary S ENN Energ	8.71 Common SHang Seng Utilities	Gas UtilitieUtilities (P	2021
SEHK:2688Ordinary S ENN Energ	8.71 Common SHang Seng Utilities	Gas UtilitieUtilities (P	2022
SEHK:2688Ordinary S ENN Energ	8.71 Common SHang Seng Utilities	Gas UtilitieUtilities (P	2023
SEHK:2688Ordinary S ENN Energ	8.71 Common SHang Seng Utilities	Gas UtilitieUtilities (P	2024
SEHK:27 Ordinary S Galaxy Ent	4.98 Common SHang Seng Consumer Casinos anConsumer		2020
SEHK:27 Ordinary S Galaxy Ent	4.98 Common SHang Seng Consumer Casinos anConsumer		2021
SEHK:27 Ordinary S Galaxy Ent	4.98 Common SHang Seng Consumer Casinos anConsumer		2022
SEHK:27 Ordinary S Galaxy Ent	4.98 Common SHang Seng Consumer Casinos anConsumer		2023
SEHK:27 Ordinary S Galaxy Ent	4.98 Common SHang Seng Consumer Casinos anConsumer		2024
SEHK:175 Ordinary S Geely Autc	2.42 Common SHang Seng Consumer Automobil Consumer		2020
SEHK:175 Ordinary S Geely Autc	2.42 Common SHang Seng Consumer Automobil Consumer		2021
SEHK:175 Ordinary S Geely Autc	2.42 Common SHang Seng Consumer Automobil Consumer		2022
SEHK:175 Ordinary S Geely Autc	2.42 Common SHang Seng Consumer Automobil Consumer		2023
SEHK:175 Ordinary S Geely Autc	2.42 Common SHang Seng Consumer Automobil Consumer		2024
SEHK:5 Ordinary S HSBC Hold	13.9 Common SHang Seng Financials DiversifiedFinancials		2020
SEHK:5 Ordinary S HSBC Hold	13.9 Common SHang Seng Financials DiversifiedFinancials		2021
SEHK:5 Ordinary S HSBC Hold	13.9 Common SHang Seng Financials DiversifiedFinancials		2022
SEHK:5 Ordinary S HSBC Hold	13.9 Common SHang Seng Financials DiversifiedFinancials		2023
SEHK:5 Ordinary S HSBC Hold	13.9 Common SHang Seng Financials DiversifiedFinancials		2024
SEHK:6862Ordinary S Haidilao In	1.65 Common SHang Seng Consumer RestaurantConsumer		2020

SEHK:6862 Ordinary S Haidilao In	1.65 Common SHang Seng Consumer RestaurantConsumer	2021
SEHK:6862 Ordinary S Haidilao In	1.65 Common SHang Seng Consumer RestaurantConsumer	2022
SEHK:6862 Ordinary S Haidilao In	1.65 Common SHang Seng Consumer RestaurantConsumer	2023
SEHK:6862 Ordinary S Haidilao In	1.65 Common SHang Seng Consumer RestaurantConsumer	2024
SEHK:6690H Shares Haier Smai	3.17 Common SHang Seng Consumer HouseholdConsumer	2020
SEHK:6690H Shares Haier Smai	3.17 Common SHang Seng Consumer HouseholdConsumer	2021
SEHK:6690H Shares Haier Smai	3.17 Common SHang Seng Consumer HouseholdConsumer	2022
SEHK:6690H Shares Haier Smai	3.17 Common SHang Seng Consumer HouseholdConsumer	2023
SEHK:6690H Shares Haier Smai	3.17 Common SHang Seng Consumer HouseholdConsumer	2024
SEHK:101 Ordinary S Hang Lung	1.12 Common SHang Seng Real EstateReal Estat Real Estate	2020
SEHK:101 Ordinary S Hang Lung	1.12 Common SHang Seng Real EstateReal Estat Real Estate	2021
SEHK:101 Ordinary S Hang Lung	1.12 Common SHang Seng Real EstateReal Estat Real Estate	2022
SEHK:101 Ordinary S Hang Lung	1.12 Common SHang Seng Real EstateReal Estat Real Estate	2023
SEHK:101 Ordinary S Hang Lung	1.12 Common SHang Seng Real EstateReal Estat Real Estate	2024
SEHK:11 Ordinary S Hang Seng	19.53 Common SHang Seng Financials DiversifiedFinancials	2020
SEHK:11 Ordinary S Hang Seng	19.53 Common SHang Seng Financials DiversifiedFinancials	2021
SEHK:11 Ordinary S Hang Seng	19.53 Common SHang Seng Financials DiversifiedFinancials	2022
SEHK:11 Ordinary S Hang Seng	19.53 Common SHang Seng Financials DiversifiedFinancials	2023
SEHK:11 Ordinary S Hang Seng	19.53 Common SHang Seng Financials DiversifiedFinancials	2024
SEHK:3692 Ordinary S Hansoh Ph	4.4 Common SHang Seng Health Car PharmaceiHealth Car	2020
SEHK:3692 Ordinary S Hansoh Ph	4.4 Common SHang Seng Health Car PharmaceiHealth Car	2021
SEHK:3692 Ordinary S Hansoh Ph	4.4 Common SHang Seng Health Car PharmaceiHealth Car	2022
SEHK:3692 Ordinary S Hansoh Ph	4.4 Common SHang Seng Health Car PharmaceiHealth Car	2023
SEHK:3692 Ordinary S Hansoh Ph	4.4 Common SHang Seng Health Car PharmaceiHealth Car	2024
SEHK:12 Ordinary S Hendersor	3.54 Common SHang Seng Real EstateReal Estat Real Estate	2020
SEHK:12 Ordinary S Hendersor	3.54 Common SHang Seng Real EstateReal Estat Real Estate	2021
SEHK:12 Ordinary S Hendersor	3.54 Common SHang Seng Real EstateReal Estat Real Estate	2022
SEHK:12 Ordinary S Hendersor	3.54 Common SHang Seng Real EstateReal Estat Real Estate	2023
SEHK:12 Ordinary S Hendersor	3.54 Common SHang Seng Real EstateReal Estat Real Estate	2024
SEHK:1044 Ordinary S Hengan Int	3.56 Common SHang Seng Consumer Personal CConsumer	2020
SEHK:1044 Ordinary S Hengan Int	3.56 Common SHang Seng Consumer Personal CConsumer	2021
SEHK:1044 Ordinary S Hengan Int	3.56 Common SHang Seng Consumer Personal CConsumer	2022
SEHK:1044 Ordinary S Hengan Int	3.56 Common SHang Seng Consumer Personal CConsumer	2023
SEHK:1044 Ordinary S Hengan Int	3.56 Common SHang Seng Consumer Personal CConsumer	2024
SEHK:388 Ordinary S Hong Kong	55.66 Common SHang Seng Financials Financial Financials	2020
SEHK:388 Ordinary S Hong Kong	55.66 Common SHang Seng Financials Financial Financials	2021
SEHK:388 Ordinary S Hong Kong	55.66 Common SHang Seng Financials Financial Financials	2022
SEHK:388 Ordinary S Hong Kong	55.66 Common SHang Seng Financials Financial Financials	2023
SEHK:388 Ordinary S Hong Kong	55.66 Common SHang Seng Financials Financial Financials	2024
SEHK:1398 Foreign Sh Industrial	0.78 Common SHang Seng Financials DiversifiedFinancials	2020
SEHK:1398 Foreign Sh Industrial	0.78 Common SHang Seng Financials DiversifiedFinancials	2021
SEHK:1398 Foreign Sh Industrial	0.78 Common SHang Seng Financials DiversifiedFinancials	2022
SEHK:1398 Foreign Sh Industrial	0.78 Common SHang Seng Financials DiversifiedFinancials	2023

SEHK:1398Foreign Sh Industrial	0.78 Common SHang Seng Financials DiversifiedFinancials	2024
SEHK:6618Ordinary SJD Health I	7.81 Common SHang Seng Consumer Drug RetailConsumer	2020
SEHK:6618Ordinary SJD Health I	7.81 Common SHang Seng Consumer Drug RetailConsumer	2021
SEHK:6618Ordinary SJD Health I	7.81 Common SHang Seng Consumer Drug RetailConsumer	2022
SEHK:6618Ordinary SJD Health I	7.81 Common SHang Seng Consumer Drug RetailConsumer	2023
SEHK:6618Ordinary SJD Health I	7.81 Common SHang Seng Consumer Drug RetailConsumer	2024
SEHK:2618Ordinary SJD Logistic	1.62 Common SHang Seng Industrials Air Freight Industrials	2020
SEHK:2618Ordinary SJD Logistic	1.62 Common SHang Seng Industrials Air Freight Industrials	2021
SEHK:2618Ordinary SJD Logistic	1.62 Common SHang Seng Industrials Air Freight Industrials	2022
SEHK:2618Ordinary SJD Logistic	1.62 Common SHang Seng Industrials Air Freight Industrials	2023
SEHK:2618Ordinary SJD Logistic	1.62 Common SHang Seng Industrials Air Freight Industrials	2024
SEHK:9618Class A OrJD.com, In	16.85 Common SHang Seng Consumer Broadline IConsumer	2020
SEHK:9618Class A OrJD.com, In	16.85 Common SHang Seng Consumer Broadline IConsumer	2021
SEHK:9618Class A OrJD.com, In	16.85 Common SHang Seng Consumer Broadline IConsumer	2022
SEHK:9618Class A OrJD.com, In	16.85 Common SHang Seng Consumer Broadline IConsumer	2023
SEHK:9618Class A OrJD.com, In	16.85 Common SHang Seng Consumer Broadline IConsumer	2024
SEHK:1024Class B ShzKuaishou T	9.61 Common SHang Seng CommunicInteractiveCommunic	2020
SEHK:1024Class B ShzKuaishou T	9.61 Common SHang Seng CommunicInteractiveCommunic	2021
SEHK:1024Class B ShzKuaishou T	9.61 Common SHang Seng CommunicInteractiveCommunic	2022
SEHK:1024Class B ShzKuaishou T	9.61 Common SHang Seng CommunicInteractiveCommunic	2023
SEHK:1024Class B ShzKuaishou T	9.61 Common SHang Seng CommunicInteractiveCommunic	2024
SEHK:992 Voting OrdLenovo Gri	1.48 Common SHang Seng InformatioTechnologInformatio	2020
SEHK:992 Voting OrdLenovo Gri	1.48 Common SHang Seng InformatioTechnologInformatio	2021
SEHK:992 Voting OrdLenovo Gri	1.48 Common SHang Seng InformatioTechnologInformatio	2022
SEHK:992 Voting OrdLenovo Gri	1.48 Common SHang Seng InformatioTechnologInformatio	2023
SEHK:992 Voting OrdLenovo Gri	1.48 Common SHang Seng InformatioTechnologInformatio	2024
SEHK:2015Class A OrLi Auto Inc	10.37 Common SHang Seng Consumer Automobil Consumer	2020
SEHK:2015Class A OrLi Auto Inc	10.37 Common SHang Seng Consumer Automobil Consumer	2021
SEHK:2015Class A OrLi Auto Inc	10.37 Common SHang Seng Consumer Automobil Consumer	2022
SEHK:2015Class A OrLi Auto Inc	10.37 Common SHang Seng Consumer Automobil Consumer	2023
SEHK:2015Class A OrLi Auto Inc	10.37 Common SHang Seng Consumer Automobil Consumer	2024
SEHK:2331Ordinary S Li Ning Co	2.14 Common SHang Seng Consumer Apparel, A Consumer	2020
SEHK:2331Ordinary S Li Ning Co	2.14 Common SHang Seng Consumer Apparel, A Consumer	2021
SEHK:2331Ordinary S Li Ning Co	2.14 Common SHang Seng Consumer Apparel, A Consumer	2022
SEHK:2331Ordinary S Li Ning Co	2.14 Common SHang Seng Consumer Apparel, A Consumer	2023
SEHK:2331Ordinary S Li Ning Co	2.14 Common SHang Seng Consumer Apparel, A Consumer	2024
SEHK:823 Units Link Real E	5.28 Common SHang Seng Real EstateRetail REITReal Estate	2020
SEHK:823 Units Link Real E	5.28 Common SHang Seng Real EstateRetail REITReal Estate	2021
SEHK:823 Units Link Real E	5.28 Common SHang Seng Real EstateRetail REITReal Estate	2022
SEHK:823 Units Link Real E	5.28 Common SHang Seng Real EstateRetail REITReal Estate	2023
SEHK:823 Units Link Real E	5.28 Common SHang Seng Real EstateRetail REITReal Estate	2024
SEHK:960 Ordinary S Longfor Gr	1.25 Common SHang Seng Real EstateReal Estat Real Estate	2020
SEHK:960 Ordinary S Longfor Gr	1.25 Common SHang Seng Real EstateReal Estat Real Estate	2021

SEHK:960	Ordinary S Longfor Gr	1.25	Common SHang Seng Real Estate	Real Estat	Real Estate	2022
SEHK:960	Ordinary S Longfor Gr	1.25	Common SHang Seng Real Estate	Real Estat	Real Estate	2023
SEHK:960	Ordinary S Longfor Gr	1.25	Common SHang Seng Real Estate	Real Estat	Real Estate	2024
SEHK:66	Ordinary SMTR Corp	3.62	Common SHang Seng Industrials	Rail Transp	Industrials	2020
SEHK:66	Ordinary SMTR Corp	3.62	Common SHang Seng Industrials	Rail Transp	Industrials	2021
SEHK:66	Ordinary SMTR Corp	3.62	Common SHang Seng Industrials	Rail Transp	Industrials	2022
SEHK:66	Ordinary SMTR Corp	3.62	Common SHang Seng Industrials	Rail Transp	Industrials	2023
SEHK:66	Ordinary SMTR Corp	3.62	Common SHang Seng Industrials	Rail Transp	Industrials	2024
SEHK:3690	Class B ShzMeituan	13.18	Common SHang Seng Consumer	Restaurant	Consumer	2020
SEHK:3690	Class B ShzMeituan	13.18	Common SHang Seng Consumer	Restaurant	Consumer	2021
SEHK:3690	Class B ShzMeituan	13.18	Common SHang Seng Consumer	Restaurant	Consumer	2022
SEHK:3690	Class B ShzMeituan	13.18	Common SHang Seng Consumer	Restaurant	Consumer	2023
SEHK:3690	Class B ShzMeituan	13.18	Common SHang Seng Consumer	Restaurant	Consumer	2024
SEHK:300	H Shares Midea Gro	10.7	Common SHang Seng Consumer	Household	Consumer	2020
SEHK:300	H Shares Midea Gro	10.7	Common SHang Seng Consumer	Household	Consumer	2021
SEHK:300	H Shares Midea Gro	10.7	Common SHang Seng Consumer	Household	Consumer	2022
SEHK:300	H Shares Midea Gro	10.7	Common SHang Seng Consumer	Household	Consumer	2023
SEHK:300	H Shares Midea Gro	10.7	Common SHang Seng Consumer	Household	Consumer	2024
SEHK:9999	Ordinary S NetEase, Ir	28.32	Common SHang Seng Communic	Interactiv	Communic	2020
SEHK:9999	Ordinary S NetEase, Ir	28.32	Common SHang Seng Communic	Interactiv	Communic	2021
SEHK:9999	Ordinary S NetEase, Ir	28.32	Common SHang Seng Communic	Interactiv	Communic	2022
SEHK:9999	Ordinary S NetEase, Ir	28.32	Common SHang Seng Communic	Interactiv	Communic	2023
SEHK:9999	Ordinary S NetEase, Ir	28.32	Common SHang Seng Communic	Interactiv	Communic	2024
SEHK:9901	Common S New Orien	5.88	Common SHang Seng Consumer	Education	Consumer	2020
SEHK:9901	Common S New Orien	5.88	Common SHang Seng Consumer	Education	Consumer	2021
SEHK:9901	Common S New Orien	5.88	Common SHang Seng Consumer	Education	Consumer	2022
SEHK:9901	Common S New Orien	5.88	Common SHang Seng Consumer	Education	Consumer	2023
SEHK:9901	Common S New Orien	5.88	Common SHang Seng Consumer	Education	Consumer	2024
SEHK:9633	Foreign Sh Nongfu Sp	6.66	Common SHang Seng Consumer	Soft Drink	Consumer	2020
SEHK:9633	Foreign Sh Nongfu Sp	6.66	Common SHang Seng Consumer	Soft Drink	Consumer	2021
SEHK:9633	Foreign Sh Nongfu Sp	6.66	Common SHang Seng Consumer	Soft Drink	Consumer	2022
SEHK:9633	Foreign Sh Nongfu Sp	6.66	Common SHang Seng Consumer	Soft Drink	Consumer	2023
SEHK:9633	Foreign Sh Nongfu Sp	6.66	Common SHang Seng Consumer	Soft Drink	Consumer	2024
SEHK:316	Ordinary S Orient Ove	17.41	Common SHang Seng Industrials	Marine Tra	Industrials	2020
SEHK:316	Ordinary S Orient Ove	17.41	Common SHang Seng Industrials	Marine Tra	Industrials	2021
SEHK:316	Ordinary S Orient Ove	17.41	Common SHang Seng Industrials	Marine Tra	Industrials	2022
SEHK:316	Ordinary S Orient Ove	17.41	Common SHang Seng Industrials	Marine Tra	Industrials	2023
SEHK:316	Ordinary S Orient Ove	17.41	Common SHang Seng Industrials	Marine Tra	Industrials	2024
SEHK:857	Foreign Sh PetroChin	1.03	Common SHang Seng Energy	Integrated	Energy (Pr	2020
SEHK:857	Foreign Sh PetroChin	1.03	Common SHang Seng Energy	Integrated	Energy (Pr	2021
SEHK:857	Foreign Sh PetroChin	1.03	Common SHang Seng Energy	Integrated	Energy (Pr	2022
SEHK:857	Foreign Sh PetroChin	1.03	Common SHang Seng Energy	Integrated	Energy (Pr	2023
SEHK:857	Foreign Sh PetroChin	1.03	Common SHang Seng Energy	Integrated	Energy (Pr	2024

SEHK:2318Foreign Sh Ping An In	7.35 Common SHang Seng Financials Life and HcFinancials	2020
SEHK:2318Foreign Sh Ping An In	7.35 Common SHang Seng Financials Life and HcFinancials	2021
SEHK:2318Foreign Sh Ping An In	7.35 Common SHang Seng Financials Life and HcFinancials	2022
SEHK:2318Foreign Sh Ping An In	7.35 Common SHang Seng Financials Life and HcFinancials	2023
SEHK:2318Foreign Sh Ping An In	7.35 Common SHang Seng Financials Life and HcFinancials	2024
SEHK:9992Ordinary S Pop Mart I	29.58 Common SHang Seng Consumer Other SpecConsumer	2020
SEHK:9992Ordinary S Pop Mart I	29.58 Common SHang Seng Consumer Other SpecConsumer	2021
SEHK:9992Ordinary S Pop Mart I	29.58 Common SHang Seng Consumer Other SpecConsumer	2022
SEHK:9992Ordinary S Pop Mart I	29.58 Common SHang Seng Consumer Other SpecConsumer	2023
SEHK:9992Ordinary S Pop Mart I	29.58 Common SHang Seng Consumer Other SpecConsumer	2024
SEHK:6 Ordinary S Power Ass	6.41 Common SHang Seng Utilities Electric UtiUtilities (P	2020
SEHK:6 Ordinary S Power Ass	6.41 Common SHang Seng Utilities Electric UtiUtilities (P	2021
SEHK:6 Ordinary S Power Ass	6.41 Common SHang Seng Utilities Electric UtiUtilities (P	2022
SEHK:6 Ordinary S Power Ass	6.41 Common SHang Seng Utilities Electric UtiUtilities (P	2023
SEHK:6 Ordinary S Power Ass	6.41 Common SHang Seng Utilities Electric UtiUtilities (P	2024
SEHK:1928Ordinary S Sands Chin	2.64 Common SHang Seng Consumer Casinos anConsumer	2020
SEHK:1928Ordinary S Sands Chin	2.64 Common SHang Seng Consumer Casinos anConsumer	2021
SEHK:1928Ordinary S Sands Chin	2.64 Common SHang Seng Consumer Casinos anConsumer	2022
SEHK:1928Ordinary S Sands Chin	2.64 Common SHang Seng Consumer Casinos anConsumer	2023
SEHK:1928Ordinary S Sands Chin	2.64 Common SHang Seng Consumer Casinos anConsumer	2024
SEHK:981 Foreign Sh Semicondu	10.19 Common SHang Seng InformatioSemiconduInformatio	2020
SEHK:981 Foreign Sh Semicondu	10.19 Common SHang Seng InformatioSemiconduInformatio	2021
SEHK:981 Foreign Sh Semicondu	10.19 Common SHang Seng InformatioSemiconduInformatio	2022
SEHK:981 Foreign Sh Semicondu	10.19 Common SHang Seng InformatioSemiconduInformatio	2023
SEHK:981 Foreign Sh Semicondu	10.19 Common SHang Seng InformatioSemiconduInformatio	2024
SEHK:2313Ordinary S Shenzhou	8.69 Common SHang Seng Consumer Apparel, A Consumer	2020
SEHK:2313Ordinary S Shenzhou	8.69 Common SHang Seng Consumer Apparel, A Consumer	2021
SEHK:2313Ordinary S Shenzhou	8.69 Common SHang Seng Consumer Apparel, A Consumer	2022
SEHK:2313Ordinary S Shenzhou	8.69 Common SHang Seng Consumer Apparel, A Consumer	2023
SEHK:2313Ordinary S Shenzhou	8.69 Common SHang Seng Consumer Apparel, A Consumer	2024
SEHK:1177Ordinary S Sino Bioph	0.88 Common SHang Seng Health Car PharmaceiHealth Car	2020
SEHK:1177Ordinary S Sino Bioph	0.88 Common SHang Seng Health Car PharmaceiHealth Car	2021
SEHK:1177Ordinary S Sino Bioph	0.88 Common SHang Seng Health Car PharmaceiHealth Car	2022
SEHK:1177Ordinary S Sino Bioph	0.88 Common SHang Seng Health Car PharmaceiHealth Car	2023
SEHK:1177Ordinary S Sino Bioph	0.88 Common SHang Seng Health Car PharmaceiHealth Car	2024
SEHK:1099Foreign Sh Sinopharm	2.51 Common SHang Seng Health Car Health Car Health Car	2020
SEHK:1099Foreign Sh Sinopharm	2.51 Common SHang Seng Health Car Health Car Health Car	2021
SEHK:1099Foreign Sh Sinopharm	2.51 Common SHang Seng Health Car Health Car Health Car	2022
SEHK:1099Foreign Sh Sinopharm	2.51 Common SHang Seng Health Car Health Car Health Car	2023
SEHK:1099Foreign Sh Sinopharm	2.51 Common SHang Seng Health Car Health Car Health Car	2024
SEHK:16 Ordinary S Sun Hung I	12.18 Common SHang Seng Real EstateDiversifiedReal Estate	2020
SEHK:16 Ordinary S Sun Hung I	12.18 Common SHang Seng Real EstateDiversifiedReal Estate	2021
SEHK:16 Ordinary S Sun Hung I	12.18 Common SHang Seng Real EstateDiversifiedReal Estate	2022

SEHK:16	Ordinary S	Sun Hung I	12.18	Common S	Hang Seng Real Estate	Diversified	Real Estate	2023
SEHK:16	Ordinary S	Sun Hung I	12.18	Common S	Hang Seng Real Estate	Diversified	Real Estate	2024
SEHK:2382	Ordinary S	Sunny Opt	9.9	Common S	Hang Seng Informatio	Electronic	Informatio	2020
SEHK:2382	Ordinary S	Sunny Opt	9.9	Common S	Hang Seng Informatio	Electronic	Informatio	2021
SEHK:2382	Ordinary S	Sunny Opt	9.9	Common S	Hang Seng Informatio	Electronic	Informatio	2022
SEHK:2382	Ordinary S	Sunny Opt	9.9	Common S	Hang Seng Informatio	Electronic	Informatio	2023
SEHK:2382	Ordinary S	Sunny Opt	9.9	Common S	Hang Seng Informatio	Electronic	Informatio	2024
SEHK:669	Ordinary S	Techtronic	12.16	Common S	Hang Seng Industrials	Industrial	Industrials	2020
SEHK:669	Ordinary S	Techtronic	12.16	Common S	Hang Seng Industrials	Industrial	Industrials	2021
SEHK:669	Ordinary S	Techtronic	12.16	Common S	Hang Seng Industrials	Industrial	Industrials	2022
SEHK:669	Ordinary S	Techtronic	12.16	Common S	Hang Seng Industrials	Industrial	Industrials	2023
SEHK:669	Ordinary S	Techtronic	12.16	Common S	Hang Seng Industrials	Industrial	Industrials	2024
SEHK:700	Ordinary S	Tencent H	83.79	Common S	Hang Seng Communic	Interactive	Communic	2020
SEHK:700	Ordinary S	Tencent H	83.79	Common S	Hang Seng Communic	Interactive	Communic	2021
SEHK:700	Ordinary S	Tencent H	83.79	Common S	Hang Seng Communic	Interactive	Communic	2022
SEHK:700	Ordinary S	Tencent H	83.79	Common S	Hang Seng Communic	Interactive	Communic	2023
SEHK:700	Ordinary S	Tencent H	83.79	Common S	Hang Seng Communic	Interactive	Communic	2024
SEHK:3	Ordinary S	The Hong I	0.93	Common S	Hang Seng Utilities	Gas Utilitie	Utilities (P	2020
SEHK:3	Ordinary S	The Hong I	0.93	Common S	Hang Seng Utilities	Gas Utilitie	Utilities (P	2021
SEHK:3	Ordinary S	The Hong I	0.93	Common S	Hang Seng Utilities	Gas Utilitie	Utilities (P	2022
SEHK:3	Ordinary S	The Hong I	0.93	Common S	Hang Seng Utilities	Gas Utilitie	Utilities (P	2023
SEHK:3	Ordinary S	The Hong I	0.93	Common S	Hang Seng Utilities	Gas Utilitie	Utilities (P	2024
SEHK:322	Ordinary S	Tingyi (Cay	1.39	Common S	Hang Seng Consumer	Packaged I	Consumer	2020
SEHK:322	Ordinary S	Tingyi (Cay	1.39	Common S	Hang Seng Consumer	Packaged I	Consumer	2021
SEHK:322	Ordinary S	Tingyi (Cay	1.39	Common S	Hang Seng Consumer	Packaged I	Consumer	2022
SEHK:322	Ordinary S	Tingyi (Cay	1.39	Common S	Hang Seng Consumer	Packaged I	Consumer	2023
SEHK:322	Ordinary S	Tingyi (Cay	1.39	Common S	Hang Seng Consumer	Packaged I	Consumer	2024
SEHK:9961	Ordinary S	Trip.com G	70.79	Common S	Hang Seng Consumer	Hotels, Re:	Consumer	2020
SEHK:9961	Ordinary S	Trip.com G	70.79	Common S	Hang Seng Consumer	Hotels, Re:	Consumer	2021
SEHK:9961	Ordinary S	Trip.com G	70.79	Common S	Hang Seng Consumer	Hotels, Re:	Consumer	2022
SEHK:9961	Ordinary S	Trip.com G	70.79	Common S	Hang Seng Consumer	Hotels, Re:	Consumer	2023
SEHK:9961	Ordinary S	Trip.com G	70.79	Common S	Hang Seng Consumer	Hotels, Re:	Consumer	2024
SEHK:288	Ordinary S	WH Group	0.95	Common S	Hang Seng Consumer	Packaged I	Consumer	2020
SEHK:288	Ordinary S	WH Group	0.95	Common S	Hang Seng Consumer	Packaged I	Consumer	2021
SEHK:288	Ordinary S	WH Group	0.95	Common S	Hang Seng Consumer	Packaged I	Consumer	2022
SEHK:288	Ordinary S	WH Group	0.95	Common S	Hang Seng Consumer	Packaged I	Consumer	2023
SEHK:288	Ordinary S	WH Group	0.95	Common S	Hang Seng Consumer	Packaged I	Consumer	2024
SEHK:1997	Ordinary S	Wharf Rea	2.88	Common S	Hang Seng Real Estate	Real Estat	Real Estate	2020
SEHK:1997	Ordinary S	Wharf Rea	2.88	Common S	Hang Seng Real Estate	Real Estat	Real Estate	2021
SEHK:1997	Ordinary S	Wharf Rea	2.88	Common S	Hang Seng Real Estate	Real Estat	Real Estate	2022
SEHK:1997	Ordinary S	Wharf Rea	2.88	Common S	Hang Seng Real Estate	Real Estat	Real Estate	2023
SEHK:1997	Ordinary S	Wharf Rea	2.88	Common S	Hang Seng Real Estate	Real Estat	Real Estate	2024
SEHK:2359	Foreign Sh	WuXi Appl	13.97	Common S	Hang Seng Health Car	Life Scienc	Health Car	2020

SEHK:2359Foreign Sh WuXi App1	13.97 Common SHang Seng Health Car Life Scienc Health Car	2021
SEHK:2359Foreign Sh WuXi App1	13.97 Common SHang Seng Health Car Life Scienc Health Car	2022
SEHK:2359Foreign Sh WuXi App1	13.97 Common SHang Seng Health Car Life Scienc Health Car	2023
SEHK:2359Foreign Sh WuXi App1	13.97 Common SHang Seng Health Car Life Scienc Health Car	2024
SEHK:2269Ordinary S WuXi Biolc	4.71 Common SHang Seng Health Car Life Scienc Health Car	2020
SEHK:2269Ordinary S WuXi Biolc	4.71 Common SHang Seng Health Car Life Scienc Health Car	2021
SEHK:2269Ordinary S WuXi Biolc	4.71 Common SHang Seng Health Car Life Scienc Health Car	2022
SEHK:2269Ordinary S WuXi Biolc	4.71 Common SHang Seng Health Car Life Scienc Health Car	2023
SEHK:2269Ordinary S WuXi Biolc	4.71 Common SHang Seng Health Car Life Scienc Health Car	2024
SEHK:1810Class B OrcXiaomi Cor	5.68 Common SHang Seng InformatioTechnologInformatio	2020
SEHK:1810Class B OrcXiaomi Cor	5.68 Common SHang Seng InformatioTechnologInformatio	2021
SEHK:1810Class B OrcXiaomi Cor	5.68 Common SHang Seng InformatioTechnologInformatio	2022
SEHK:1810Class B OrcXiaomi Cor	5.68 Common SHang Seng InformatioTechnologInformatio	2023
SEHK:1810Class B OrcXiaomi Cor	5.68 Common SHang Seng InformatioTechnologInformatio	2024
SEHK:868 Ordinary SXinyi Glass	1.21 Common SHang Seng Industrials Building PrIndustrials	2020
SEHK:868 Ordinary SXinyi Glass	1.21 Common SHang Seng Industrials Building PrIndustrials	2021
SEHK:868 Ordinary SXinyi Glass	1.21 Common SHang Seng Industrials Building PrIndustrials	2022
SEHK:868 Ordinary SXinyi Glass	1.21 Common SHang Seng Industrials Building PrIndustrials	2023
SEHK:868 Ordinary SXinyi Glass	1.21 Common SHang Seng Industrials Building PrIndustrials	2024
SEHK:968 Ordinary SXinyi Solar	0.49 Common SHang Seng InformatioSemiconduInformatio	2020
SEHK:968 Ordinary SXinyi Solar	0.49 Common SHang Seng InformatioSemiconduInformatio	2021
SEHK:968 Ordinary SXinyi Solar	0.49 Common SHang Seng InformatioSemiconduInformatio	2022
SEHK:968 Ordinary SXinyi Solar	0.49 Common SHang Seng InformatioSemiconduInformatio	2023
SEHK:968 Ordinary SXinyi Solar	0.49 Common SHang Seng InformatioSemiconduInformatio	2024
SEHK:2057Class A OrcZTO Expre:	18.38 Common SHang Seng Industrials Air Freight Industrials	2020
SEHK:2057Class A OrcZTO Expre:	18.38 Common SHang Seng Industrials Air Freight Industrials	2021
SEHK:2057Class A OrcZTO Expre:	18.38 Common SHang Seng Industrials Air Freight Industrials	2022
SEHK:2057Class A OrcZTO Expre:	18.38 Common SHang Seng Industrials Air Freight Industrials	2023
SEHK:2057Class A OrcZTO Expre:	18.38 Common SHang Seng Industrials Air Freight Industrials	2024
SEHK:881 Ordinary SZhongsher	1.61 Common SHang Seng Consumer AutomotivConsumer	2020
SEHK:881 Ordinary SZhongsher	1.61 Common SHang Seng Consumer AutomotivConsumer	2021
SEHK:881 Ordinary SZhongsher	1.61 Common SHang Seng Consumer AutomotivConsumer	2022
SEHK:881 Ordinary SZhongsher	1.61 Common SHang Seng Consumer AutomotivConsumer	2023
SEHK:881 Ordinary SZhongsher	1.61 Common SHang Seng Consumer AutomotivConsumer	2024
SEHK:2899Foreign Sh Zijin Mini	4.18 Common SHang Seng Materials Gold Materials (	2020
SEHK:2899Foreign Sh Zijin Mini	4.18 Common SHang Seng Materials Gold Materials (	2021
SEHK:2899Foreign Sh Zijin Mini	4.18 Common SHang Seng Materials Gold Materials (	2022
SEHK:2899Foreign Sh Zijin Mini	4.18 Common SHang Seng Materials Gold Materials (	2023
SEHK:2899Foreign Sh Zijin Mini	4.18 Common SHang Seng Materials Gold Materials (	2024
NSEI:ADANEquity Sha Adani Ente	28.51 Common SNifty 50 (IrIndustrials Trading CoIndustrials	2020
NSEI:ADANEquity Sha Adani Ente	28.51 Common SNifty 50 (IrIndustrials Trading CoIndustrials	2021
NSEI:ADANEquity Sha Adani Ente	28.51 Common SNifty 50 (IrIndustrials Trading CoIndustrials	2022
NSEI:ADANEquity Sha Adani Ente	28.51 Common SNifty 50 (IrIndustrials Trading CoIndustrials	2023

NSEI:ADANEquity Sha Adani Ente	28.51 Common SNifty 50 (Ir	Industrials Trading Co	Industrials	2024
NSEI:ADANEquity Sha Adani Port	16.45 Common SNifty 50 (Ir	Industrials Marine Po	Industrials	2020
NSEI:ADANEquity Sha Adani Port	16.45 Common SNifty 50 (Ir	Industrials Marine Po	Industrials	2021
NSEI:ADANEquity Sha Adani Port	16.45 Common SNifty 50 (Ir	Industrials Marine Po	Industrials	2022
NSEI:ADANEquity Sha Adani Port	16.45 Common SNifty 50 (Ir	Industrials Marine Po	Industrials	2023
NSEI:ADANEquity Sha Adani Port	16.45 Common SNifty 50 (Ir	Industrials Marine Po	Industrials	2024
NSEI:APOLEquity Sha Apollo Hos	87.88 Common SNifty 50 (Ir	Health Car Health Car	Health Car	2020
NSEI:APOLEquity Sha Apollo Hos	87.88 Common SNifty 50 (Ir	Health Car Health Car	Health Car	2021
NSEI:APOLEquity Sha Apollo Hos	87.88 Common SNifty 50 (Ir	Health Car Health Car	Health Car	2022
NSEI:APOLEquity Sha Apollo Hos	87.88 Common SNifty 50 (Ir	Health Car Health Car	Health Car	2023
NSEI:APOLEquity Sha Apollo Hos	87.88 Common SNifty 50 (Ir	Health Car Health Car	Health Car	2024
NSEI:ASIA Equity Sha Asian Paini	28.47 Common SNifty 50 (Ir	Materials Specialty C	Materials (	2020
NSEI:ASIA Equity Sha Asian Paini	28.47 Common SNifty 50 (Ir	Materials Specialty C	Materials (	2021
NSEI:ASIA Equity Sha Asian Paini	28.47 Common SNifty 50 (Ir	Materials Specialty C	Materials (	2022
NSEI:ASIA Equity Sha Asian Paini	28.47 Common SNifty 50 (Ir	Materials Specialty C	Materials (	2023
NSEI:ASIA Equity Sha Asian Paini	28.47 Common SNifty 50 (Ir	Materials Specialty C	Materials (	2024
NSEI:AXIS Equity Sha Axis Bank I	13.97 Common SNifty 50 (Ir	Financials Diversified	Financials	2020
NSEI:AXIS Equity Sha Axis Bank I	13.97 Common SNifty 50 (Ir	Financials Diversified	Financials	2021
NSEI:AXIS Equity Sha Axis Bank I	13.97 Common SNifty 50 (Ir	Financials Diversified	Financials	2022
NSEI:AXIS Equity Sha Axis Bank I	13.97 Common SNifty 50 (Ir	Financials Diversified	Financials	2023
NSEI:AXIS Equity Sha Axis Bank I	13.97 Common SNifty 50 (Ir	Financials Diversified	Financials	2024
NSEI:BAJA Equity Sha Bajaj Auto	100.66 Common SNifty 50 (Ir	Consumer Motorcycl	Consumer	2020
NSEI:BAJA Equity Sha Bajaj Auto	100.66 Common SNifty 50 (Ir	Consumer Motorcycl	Consumer	2021
NSEI:BAJA Equity Sha Bajaj Auto	100.66 Common SNifty 50 (Ir	Consumer Motorcycl	Consumer	2022
NSEI:BAJA Equity Sha Bajaj Auto	100.66 Common SNifty 50 (Ir	Consumer Motorcycl	Consumer	2023
NSEI:BAJA Equity Sha Bajaj Auto	100.66 Common SNifty 50 (Ir	Consumer Motorcycl	Consumer	2024
NSEI:BAJF Equity Sha Bajaj Finan	11.87 Common SNifty 50 (Ir	Financials Consumer	Financials	2020
NSEI:BAJF Equity Sha Bajaj Finan	11.87 Common SNifty 50 (Ir	Financials Consumer	Financials	2021
NSEI:BAJF Equity Sha Bajaj Finan	11.87 Common SNifty 50 (Ir	Financials Consumer	Financials	2022
NSEI:BAJF Equity Sha Bajaj Finan	11.87 Common SNifty 50 (Ir	Financials Consumer	Financials	2023
NSEI:BAJF Equity Sha Bajaj Finan	11.87 Common SNifty 50 (Ir	Financials Consumer	Financials	2024
NSEI:BAJAEquity Sha Bajaj Finse	23.85 Common SNifty 50 (Ir	Financials Diversified	Financials	2020
NSEI:BAJAEquity Sha Bajaj Finse	23.85 Common SNifty 50 (Ir	Financials Diversified	Financials	2021
NSEI:BAJAEquity Sha Bajaj Finse	23.85 Common SNifty 50 (Ir	Financials Diversified	Financials	2022
NSEI:BAJAEquity Sha Bajaj Finse	23.85 Common SNifty 50 (Ir	Financials Diversified	Financials	2023
NSEI:BAJAEquity Sha Bajaj Finse	23.85 Common SNifty 50 (Ir	Financials Diversified	Financials	2024
NSEI:BEL Equity Sha Bharat Elei	4.62 Common SNifty 50 (Ir	Industrials Aerospace	Industrials	2020
NSEI:BEL Equity Sha Bharat Elei	4.62 Common SNifty 50 (Ir	Industrials Aerospace	Industrials	2021
NSEI:BEL Equity Sha Bharat Elei	4.62 Common SNifty 50 (Ir	Industrials Aerospace	Industrials	2022
NSEI:BEL Equity Sha Bharat Elei	4.62 Common SNifty 50 (Ir	Industrials Aerospace	Industrials	2023
NSEI:BEL Equity Sha Bharat Elei	4.62 Common SNifty 50 (Ir	Industrials Aerospace	Industrials	2024
NSEI:BHAREquity Sha Bharti Airt	23.31 Common SNifty 50 (Ir	CommunicWireless T	Communic	2020
NSEI:BHAREquity Sha Bharti Airt	23.31 Common SNifty 50 (Ir	CommunicWireless T	Communic	2021



NSEI:BHAREquity Sha Bharti Airt	23.31 Common SNifty 50 (IrCommunicWireless T Communic	2022
NSEI:BHAREquity Sha Bharti Airt	23.31 Common SNifty 50 (IrCommunicWireless T Communic	2023
NSEI:BHAREquity Sha Bharti Airt	23.31 Common SNifty 50 (IrCommunicWireless T Communic	2024
NSEI:CIPLAEquity Sha Cipla Limit	17.37 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2020
NSEI:CIPLAEquity Sha Cipla Limit	17.37 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2021
NSEI:CIPLAEquity Sha Cipla Limit	17.37 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2022
NSEI:CIPLAEquity Sha Cipla Limit	17.37 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2023
NSEI:CIPLAEquity Sha Cipla Limit	17.37 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2024
NSEI:COALEquity Sha Coal India	4.37 Common SNifty 50 (IrEnergy Coal and CEnergy (Pr	2020
NSEI:COALEquity Sha Coal India	4.37 Common SNifty 50 (IrEnergy Coal and CEnergy (Pr	2021
NSEI:COALEquity Sha Coal India	4.37 Common SNifty 50 (IrEnergy Coal and CEnergy (Pr	2022
NSEI:COALEquity Sha Coal India	4.37 Common SNifty 50 (IrEnergy Coal and CEnergy (Pr	2023
NSEI:COALEquity Sha Coal India	4.37 Common SNifty 50 (IrEnergy Coal and CEnergy (Pr	2024
NSEI:DRREEquity Sha Dr. Reddy's	13.56 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2020
NSEI:DRREEquity Sha Dr. Reddy's	13.56 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2021
NSEI:DRREEquity Sha Dr. Reddy's	13.56 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2022
NSEI:DRREEquity Sha Dr. Reddy's	13.56 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2023
NSEI:DRREEquity Sha Dr. Reddy's	13.56 Common SNifty 50 (IrHealth Car PharmaceiHealth Car	2024
NSEI:EICH Equity Sha Eicher Mot	77.71 Common SNifty 50 (IrConsumer MotorcyclConsumer	2020
NSEI:EICH Equity Sha Eicher Mot	77.71 Common SNifty 50 (IrConsumer MotorcyclConsumer	2021
NSEI:EICH Equity Sha Eicher Mot	77.71 Common SNifty 50 (IrConsumer MotorcyclConsumer	2022
NSEI:EICH Equity Sha Eicher Mot	77.71 Common SNifty 50 (IrConsumer MotorcyclConsumer	2023
NSEI:EICH Equity Sha Eicher Mot	77.71 Common SNifty 50 (IrConsumer MotorcyclConsumer	2024
NSEI:ETER Equity Sha Eternal Lin	3.72 Common SNifty 50 (IrConsumer RestaurantConsumer	2020
NSEI:ETER Equity Sha Eternal Lin	3.72 Common SNifty 50 (IrConsumer RestaurantConsumer	2021
NSEI:ETER Equity Sha Eternal Lin	3.72 Common SNifty 50 (IrConsumer RestaurantConsumer	2022
NSEI:ETER Equity Sha Eternal Lin	3.72 Common SNifty 50 (IrConsumer RestaurantConsumer	2023
NSEI:ETER Equity Sha Eternal Lin	3.72 Common SNifty 50 (IrConsumer RestaurantConsumer	2024
NSEI:GRASEquity Sha Grasim Ind	33.28 Common SNifty 50 (IrMaterials Constructi Materials (	2020
NSEI:GRASEquity Sha Grasim Ind	33.28 Common SNifty 50 (IrMaterials Constructi Materials (	2021
NSEI:GRASEquity Sha Grasim Ind	33.28 Common SNifty 50 (IrMaterials Constructi Materials (	2022
NSEI:GRASEquity Sha Grasim Ind	33.28 Common SNifty 50 (IrMaterials Constructi Materials (	2023
NSEI:GRASEquity Sha Grasim Ind	33.28 Common SNifty 50 (IrMaterials Constructi Materials (	2024
NSEI:HCLT Equity Sha HCL Techn	17.48 Common SNifty 50 (IrInformatioIT Consulti Informatio	2020
NSEI:HCLT Equity Sha HCL Techn	17.48 Common SNifty 50 (IrInformatioIT Consulti Informatio	2021
NSEI:HCLT Equity Sha HCL Techn	17.48 Common SNifty 50 (IrInformatioIT Consulti Informatio	2022
NSEI:HCLT Equity Sha HCL Techn	17.48 Common SNifty 50 (IrInformatioIT Consulti Informatio	2023
NSEI:HCLT Equity Sha HCL Techn	17.48 Common SNifty 50 (IrInformatioIT Consulti Informatio	2024
NSEI:HDFCEquity Sha HDFC Bank	11.26 Common SNifty 50 (IrFinancials DiversifiedFinancials	2020
NSEI:HDFCEquity Sha HDFC Bank	11.26 Common SNifty 50 (IrFinancials DiversifiedFinancials	2021
NSEI:HDFCEquity Sha HDFC Bank	11.26 Common SNifty 50 (IrFinancials DiversifiedFinancials	2022
NSEI:HDFCEquity Sha HDFC Bank	11.26 Common SNifty 50 (IrFinancials DiversifiedFinancials	2023
NSEI:HDFCEquity Sha HDFC Bank	11.26 Common SNifty 50 (IrFinancials DiversifiedFinancials	2024

NSEI:HDFCEquity Sha HDFC Life	8.42 Common SNifty 50 (IrFinancials Life and HcFinancials	2020
NSEI:HDFCEquity Sha HDFC Life	8.42 Common SNifty 50 (IrFinancials Life and HcFinancials	2021
NSEI:HDFCEquity Sha HDFC Life	8.42 Common SNifty 50 (IrFinancials Life and HcFinancials	2022
NSEI:HDFCEquity Sha HDFC Life	8.42 Common SNifty 50 (IrFinancials Life and HcFinancials	2023
NSEI:HDFCEquity Sha HDFC Life	8.42 Common SNifty 50 (IrFinancials Life and HcFinancials	2024
NSEI:HIND Equity Sha Hindalco Ir	9.72 Common SNifty 50 (IrMaterials Aluminum Materials (	2020
NSEI:HIND Equity Sha Hindalco Ir	9.72 Common SNifty 50 (IrMaterials Aluminum Materials (	2021
NSEI:HIND Equity Sha Hindalco Ir	9.72 Common SNifty 50 (IrMaterials Aluminum Materials (	2022
NSEI:HIND Equity Sha Hindalco Ir	9.72 Common SNifty 50 (IrMaterials Aluminum Materials (	2023
NSEI:HIND Equity Sha Hindalco Ir	9.72 Common SNifty 50 (IrMaterials Aluminum Materials (	2024
NSEI:HIND Ordinary S Hindustan	27.86 Common SNifty 50 (IrConsumer Personal CConsumer	2020
NSEI:HIND Ordinary S Hindustan	27.86 Common SNifty 50 (IrConsumer Personal CConsumer	2021
NSEI:HIND Ordinary S Hindustan	27.86 Common SNifty 50 (IrConsumer Personal CConsumer	2022
NSEI:HIND Ordinary S Hindustan	27.86 Common SNifty 50 (IrConsumer Personal CConsumer	2023
NSEI:HIND Ordinary S Hindustan	27.86 Common SNifty 50 (IrConsumer Personal CConsumer	2024
NSEI:ICICI Equity Sha ICICI Bank	15.37 Common SNifty 50 (IrFinancials DiversifiedFinancials	2020
NSEI:ICICI Equity Sha ICICI Bank	15.37 Common SNifty 50 (IrFinancials DiversifiedFinancials	2021
NSEI:ICICI Equity Sha ICICI Bank	15.37 Common SNifty 50 (IrFinancials DiversifiedFinancials	2022
NSEI:ICICI Equity Sha ICICI Bank	15.37 Common SNifty 50 (IrFinancials DiversifiedFinancials	2023
NSEI:ICICI Equity Sha ICICI Bank	15.37 Common SNifty 50 (IrFinancials DiversifiedFinancials	2024
NSEI:ITC Ordinary S ITC Limitec	4.72 Common SNifty 50 (IrConsumer Tobacco Consumer	2020
NSEI:ITC Ordinary S ITC Limitec	4.72 Common SNifty 50 (IrConsumer Tobacco Consumer	2021
NSEI:ITC Ordinary S ITC Limitec	4.72 Common SNifty 50 (IrConsumer Tobacco Consumer	2022
NSEI:ITC Ordinary S ITC Limitec	4.72 Common SNifty 50 (IrConsumer Tobacco Consumer	2023
NSEI:ITC Ordinary S ITC Limitec	4.72 Common SNifty 50 (IrConsumer Tobacco Consumer	2024
NSEI:INFY Equity Sha Infosys Lir	16.85 Common SNifty 50 (IrInformatioIT Consulti Informatio	2020
NSEI:INFY Equity Sha Infosys Lir	16.85 Common SNifty 50 (IrInformatioIT Consulti Informatio	2021
NSEI:INFY Equity Sha Infosys Lir	16.85 Common SNifty 50 (IrInformatioIT Consulti Informatio	2022
NSEI:INFY Equity Sha Infosys Lir	16.85 Common SNifty 50 (IrInformatioIT Consulti Informatio	2023
NSEI:INFY Equity Sha Infosys Lir	16.85 Common SNifty 50 (IrInformatioIT Consulti Informatio	2024
NSEI:INDI Equity Sha InterGlobe	64.58 Common SNifty 50 (IrIndustrials Passenger Industrials	2020
NSEI:INDI Equity Sha InterGlobe	64.58 Common SNifty 50 (IrIndustrials Passenger Industrials	2021
NSEI:INDI Equity Sha InterGlobe	64.58 Common SNifty 50 (IrIndustrials Passenger Industrials	2022
NSEI:INDI Equity Sha InterGlobe	64.58 Common SNifty 50 (IrIndustrials Passenger Industrials	2023
NSEI:INDI Equity Sha InterGlobe	64.58 Common SNifty 50 (IrIndustrials Passenger Industrials	2024
NSEI:JSWS Equity Sha JSW Steel	13.65 Common SNifty 50 (IrMaterials Steel Materials (	2020
NSEI:JSWS Equity Sha JSW Steel	13.65 Common SNifty 50 (IrMaterials Steel Materials (	2021
NSEI:JSWS Equity Sha JSW Steel	13.65 Common SNifty 50 (IrMaterials Steel Materials (	2022
NSEI:JSWS Equity Sha JSW Steel	13.65 Common SNifty 50 (IrMaterials Steel Materials (	2023
NSEI:JSWS Equity Sha JSW Steel	13.65 Common SNifty 50 (IrMaterials Steel Materials (	2024
NSEI:JIOFI Equity Sha Jio Financi	3.49 Common SNifty 50 (IrFinancials DiversifiedFinancials	2020
NSEI:JIOFI Equity Sha Jio Financi	3.49 Common SNifty 50 (IrFinancials DiversifiedFinancials	2021
NSEI:JIOFI Equity Sha Jio Financi	3.49 Common SNifty 50 (IrFinancials DiversifiedFinancials	2022

NSEI:JIOFI Equity Sha Jio Financi	3.49 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2023
NSEI:JIOFI Equity Sha Jio Financi	3.49 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2024
NSEI:KOTAEquity Sha Kotak Mah	24.11 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2020
NSEI:KOTAEquity Sha Kotak Mah	24.11 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2021
NSEI:KOTAEquity Sha Kotak Mah	24.11 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2022
NSEI:KOTAEquity Sha Kotak Mah	24.11 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2023
NSEI:KOTAEquity Sha Kotak Mah	24.11 Common SNifty 50 (IrFinancials	DiversifiedFinancials	2024
NSEI:LT Equity Sha Larsen & T	44.98 Common SNifty 50 (IrIndustrials	Constructi Industrials	2020
NSEI:LT Equity Sha Larsen & T	44.98 Common SNifty 50 (IrIndustrials	Constructi Industrials	2021
NSEI:LT Equity Sha Larsen & T	44.98 Common SNifty 50 (IrIndustrials	Constructi Industrials	2022
NSEI:LT Equity Sha Larsen & T	44.98 Common SNifty 50 (IrIndustrials	Constructi Industrials	2023
NSEI:LT Equity Sha Larsen & T	44.98 Common SNifty 50 (IrIndustrials	Constructi Industrials	2024
NSEI:M&MOrdinary S Mahindra	39.51 Common SNifty 50 (IrConsumer	Automobil Consumer	2020
NSEI:M&MOrdinary S Mahindra	39.51 Common SNifty 50 (IrConsumer	Automobil Consumer	2021
NSEI:M&MOrdinary S Mahindra	39.51 Common SNifty 50 (IrConsumer	Automobil Consumer	2022
NSEI:M&MOrdinary S Mahindra	39.51 Common SNifty 50 (IrConsumer	Automobil Consumer	2023
NSEI:M&MOrdinary S Mahindra	39.51 Common SNifty 50 (IrConsumer	Automobil Consumer	2024
NSEI:MARIEquity Sha Maruti Suz	182.82 Common SNifty 50 (IrConsumer	Automobil Consumer	2020
NSEI:MARIEquity Sha Maruti Suz	182.82 Common SNifty 50 (IrConsumer	Automobil Consumer	2021
NSEI:MARIEquity Sha Maruti Suz	182.82 Common SNifty 50 (IrConsumer	Automobil Consumer	2022
NSEI:MARIEquity Sha Maruti Suz	182.82 Common SNifty 50 (IrConsumer	Automobil Consumer	2023
NSEI:MARIEquity Sha Maruti Suz	182.82 Common SNifty 50 (IrConsumer	Automobil Consumer	2024
NSEI:MAXIEquity Sha Max Healthl	13.29 Common SNifty 50 (IrHealth Car	Health Car Health Car	2020
NSEI:MAXIEquity Sha Max Healthl	13.29 Common SNifty 50 (IrHealth Car	Health Car Health Car	2021
NSEI:MAXIEquity Sha Max Healthl	13.29 Common SNifty 50 (IrHealth Car	Health Car Health Car	2022
NSEI:MAXIEquity Sha Max Healthl	13.29 Common SNifty 50 (IrHealth Car	Health Car Health Car	2023
NSEI:MAXIEquity Sha Max Healthl	13.29 Common SNifty 50 (IrHealth Car	Health Car Health Car	2024
NSEI:NTPCEquity Sha NTPC Limit	3.89 Common SNifty 50 (IrUtilities	IndependeUtilities (P	2020
NSEI:NTPCEquity Sha NTPC Limit	3.89 Common SNifty 50 (IrUtilities	IndependeUtilities (P	2021
NSEI:NTPCEquity Sha NTPC Limit	3.89 Common SNifty 50 (IrUtilities	IndependeUtilities (P	2022
NSEI:NTPCEquity Sha NTPC Limit	3.89 Common SNifty 50 (IrUtilities	IndependeUtilities (P	2023
NSEI:NTPCEquity Sha NTPC Limit	3.89 Common SNifty 50 (IrUtilities	IndependeUtilities (P	2024
NSEI:NEST Equity Sha Nestlé Indi	14.44 Common SNifty 50 (IrConsumer	Packaged IConsumer	2020
NSEI:NEST Equity Sha Nestlé Indi	14.44 Common SNifty 50 (IrConsumer	Packaged IConsumer	2021
NSEI:NEST Equity Sha Nestlé Indi	14.44 Common SNifty 50 (IrConsumer	Packaged IConsumer	2022
NSEI:NEST Equity Sha Nestlé Indi	14.44 Common SNifty 50 (IrConsumer	Packaged IConsumer	2023
NSEI:NEST Equity Sha Nestlé Indi	14.44 Common SNifty 50 (IrConsumer	Packaged IConsumer	2024
NSEI:ONGCEquity Sha Oil and Na	2.87 Common SNifty 50 (IrEnergy	Integrated Energy (Pr	2020
NSEI:ONGCEquity Sha Oil and Na	2.87 Common SNifty 50 (IrEnergy	Integrated Energy (Pr	2021
NSEI:ONGCEquity Sha Oil and Na	2.87 Common SNifty 50 (IrEnergy	Integrated Energy (Pr	2022
NSEI:ONGCEquity Sha Oil and Na	2.87 Common SNifty 50 (IrEnergy	Integrated Energy (Pr	2023
NSEI:ONGCEquity Sha Oil and Na	2.87 Common SNifty 50 (IrEnergy	Integrated Energy (Pr	2024
NSEI:POWIEquity Sha Power Gric	3.29 Common SNifty 50 (IrUtilities	Electric UtiUtilities (P	2020

NSEI:POWIEquity Sha Power Grid	3.29 Common S	Nifty 50 (IrUtilities	Electric Utility	Utilities (P	2021
NSEI:POWIEquity Sha Power Grid	3.29 Common S	Nifty 50 (IrUtilities	Electric Utility	Utilities (P	2022
NSEI:POWIEquity Sha Power Grid	3.29 Common S	Nifty 50 (IrUtilities	Electric Utility	Utilities (P	2023
NSEI:POWIEquity Sha Power Grid	3.29 Common S	Nifty 50 (IrUtilities	Electric Utility	Utilities (P	2024
NSEI:RELI Equity Sha Reliance Industries	16.79 Common S	Nifty 50 (IrEnergy	Oil and Gas	Energy (Pr	2020
NSEI:RELI Equity Sha Reliance Industries	16.79 Common S	Nifty 50 (IrEnergy	Oil and Gas	Energy (Pr	2021
NSEI:RELI Equity Sha Reliance Industries	16.79 Common S	Nifty 50 (IrEnergy	Oil and Gas	Energy (Pr	2022
NSEI:RELI Equity Sha Reliance Industries	16.79 Common S	Nifty 50 (IrEnergy	Oil and Gas	Energy (Pr	2023
NSEI:RELI Equity Sha Reliance Industries	16.79 Common S	Nifty 50 (IrEnergy	Oil and Gas	Energy (Pr	2024
NSEI:SBILIFEquity Sha SBI Life Insurance	22.21 Common S	Nifty 50 (IrFinancials	Life and Health	Financials	2020
NSEI:SBILIFEquity Sha SBI Life Insurance	22.21 Common S	Nifty 50 (IrFinancials	Life and Health	Financials	2021
NSEI:SBILIFEquity Sha SBI Life Insurance	22.21 Common S	Nifty 50 (IrFinancials	Life and Health	Financials	2022
NSEI:SBILIFEquity Sha SBI Life Insurance	22.21 Common S	Nifty 50 (IrFinancials	Life and Health	Financials	2023
NSEI:SBILIFEquity Sha SBI Life Insurance	22.21 Common S	Nifty 50 (IrFinancials	Life and Health	Financials	2024
NSEI:SHRI Equity Sha Shriram Finance	8.33 Common S	Nifty 50 (IrFinancials	Consumer	Financials	2020
NSEI:SHRI Equity Sha Shriram Finance	8.33 Common S	Nifty 50 (IrFinancials	Consumer	Financials	2021
NSEI:SHRI Equity Sha Shriram Finance	8.33 Common S	Nifty 50 (IrFinancials	Consumer	Financials	2022
NSEI:SHRI Equity Sha Shriram Finance	8.33 Common S	Nifty 50 (IrFinancials	Consumer	Financials	2023
NSEI:SHRI Equity Sha Shriram Finance	8.33 Common S	Nifty 50 (IrFinancials	Consumer	Financials	2024
NSEI:SBIN Equity Sha State Bank	10.54 Common S	Nifty 50 (IrFinancials	Diversified	Financials	2020
NSEI:SBIN Equity Sha State Bank	10.54 Common S	Nifty 50 (IrFinancials	Diversified	Financials	2021
NSEI:SBIN Equity Sha State Bank	10.54 Common S	Nifty 50 (IrFinancials	Diversified	Financials	2022
NSEI:SBIN Equity Sha State Bank	10.54 Common S	Nifty 50 (IrFinancials	Diversified	Financials	2023
NSEI:SBIN Equity Sha State Bank	10.54 Common S	Nifty 50 (IrFinancials	Diversified	Financials	2024
NSEI:SUN Equity Sha Sun Pharmaceutical	19.22 Common S	Nifty 50 (IrHealth Care	Pharmaceutical	Health Care	2020
NSEI:SUN Equity Sha Sun Pharmaceutical	19.22 Common S	Nifty 50 (IrHealth Care	Pharmaceutical	Health Care	2021
NSEI:SUN Equity Sha Sun Pharmaceutical	19.22 Common S	Nifty 50 (IrHealth Care	Pharmaceutical	Health Care	2022
NSEI:SUN Equity Sha Sun Pharmaceutical	19.22 Common S	Nifty 50 (IrHealth Care	Pharmaceutical	Health Care	2023
NSEI:SUN Equity Sha Sun Pharmaceutical	19.22 Common S	Nifty 50 (IrHealth Care	Pharmaceutical	Health Care	2024
NSEI:TCS Equity Sha Tata Consultancy	34.24 Common S	Nifty 50 (IrInformation Technology	IT Consulting	Information Technology	2020
NSEI:TCS Equity Sha Tata Consultancy	34.24 Common S	Nifty 50 (IrInformation Technology	IT Consulting	Information Technology	2021
NSEI:TCS Equity Sha Tata Consultancy	34.24 Common S	Nifty 50 (IrInformation Technology	IT Consulting	Information Technology	2022
NSEI:TCS Equity Sha Tata Consultancy	34.24 Common S	Nifty 50 (IrInformation Technology	IT Consulting	Information Technology	2023
NSEI:TCS Equity Sha Tata Consultancy	34.24 Common S	Nifty 50 (IrInformation Technology	IT Consulting	Information Technology	2024
NSEI:TAT Equity Sha Tata Consumer	13.27 Common S	Nifty 50 (IrConsumer Packaged Goods	Consumer Packaged Goods	Consumer Packaged Goods	2020
NSEI:TAT Equity Sha Tata Consumer	13.27 Common S	Nifty 50 (IrConsumer Packaged Goods	Consumer Packaged Goods	Consumer Packaged Goods	2021
NSEI:TAT Equity Sha Tata Consumer	13.27 Common S	Nifty 50 (IrConsumer Packaged Goods	Consumer Packaged Goods	Consumer Packaged Goods	2022
NSEI:TAT Equity Sha Tata Consumer	13.27 Common S	Nifty 50 (IrConsumer Packaged Goods	Consumer Packaged Goods	Consumer Packaged Goods	2023
NSEI:TAT Equity Sha Tata Consumer	13.27 Common S	Nifty 50 (IrConsumer Packaged Goods	Consumer Packaged Goods	Consumer Packaged Goods	2024
NSEI:TMP\Ordinary S Tata Motors	4.65 Common S	Nifty 50 (IrConsumer Automobile	Consumer Automobile	Consumer Automobile	2020
NSEI:TMP\Ordinary S Tata Motors	4.65 Common S	Nifty 50 (IrConsumer Automobile	Consumer Automobile	Consumer Automobile	2021
NSEI:TMP\Ordinary S Tata Motors	4.65 Common S	Nifty 50 (IrConsumer Automobile	Consumer Automobile	Consumer Automobile	2022
NSEI:TMP\Ordinary S Tata Motors	4.65 Common S	Nifty 50 (IrConsumer Automobile	Consumer Automobile	Consumer Automobile	2023

NSEI:TMP\Ordinary S Tata Moto	4.65 Common SNifty 50 (IrConsumer Automobil Consumer	2024
NSEI:TATA Ordinary S Tata Steel	2.08 Common SNifty 50 (IrMaterials Steel Materials (	2020
NSEI:TATA Ordinary S Tata Steel	2.08 Common SNifty 50 (IrMaterials Steel Materials (	2021
NSEI:TATA Ordinary S Tata Steel	2.08 Common SNifty 50 (IrMaterials Steel Materials (	2022
NSEI:TATA Ordinary S Tata Steel	2.08 Common SNifty 50 (IrMaterials Steel Materials (	2023
NSEI:TATA Ordinary S Tata Steel	2.08 Common SNifty 50 (IrMaterials Steel Materials (	2024
NSEI:TECH Equity Sha Tech Mahi	16.17 Common SNifty 50 (IrInformatioIT Consulti Informatio	2020
NSEI:TECH Equity Sha Tech Mahi	16.17 Common SNifty 50 (IrInformatioIT Consulti Informatio	2021
NSEI:TECH Equity Sha Tech Mahi	16.17 Common SNifty 50 (IrInformatioIT Consulti Informatio	2022
NSEI:TECH Equity Sha Tech Mahi	16.17 Common SNifty 50 (IrInformatioIT Consulti Informatio	2023
NSEI:TECH Equity Sha Tech Mahi	16.17 Common SNifty 50 (IrInformatioIT Consulti Informatio	2024
NSEI:TITANEquity Sha Titan Comj	42.31 Common SNifty 50 (IrConsumer Apparel, A Consumer	2020
NSEI:TITANEquity Sha Titan Comj	42.31 Common SNifty 50 (IrConsumer Apparel, A Consumer	2021
NSEI:TITANEquity Sha Titan Comj	42.31 Common SNifty 50 (IrConsumer Apparel, A Consumer	2022
NSEI:TITANEquity Sha Titan Comj	42.31 Common SNifty 50 (IrConsumer Apparel, A Consumer	2023
NSEI:TITANEquity Sha Titan Comj	42.31 Common SNifty 50 (IrConsumer Apparel, A Consumer	2024
NSEI:TRENEquity Sha Trent Limi	53.52 Common SNifty 50 (IrConsumer Apparel ReConsumer	2020
NSEI:TRENEquity Sha Trent Limi	53.52 Common SNifty 50 (IrConsumer Apparel ReConsumer	2021
NSEI:TRENEquity Sha Trent Limi	53.52 Common SNifty 50 (IrConsumer Apparel ReConsumer	2022
NSEI:TRENEquity Sha Trent Limi	53.52 Common SNifty 50 (IrConsumer Apparel ReConsumer	2023
NSEI:TRENEquity Sha Trent Limi	53.52 Common SNifty 50 (IrConsumer Apparel ReConsumer	2024
NSEI:ULTR Equity Sha UltraTech	135.97 Common SNifty 50 (IrMaterials Constructi Materials (	2020
NSEI:ULTR Equity Sha UltraTech	135.97 Common SNifty 50 (IrMaterials Constructi Materials (	2021
NSEI:ULTR Equity Sha UltraTech	135.97 Common SNifty 50 (IrMaterials Constructi Materials (	2022
NSEI:ULTR Equity Sha UltraTech	135.97 Common SNifty 50 (IrMaterials Constructi Materials (	2023
NSEI:ULTR Equity Sha UltraTech	135.97 Common SNifty 50 (IrMaterials Constructi Materials (	2024
NSEI:WIPREquity Sha Wipro Limi	2.73 Common SNifty 50 (IrInformatioIT Consulti Informatio	2020
NSEI:WIPREquity Sha Wipro Limi	2.73 Common SNifty 50 (IrInformatioIT Consulti Informatio	2021
NSEI:WIPREquity Sha Wipro Limi	2.73 Common SNifty 50 (IrInformatioIT Consulti Informatio	2022
NSEI:WIPREquity Sha Wipro Limi	2.73 Common SNifty 50 (IrInformatioIT Consulti Informatio	2023
NSEI:WIPREquity Sha Wipro Limi	2.73 Common SNifty 50 (IrInformatioIT Consulti Informatio	2024
TSE:5201 Common SAGC Inc.	31.19 Common SNikkei 225 Industrials Building PrIndustrials	2020
TSE:5201 Common SAGC Inc.	31.19 Common SNikkei 225 Industrials Building PrIndustrials	2021
TSE:5201 Common SAGC Inc.	31.19 Common SNikkei 225 Industrials Building PrIndustrials	2022
TSE:5201 Common SAGC Inc.	31.19 Common SNikkei 225 Industrials Building PrIndustrials	2023
TSE:5201 Common SAGC Inc.	31.19 Common SNikkei 225 Industrials Building PrIndustrials	2024
TSE:9202 Common SANA Holdii	18.02 Common SNikkei 225 Industrials Passenger Industrials	2020
TSE:9202 Common SANA Holdii	18.02 Common SNikkei 225 Industrials Passenger Industrials	2021
TSE:9202 Common SANA Holdii	18.02 Common SNikkei 225 Industrials Passenger Industrials	2022
TSE:9202 Common SANA Holdii	18.02 Common SNikkei 225 Industrials Passenger Industrials	2023
TSE:9202 Common SANA Holdii	18.02 Common SNikkei 225 Industrials Passenger Industrials	2024
TSE:6857 Ordinary S Advantest	144.51 Common SNikkei 225 InformatioSemiconduInformatio	2020
TSE:6857 Ordinary S Advantest	144.51 Common SNikkei 225 InformatioSemiconduInformatio	2021

TSE:6857	Ordinary S Advantest	144.51	Common S Nikkei 225 Informatio	Semicondu	Informatio	2022
TSE:6857	Ordinary S Advantest	144.51	Common S Nikkei 225 Informatio	Semicondu	Informatio	2023
TSE:6857	Ordinary S Advantest	144.51	Common S Nikkei 225 Informatio	Semicondu	Informatio	2024
TSE:8267	Common S Aeon Co., I	15.56	Common S Nikkei 225 Consumer	Consumer	Consumer	2020
TSE:8267	Common S Aeon Co., I	15.56	Common S Nikkei 225 Consumer	Consumer	Consumer	2021
TSE:8267	Common S Aeon Co., I	15.56	Common S Nikkei 225 Consumer	Consumer	Consumer	2022
TSE:8267	Common S Aeon Co., I	15.56	Common S Nikkei 225 Consumer	Consumer	Consumer	2023
TSE:8267	Common S Aeon Co., I	15.56	Common S Nikkei 225 Consumer	Consumer	Consumer	2024
TSE:2802	Common S Ajinomoto	27.36	Common S Nikkei 225 Consumer	Packaged I	Consumer	2020
TSE:2802	Common S Ajinomoto	27.36	Common S Nikkei 225 Consumer	Packaged I	Consumer	2021
TSE:2802	Common S Ajinomoto	27.36	Common S Nikkei 225 Consumer	Packaged I	Consumer	2022
TSE:2802	Common S Ajinomoto	27.36	Common S Nikkei 225 Consumer	Packaged I	Consumer	2023
TSE:2802	Common S Ajinomoto	27.36	Common S Nikkei 225 Consumer	Packaged I	Consumer	2024
TSE:6770	Common S Alps Alpine	12.51	Common S Nikkei 225 Informatio	Electronic	Informatio	2020
TSE:6770	Common S Alps Alpine	12.51	Common S Nikkei 225 Informatio	Electronic	Informatio	2021
TSE:6770	Common S Alps Alpine	12.51	Common S Nikkei 225 Informatio	Electronic	Informatio	2022
TSE:6770	Common S Alps Alpine	12.51	Common S Nikkei 225 Informatio	Electronic	Informatio	2023
TSE:6770	Common S Alps Alpine	12.51	Common S Nikkei 225 Informatio	Electronic	Informatio	2024
TSE:6113	Common S Amada Co.	12.11	Common S Nikkei 225 Industrials	Industrial	Industrials	2020
TSE:6113	Common S Amada Co.	12.11	Common S Nikkei 225 Industrials	Industrial	Industrials	2021
TSE:6113	Common S Amada Co.	12.11	Common S Nikkei 225 Industrials	Industrial	Industrials	2022
TSE:6113	Common S Amada Co.	12.11	Common S Nikkei 225 Industrials	Industrial	Industrials	2023
TSE:6113	Common S Amada Co.	12.11	Common S Nikkei 225 Industrials	Industrial	Industrials	2024
TSE:8304	Common S Aozora Bar	14.34	Common S Nikkei 225 Financials	Diversified	Financials	2020
TSE:8304	Common S Aozora Bar	14.34	Common S Nikkei 225 Financials	Diversified	Financials	2021
TSE:8304	Common S Aozora Bar	14.34	Common S Nikkei 225 Financials	Diversified	Financials	2022
TSE:8304	Common S Aozora Bar	14.34	Common S Nikkei 225 Financials	Diversified	Financials	2023
TSE:8304	Common S Aozora Bar	14.34	Common S Nikkei 225 Financials	Diversified	Financials	2024
TSE:2502	Common S Asahi Gro	10.87	Common S Nikkei 225 Consumer	Brewers	Consumer	2020
TSE:2502	Common S Asahi Gro	10.87	Common S Nikkei 225 Consumer	Brewers	Consumer	2021
TSE:2502	Common S Asahi Gro	10.87	Common S Nikkei 225 Consumer	Brewers	Consumer	2022
TSE:2502	Common S Asahi Gro	10.87	Common S Nikkei 225 Consumer	Brewers	Consumer	2023
TSE:2502	Common S Asahi Gro	10.87	Common S Nikkei 225 Consumer	Brewers	Consumer	2024
TSE:3407	Common S Asahi Kase	7.73	Common S Nikkei 225 Materials	Commodit	Materials (	2020
TSE:3407	Common S Asahi Kase	7.73	Common S Nikkei 225 Materials	Commodit	Materials (	2021
TSE:3407	Common S Asahi Kase	7.73	Common S Nikkei 225 Materials	Commodit	Materials (	2022
TSE:3407	Common S Asahi Kase	7.73	Common S Nikkei 225 Materials	Commodit	Materials (	2023
TSE:3407	Common S Asahi Kase	7.73	Common S Nikkei 225 Materials	Commodit	Materials (	2024
TSE:4503	Common S Astellas Ph	10.38	Common S Nikkei 225 Health Car	Pharmacei	Health Car	2020
TSE:4503	Common S Astellas Ph	10.38	Common S Nikkei 225 Health Car	Pharmacei	Health Car	2021
TSE:4503	Common S Astellas Ph	10.38	Common S Nikkei 225 Health Car	Pharmacei	Health Car	2022
TSE:4503	Common S Astellas Ph	10.38	Common S Nikkei 225 Health Car	Pharmacei	Health Car	2023
TSE:4503	Common S Astellas Ph	10.38	Common S Nikkei 225 Health Car	Pharmacei	Health Car	2024

TSE:7832	Common SBANDAI N/	30.63 Common SNikkei 225 Consumer Leisure Pr	Consumer	2020
TSE:7832	Common SBANDAI N/	30.63 Common SNikkei 225 Consumer Leisure Pr	Consumer	2021
TSE:7832	Common SBANDAI N/	30.63 Common SNikkei 225 Consumer Leisure Pr	Consumer	2022
TSE:7832	Common SBANDAI N/	30.63 Common SNikkei 225 Consumer Leisure Pr	Consumer	2023
TSE:7832	Common SBANDAI N/	30.63 Common SNikkei 225 Consumer Leisure Pr	Consumer	2024
TSE:6532	Common SBaycurrent	45.72 Common SNikkei 225 Industrials Research a	Industrials	2020
TSE:6532	Common SBaycurrent	45.72 Common SNikkei 225 Industrials Research a	Industrials	2021
TSE:6532	Common SBaycurrent	45.72 Common SNikkei 225 Industrials Research a	Industrials	2022
TSE:6532	Common SBaycurrent	45.72 Common SNikkei 225 Industrials Research a	Industrials	2023
TSE:6532	Common SBaycurrent	45.72 Common SNikkei 225 Industrials Research a	Industrials	2024
TSE:5108	Common SBridgeston	43.76 Common SNikkei 225 Consumer Tires and	Consumer	2020
TSE:5108	Common SBridgeston	43.76 Common SNikkei 225 Consumer Tires and	Consumer	2021
TSE:5108	Common SBridgeston	43.76 Common SNikkei 225 Consumer Tires and	Consumer	2022
TSE:5108	Common SBridgeston	43.76 Common SNikkei 225 Consumer Tires and	Consumer	2023
TSE:5108	Common SBridgeston	43.76 Common SNikkei 225 Consumer Tires and	Consumer	2024
TSE:1721	Common SCOMSYS H	25.14 Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:1721	Common SCOMSYS H	25.14 Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:1721	Common SCOMSYS H	25.14 Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:1721	Common SCOMSYS H	25.14 Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:1721	Common SCOMSYS H	25.14 Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:7751	Common SCanon Inc.	28.64 Common SNikkei 225 InformatioTechnolog	Informatio	2020
TSE:7751	Common SCanon Inc.	28.64 Common SNikkei 225 InformatioTechnolog	Informatio	2021
TSE:7751	Common SCanon Inc.	28.64 Common SNikkei 225 InformatioTechnolog	Informatio	2022
TSE:7751	Common SCanon Inc.	28.64 Common SNikkei 225 InformatioTechnolog	Informatio	2023
TSE:7751	Common SCanon Inc.	28.64 Common SNikkei 225 InformatioTechnolog	Informatio	2024
TSE:6952	Common SCasio Com	7.87 Common SNikkei 225 Consumer Consumer	Consumer	2020
TSE:6952	Common SCasio Com	7.87 Common SNikkei 225 Consumer Consumer	Consumer	2021
TSE:6952	Common SCasio Com	7.87 Common SNikkei 225 Consumer Consumer	Consumer	2022
TSE:6952	Common SCasio Com	7.87 Common SNikkei 225 Consumer Consumer	Consumer	2023
TSE:6952	Common SCasio Com	7.87 Common SNikkei 225 Consumer Consumer	Consumer	2024
TSE:9022	Common SCentral Ja	24.61 Common SNikkei 225 Industrials Rail Transp	Industrials	2020
TSE:9022	Common SCentral Ja	24.61 Common SNikkei 225 Industrials Rail Transp	Industrials	2021
TSE:9022	Common SCentral Ja	24.61 Common SNikkei 225 Industrials Rail Transp	Industrials	2022
TSE:9022	Common SCentral Ja	24.61 Common SNikkei 225 Industrials Rail Transp	Industrials	2023
TSE:9022	Common SCentral Ja	24.61 Common SNikkei 225 Industrials Rail Transp	Industrials	2024
TSE:9502	Common SChubu Elec	13.6 Common SNikkei 225 Utilities	Electric UtiUtilities (P	2020
TSE:9502	Common SChubu Elec	13.6 Common SNikkei 225 Utilities	Electric UtiUtilities (P	2021
TSE:9502	Common SChubu Elec	13.6 Common SNikkei 225 Utilities	Electric UtiUtilities (P	2022
TSE:9502	Common SChubu Elec	13.6 Common SNikkei 225 Utilities	Electric UtiUtilities (P	2023
TSE:9502	Common SChubu Elec	13.6 Common SNikkei 225 Utilities	Electric UtiUtilities (P	2024
TSE:4519	Common SCHugai Phz	44.18 Common SNikkei 225 Health Car Pharmace	Health Car	2020
TSE:4519	Common SCHugai Phz	44.18 Common SNikkei 225 Health Car Pharmace	Health Car	2021
TSE:4519	Common SCHugai Phz	44.18 Common SNikkei 225 Health Car Pharmace	Health Car	2022

TSE:4519	Common SChugai Pha	44.18 Common SNikkei 225 Health Car Pharmacei	Health Car	2023
TSE:4519	Common SChugai Pha	44.18 Common SNikkei 225 Health Car Pharmacei	Health Car	2024
TSE:8253	Common SCredit Sais	24.32 Common SNikkei 225 Financials	Consumer Financials	2020
TSE:8253	Common SCredit Sais	24.32 Common SNikkei 225 Financials	Consumer Financials	2021
TSE:8253	Common SCredit Sais	24.32 Common SNikkei 225 Financials	Consumer Financials	2022
TSE:8253	Common SCredit Sais	24.32 Common SNikkei 225 Financials	Consumer Financials	2023
TSE:8253	Common SCredit Sais	24.32 Common SNikkei 225 Financials	Consumer Financials	2024
TSE:4751	Common SCyberAgen	9.9 Common SNikkei 225 Communic	AdvertisingCommunica	2020
TSE:4751	Common SCyberAgen	9.9 Common SNikkei 225 Communic	AdvertisingCommunica	2021
TSE:4751	Common SCyberAgen	9.9 Common SNikkei 225 Communic	AdvertisingCommunica	2022
TSE:4751	Common SCyberAgen	9.9 Common SNikkei 225 Communic	AdvertisingCommunica	2023
TSE:4751	Common SCyberAgen	9.9 Common SNikkei 225 Communic	AdvertisingCommunica	2024
TSE:6902	Common SDENSO Coi	14.92 Common SNikkei 225 Consumer Automotiv	Consumer	2020
TSE:6902	Common SDENSO Coi	14.92 Common SNikkei 225 Consumer Automotiv	Consumer	2021
TSE:6902	Common SDENSO Coi	14.92 Common SNikkei 225 Consumer Automotiv	Consumer	2022
TSE:6902	Common SDENSO Coi	14.92 Common SNikkei 225 Consumer Automotiv	Consumer	2023
TSE:6902	Common SDENSO Coi	14.92 Common SNikkei 225 Consumer Automotiv	Consumer	2024
TSE:7912	Common SDai Nippor	16.68 Common SNikkei 225 Industrials Commerci	Industrials	2020
TSE:7912	Common SDai Nippor	16.68 Common SNikkei 225 Industrials Commerci	Industrials	2021
TSE:7912	Common SDai Nippor	16.68 Common SNikkei 225 Industrials Commerci	Industrials	2022
TSE:7912	Common SDai Nippor	16.68 Common SNikkei 225 Industrials Commerci	Industrials	2023
TSE:7912	Common SDai Nippor	16.68 Common SNikkei 225 Industrials Commerci	Industrials	2024
TSE:8750	Common SDai-ichi Lif	7.01 Common SNikkei 225 Financials	Life and HcFinancials	2020
TSE:8750	Common SDai-ichi Lif	7.01 Common SNikkei 225 Financials	Life and HcFinancials	2021
TSE:8750	Common SDai-ichi Lif	7.01 Common SNikkei 225 Financials	Life and HcFinancials	2022
TSE:8750	Common SDai-ichi Lif	7.01 Common SNikkei 225 Financials	Life and HcFinancials	2023
TSE:8750	Common SDai-ichi Lif	7.01 Common SNikkei 225 Financials	Life and HcFinancials	2024
TSE:4568	Common SDaiichi Sa	24.93 Common SNikkei 225 Health Car Pharmacei	Health Car	2020
TSE:4568	Common SDaiichi Sa	24.93 Common SNikkei 225 Health Car Pharmacei	Health Car	2021
TSE:4568	Common SDaiichi Sa	24.93 Common SNikkei 225 Health Car Pharmacei	Health Car	2022
TSE:4568	Common SDaiichi Sa	24.93 Common SNikkei 225 Health Car Pharmacei	Health Car	2023
TSE:4568	Common SDaiichi Sa	24.93 Common SNikkei 225 Health Car Pharmacei	Health Car	2024
TSE:6367	Common SDaikin Ind	116.8 Common SNikkei 225 Industrials Building Pr	Industrials	2020
TSE:6367	Common SDaikin Ind	116.8 Common SNikkei 225 Industrials Building Pr	Industrials	2021
TSE:6367	Common SDaikin Ind	116.8 Common SNikkei 225 Industrials Building Pr	Industrials	2022
TSE:6367	Common SDaikin Ind	116.8 Common SNikkei 225 Industrials Building Pr	Industrials	2023
TSE:6367	Common SDaikin Ind	116.8 Common SNikkei 225 Industrials Building Pr	Industrials	2024
TSE:1925	Common SDaiwa Hou	34.2 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2020
TSE:1925	Common SDaiwa Hou	34.2 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2021
TSE:1925	Common SDaiwa Hou	34.2 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2022
TSE:1925	Common SDaiwa Hou	34.2 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2023
TSE:1925	Common SDaiwa Hou	34.2 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2024
TSE:8601	Common SDaiwa Seci	7.7 Common SNikkei 225 Financials	InvestmenFinancials	2020



TSE:8601	Common SDaiwa Seci	7.7 Common SNikkei 225 Financials	Investmen Financials	2021
TSE:8601	Common SDaiwa Seci	7.7 Common SNikkei 225 Financials	Investmen Financials	2022
TSE:8601	Common SDaiwa Seci	7.7 Common SNikkei 225 Financials	Investmen Financials	2023
TSE:8601	Common SDaiwa Seci	7.7 Common SNikkei 225 Financials	Investmen Financials	2024
TSE:2432	Common SDeNA Co.,	17.36 Common SNikkei 225 Communic	Interactiv Communic	2020
TSE:2432	Common SDeNA Co.,	17.36 Common SNikkei 225 Communic	Interactiv Communic	2021
TSE:2432	Common SDeNA Co.,	17.36 Common SNikkei 225 Communic	Interactiv Communic	2022
TSE:2432	Common SDeNA Co.,	17.36 Common SNikkei 225 Communic	Interactiv Communic	2023
TSE:2432	Common SDeNA Co.,	17.36 Common SNikkei 225 Communic	Interactiv Communic	2024
TSE:4061	Common SDenka Con	14.77 Common SNikkei 225 Materials	Commodit Materials (	2020
TSE:4061	Common SDenka Con	14.77 Common SNikkei 225 Materials	Commodit Materials (	2021
TSE:4061	Common SDenka Con	14.77 Common SNikkei 225 Materials	Commodit Materials (	2022
TSE:4061	Common SDenka Con	14.77 Common SNikkei 225 Materials	Commodit Materials (	2023
TSE:4061	Common SDenka Con	14.77 Common SNikkei 225 Materials	Commodit Materials (	2024
TSE:4324	Common SDentsu Gr	19.97 Common SNikkei 225 Communic	AdvertisingCommunic	2020
TSE:4324	Common SDentsu Gr	19.97 Common SNikkei 225 Communic	AdvertisingCommunic	2021
TSE:4324	Common SDentsu Gr	19.97 Common SNikkei 225 Communic	AdvertisingCommunic	2022
TSE:4324	Common SDentsu Gr	19.97 Common SNikkei 225 Communic	AdvertisingCommunic	2023
TSE:4324	Common SDentsu Gr	19.97 Common SNikkei 225 Communic	AdvertisingCommunic	2024
TSE:6146	Common SDisco Corp	335.87 Common SNikkei 225 Informatio	Semicondu Informatio	2020
TSE:6146	Common SDisco Corp	335.87 Common SNikkei 225 Informatio	Semicondu Informatio	2021
TSE:6146	Common SDisco Corp	335.87 Common SNikkei 225 Informatio	Semicondu Informatio	2022
TSE:6146	Common SDisco Corp	335.87 Common SNikkei 225 Informatio	Semicondu Informatio	2023
TSE:6146	Common SDisco Corp	335.87 Common SNikkei 225 Informatio	Semicondu Informatio	2024
TSE:5714	Common SDowa Holc	36.63 Common SNikkei 225 Materials	Diversified Materials (	2020
TSE:5714	Common SDowa Holc	36.63 Common SNikkei 225 Materials	Diversified Materials (	2021
TSE:5714	Common SDowa Holc	36.63 Common SNikkei 225 Materials	Diversified Materials (	2022
TSE:5714	Common SDowa Holc	36.63 Common SNikkei 225 Materials	Diversified Materials (	2023
TSE:5714	Common SDowa Holc	36.63 Common SNikkei 225 Materials	Diversified Materials (	2024
TSE:5020	Common SENEOS Hol	6.28 Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2020
TSE:5020	Common SENEOS Hol	6.28 Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2021
TSE:5020	Common SENEOS Hol	6.28 Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2022
TSE:5020	Common SENEOS Hol	6.28 Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2023
TSE:5020	Common SENEOS Hol	6.28 Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2024
TSE:9020	Common SEast Japan	23.33 Common SNikkei 225 Industrials	Rail TransçIndustrials	2020
TSE:9020	Common SEast Japan	23.33 Common SNikkei 225 Industrials	Rail TransçIndustrials	2021
TSE:9020	Common SEast Japan	23.33 Common SNikkei 225 Industrials	Rail TransçIndustrials	2022
TSE:9020	Common SEast Japan	23.33 Common SNikkei 225 Industrials	Rail TransçIndustrials	2023
TSE:9020	Common SEast Japan	23.33 Common SNikkei 225 Industrials	Rail TransçIndustrials	2024
TSE:6361	Common SEbara Corç	26.42 Common SNikkei 225 Industrials	Industrial Industrials	2020
TSE:6361	Common SEbara Corç	26.42 Common SNikkei 225 Industrials	Industrial Industrials	2021
TSE:6361	Common SEbara Corç	26.42 Common SNikkei 225 Industrials	Industrial Industrials	2022
TSE:6361	Common SEbara Corç	26.42 Common SNikkei 225 Industrials	Industrial Industrials	2023

TSE:6361	Common SEbara Corp	26.42	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:4523	Common SEisai Co., L	29.64	Common SNikkei 225 Health Car Pharmacei	Health Car	2020
TSE:4523	Common SEisai Co., L	29.64	Common SNikkei 225 Health Car Pharmacei	Health Car	2021
TSE:4523	Common SEisai Co., L	29.64	Common SNikkei 225 Health Car Pharmacei	Health Car	2022
TSE:4523	Common SEisai Co., L	29.64	Common SNikkei 225 Health Car Pharmacei	Health Car	2023
TSE:4523	Common SEisai Co., L	29.64	Common SNikkei 225 Health Car Pharmacei	Health Car	2024
TSE:4901	Common SFUJIFILM F	23.13	Common SNikkei 225 Informatio	Technolog	2020
TSE:4901	Common SFUJIFILM F	23.13	Common SNikkei 225 Informatio	Technolog	2021
TSE:4901	Common SFUJIFILM F	23.13	Common SNikkei 225 Informatio	Technolog	2022
TSE:4901	Common SFUJIFILM F	23.13	Common SNikkei 225 Informatio	Technolog	2023
TSE:4901	Common SFUJIFILM F	23.13	Common SNikkei 225 Informatio	Technolog	2024
TSE:6954	Common SFanuc Corp	31.54	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:6954	Common SFanuc Corp	31.54	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:6954	Common SFanuc Corp	31.54	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:6954	Common SFanuc Corp	31.54	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:6954	Common SFanuc Corp	31.54	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:9983	Common SFast Retaili	353.65	Common SNikkei 225 Consumer Apparel Re	Consumer	2020
TSE:9983	Common SFast Retaili	353.65	Common SNikkei 225 Consumer Apparel Re	Consumer	2021
TSE:9983	Common SFast Retaili	353.65	Common SNikkei 225 Consumer Apparel Re	Consumer	2022
TSE:9983	Common SFast Retaili	353.65	Common SNikkei 225 Consumer Apparel Re	Consumer	2023
TSE:9983	Common SFast Retaili	353.65	Common SNikkei 225 Consumer Apparel Re	Consumer	2024
TSE:6504	Common SFuji Electri	74.3	Common SNikkei 225 Industrials Electrical	Industrials	2020
TSE:6504	Common SFuji Electri	74.3	Common SNikkei 225 Industrials Electrical	Industrials	2021
TSE:6504	Common SFuji Electri	74.3	Common SNikkei 225 Industrials Electrical	Industrials	2022
TSE:6504	Common SFuji Electri	74.3	Common SNikkei 225 Industrials Electrical	Industrials	2023
TSE:6504	Common SFuji Electri	74.3	Common SNikkei 225 Industrials Electrical	Industrials	2024
TSE:5803	Common SFujikura Lt	135	Common SNikkei 225 Industrials Electrical	Industrials	2020
TSE:5803	Common SFujikura Lt	135	Common SNikkei 225 Industrials Electrical	Industrials	2021
TSE:5803	Common SFujikura Lt	135	Common SNikkei 225 Industrials Electrical	Industrials	2022
TSE:5803	Common SFujikura Lt	135	Common SNikkei 225 Industrials Electrical	Industrials	2023
TSE:5803	Common SFujikura Lt	135	Common SNikkei 225 Industrials Electrical	Industrials	2024
TSE:6702	Common SFujitsu Lim	25.96	Common SNikkei 225 InformatioIT Consulti	Informatio	2020
TSE:6702	Common SFujitsu Lim	25.96	Common SNikkei 225 InformatioIT Consulti	Informatio	2021
TSE:6702	Common SFujitsu Lim	25.96	Common SNikkei 225 InformatioIT Consulti	Informatio	2022
TSE:6702	Common SFujitsu Lim	25.96	Common SNikkei 225 InformatioIT Consulti	Informatio	2023
TSE:6702	Common SFujitsu Lim	25.96	Common SNikkei 225 InformatioIT Consulti	Informatio	2024
TSE:8354	Common SFukuoka Fi	29.26	Common SNikkei 225 Financials Regional B	Financials	2020
TSE:8354	Common SFukuoka Fi	29.26	Common SNikkei 225 Financials Regional B	Financials	2021
TSE:8354	Common SFukuoka Fi	29.26	Common SNikkei 225 Financials Regional B	Financials	2022
TSE:8354	Common SFukuoka Fi	29.26	Common SNikkei 225 Financials Regional B	Financials	2023
TSE:8354	Common SFukuoka Fi	29.26	Common SNikkei 225 Financials Regional B	Financials	2024
TSE:5801	Common SFurukawa	67.94	Common SNikkei 225 Industrials Electrical	Industrials	2020
TSE:5801	Common SFurukawa	67.94	Common SNikkei 225 Industrials Electrical	Industrials	2021

TSE:5801	Common SFurukawa	67.94	Common SNikkei 225 Industrials Electrical	Industrials	2022
TSE:5801	Common SFurukawa	67.94	Common SNikkei 225 Industrials Electrical	Industrials	2023
TSE:5801	Common SFurukawa	67.94	Common SNikkei 225 Industrials Electrical	Industrials	2024
TSE:6674	Common SGS Yuasa C	27.53	Common SNikkei 225 Consumer Automotiv	Consumer	2020
TSE:6674	Common SGS Yuasa C	27.53	Common SNikkei 225 Consumer Automotiv	Consumer	2021
TSE:6674	Common SGS Yuasa C	27.53	Common SNikkei 225 Consumer Automotiv	Consumer	2022
TSE:6674	Common SGS Yuasa C	27.53	Common SNikkei 225 Consumer Automotiv	Consumer	2023
TSE:6674	Common SGS Yuasa C	27.53	Common SNikkei 225 Consumer Automotiv	Consumer	2024
TSE:1808	Common SHASEKO C	16.13	Common SNikkei 225 Consumer Homebuilc	Consumer	2020
TSE:1808	Common SHASEKO C	16.13	Common SNikkei 225 Consumer Homebuilc	Consumer	2021
TSE:1808	Common SHASEKO C	16.13	Common SNikkei 225 Consumer Homebuilc	Consumer	2022
TSE:1808	Common SHASEKO C	16.13	Common SNikkei 225 Consumer Homebuilc	Consumer	2023
TSE:1808	Common SHASEKO C	16.13	Common SNikkei 225 Consumer Homebuilc	Consumer	2024
TSE:7741	Common SHOYA Corç	157.2	Common SNikkei 225 Health Car Health Car	Health Car	2020
TSE:7741	Common SHOYA Corç	157.2	Common SNikkei 225 Health Car Health Car	Health Car	2021
TSE:7741	Common SHOYA Corç	157.2	Common SNikkei 225 Health Car Health Car	Health Car	2022
TSE:7741	Common SHOYA Corç	157.2	Common SNikkei 225 Health Car Health Car	Health Car	2023
TSE:7741	Common SHOYA Corç	157.2	Common SNikkei 225 Health Car Health Car	Health Car	2024
TSE:7205	Common SHino Moto	2.34	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:7205	Common SHino Moto	2.34	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:7205	Common SHino Moto	2.34	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:7205	Common SHino Moto	2.34	Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:7205	Common SHino Moto	2.34	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:6305	Common SHitachi Coi	33.38	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:6305	Common SHitachi Coi	33.38	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:6305	Common SHitachi Coi	33.38	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:6305	Common SHitachi Coi	33.38	Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:6305	Common SHitachi Coi	33.38	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:6501	Common SHitachi, Ltc	32.2	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:6501	Common SHitachi, Ltc	32.2	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:6501	Common SHitachi, Ltc	32.2	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:6501	Common SHitachi, Ltc	32.2	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:6501	Common SHitachi, Ltc	32.2	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:7267	Common SHonda Mo	10.35	Common SNikkei 225 Consumer Automobil	Consumer	2020
TSE:7267	Common SHonda Mo	10.35	Common SNikkei 225 Consumer Automobil	Consumer	2021
TSE:7267	Common SHonda Mo	10.35	Common SNikkei 225 Consumer Automobil	Consumer	2022
TSE:7267	Common SHonda Mo	10.35	Common SNikkei 225 Consumer Automobil	Consumer	2023
TSE:7267	Common SHonda Mo	10.35	Common SNikkei 225 Consumer Automobil	Consumer	2024
TSE:7013	Common SIHI Corpor:	20.65	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:7013	Common SIHI Corpor:	20.65	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:7013	Common SIHI Corpor:	20.65	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:7013	Common SIHI Corpor:	20.65	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:7013	Common SIHI Corpor:	20.65	Common SNikkei 225 Industrials Industrial	Industrials	2024

TSE:8001	Common SITOCHU Cc	57.58	Common SNikkei 225 Industrials Trading Co	Industrials	2020
TSE:8001	Common SITOCHU Cc	57.58	Common SNikkei 225 Industrials Trading Co	Industrials	2021
TSE:8001	Common SITOCHU Cc	57.58	Common SNikkei 225 Industrials Trading Co	Industrials	2022
TSE:8001	Common SITOCHU Cc	57.58	Common SNikkei 225 Industrials Trading Co	Industrials	2023
TSE:8001	Common SITOCHU Cc	57.58	Common SNikkei 225 Industrials Trading Co	Industrials	2024
TSE:5019	Common SIdemitsu K	7.02	Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2020
TSE:5019	Common SIdemitsu K	7.02	Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2021
TSE:5019	Common SIdemitsu K	7.02	Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2022
TSE:5019	Common SIdemitsu K	7.02	Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2023
TSE:5019	Common SIdemitsu K	7.02	Common SNikkei 225 Energy	Oil and Ga Energy (Pr	2024
TSE:1605	Common SInpex Corp	18.52	Common SNikkei 225 Energy	Oil and Ga:Energy (Pr	2020
TSE:1605	Common SInpex Corp	18.52	Common SNikkei 225 Energy	Oil and Ga:Energy (Pr	2021
TSE:1605	Common SInpex Corp	18.52	Common SNikkei 225 Energy	Oil and Ga:Energy (Pr	2022
TSE:1605	Common SInpex Corp	18.52	Common SNikkei 225 Energy	Oil and Ga:Energy (Pr	2023
TSE:1605	Common SInpex Corp	18.52	Common SNikkei 225 Energy	Oil and Ga:Energy (Pr	2024
TSE:3099	Common Sisetan Mit:	15.68	Common SNikkei 225 Consumer Broadline I	Consumer	2020
TSE:3099	Common Sisetan Mit:	15.68	Common SNikkei 225 Consumer Broadline I	Consumer	2021
TSE:3099	Common Sisetan Mit:	15.68	Common SNikkei 225 Consumer Broadline I	Consumer	2022
TSE:3099	Common Sisetan Mit:	15.68	Common SNikkei 225 Consumer Broadline I	Consumer	2023
TSE:3099	Common Sisetan Mit:	15.68	Common SNikkei 225 Consumer Broadline I	Consumer	2024
TSE:7202	Common SIsuzu Motc	12.41	Common SNikkei 225 Consumer Automobil	Consumer	2020
TSE:7202	Common SIsuzu Motc	12.41	Common SNikkei 225 Consumer Automobil	Consumer	2021
TSE:7202	Common SIsuzu Motc	12.41	Common SNikkei 225 Consumer Automobil	Consumer	2022
TSE:7202	Common SIsuzu Motc	12.41	Common SNikkei 225 Consumer Automobil	Consumer	2023
TSE:7202	Common SIsuzu Motc	12.41	Common SNikkei 225 Consumer Automobil	Consumer	2024
TSE:3086	Common SJ. Front Re	15.01	Common SNikkei 225 Consumer Broadline I	Consumer	2020
TSE:3086	Common SJ. Front Re	15.01	Common SNikkei 225 Consumer Broadline I	Consumer	2021
TSE:3086	Common SJ. Front Re	15.01	Common SNikkei 225 Consumer Broadline I	Consumer	2022
TSE:3086	Common SJ. Front Re	15.01	Common SNikkei 225 Consumer Broadline I	Consumer	2023
TSE:3086	Common SJ. Front Re	15.01	Common SNikkei 225 Consumer Broadline I	Consumer	2024
TSE:5411	Common SJFE Holding	11.49	Common SNikkei 225 Materials Steel	Materials (	2020
TSE:5411	Common SJFE Holding	11.49	Common SNikkei 225 Materials Steel	Materials (	2021
TSE:5411	Common SJFE Holding	11.49	Common SNikkei 225 Materials Steel	Materials (	2022
TSE:5411	Common SJFE Holding	11.49	Common SNikkei 225 Materials Steel	Materials (	2023
TSE:5411	Common SJFE Holding	11.49	Common SNikkei 225 Materials Steel	Materials (	2024
TSE:1963	Common SJGC Holdin	10.2	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:1963	Common SJGC Holdin	10.2	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:1963	Common SJGC Holdin	10.2	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:1963	Common SJGC Holdin	10.2	Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:1963	Common SJGC Holdin	10.2	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:6473	Common SJTEKT Corp	9.93	Common SNikkei 225 Consumer Automotiv	Consumer	2020
TSE:6473	Common SJTEKT Corp	9.93	Common SNikkei 225 Consumer Automotiv	Consumer	2021
TSE:6473	Common SJTEKT Corp	9.93	Common SNikkei 225 Consumer Automotiv	Consumer	2022

TSE:6473	Common SJTEKT Corp	9.93	Common SNikkei 225 Consumer Automotiv	Consumer	2023
TSE:6473	Common SJTEKT Corp	9.93	Common SNikkei 225 Consumer Automotiv	Consumer	2024
TSE:9201	Common SJapan Airlin	18.12	Common SNikkei 225 Industrials Passenger	Industrials	2020
TSE:9201	Common SJapan Airlin	18.12	Common SNikkei 225 Industrials Passenger	Industrials	2021
TSE:9201	Common SJapan Airlin	18.12	Common SNikkei 225 Industrials Passenger	Industrials	2022
TSE:9201	Common SJapan Airlin	18.12	Common SNikkei 225 Industrials Passenger	Industrials	2023
TSE:9201	Common SJapan Airlin	18.12	Common SNikkei 225 Industrials Passenger	Industrials	2024
TSE:8697	Common SJapan Exch	11.15	Common SNikkei 225 Financials Financial	Financials	2020
TSE:8697	Common SJapan Exch	11.15	Common SNikkei 225 Financials Financial	Financials	2021
TSE:8697	Common SJapan Exch	11.15	Common SNikkei 225 Financials Financial	Financials	2022
TSE:8697	Common SJapan Exch	11.15	Common SNikkei 225 Financials Financial	Financials	2023
TSE:8697	Common SJapan Exch	11.15	Common SNikkei 225 Financials Financial	Financials	2024
TSE:6178	Common SJapan Post	9.35	Common SNikkei 225 Financials Life and H	Financials	2020
TSE:6178	Common SJapan Post	9.35	Common SNikkei 225 Financials Life and H	Financials	2021
TSE:6178	Common SJapan Post	9.35	Common SNikkei 225 Financials Life and H	Financials	2022
TSE:6178	Common SJapan Post	9.35	Common SNikkei 225 Financials Life and H	Financials	2023
TSE:6178	Common SJapan Post	9.35	Common SNikkei 225 Financials Life and H	Financials	2024
TSE:2914	Common SJapan Tob	31.96	Common SNikkei 225 Consumer Tobacco	Consumer	2020
TSE:2914	Common SJapan Tob	31.96	Common SNikkei 225 Consumer Tobacco	Consumer	2021
TSE:2914	Common SJapan Tob	31.96	Common SNikkei 225 Consumer Tobacco	Consumer	2022
TSE:2914	Common SJapan Tob	31.96	Common SNikkei 225 Consumer Tobacco	Consumer	2023
TSE:2914	Common SJapan Tob	31.96	Common SNikkei 225 Consumer Tobacco	Consumer	2024
TSE:9433	Common SKDDI Corp	15.93	Common SNikkei 225 CommunicWireless T	Communic	2020
TSE:9433	Common SKDDI Corp	15.93	Common SNikkei 225 CommunicWireless T	Communic	2021
TSE:9433	Common SKDDI Corp	15.93	Common SNikkei 225 CommunicWireless T	Communic	2022
TSE:9433	Common SKDDI Corp	15.93	Common SNikkei 225 CommunicWireless T	Communic	2023
TSE:9433	Common SKDDI Corp	15.93	Common SNikkei 225 CommunicWireless T	Communic	2024
TSE:1812	Common SKajima Cor	32.38	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:1812	Common SKajima Cor	32.38	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:1812	Common SKajima Cor	32.38	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:1812	Common SKajima Cor	32.38	Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:1812	Common SKajima Cor	32.38	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:7004	Common SKanadevia	7.45	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:7004	Common SKanadevia	7.45	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:7004	Common SKanadevia	7.45	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:7004	Common SKanadevia	7.45	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:7004	Common SKanadevia	7.45	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:4452	Common SKao Corpo	42.13	Common SNikkei 225 Consumer Personal C	Consumer	2020
TSE:4452	Common SKao Corpo	42.13	Common SNikkei 225 Consumer Personal C	Consumer	2021
TSE:4452	Common SKao Corpo	42.13	Common SNikkei 225 Consumer Personal C	Consumer	2022
TSE:4452	Common SKao Corpo	42.13	Common SNikkei 225 Consumer Personal C	Consumer	2023
TSE:4452	Common SKao Corpo	42.13	Common SNikkei 225 Consumer Personal C	Consumer	2024
TSE:7012	Common SKawasaki I	78.71	Common SNikkei 225 Industrials Industrial	Industrials	2020

TSE:7012	Common SKawasaki F	78.71	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:7012	Common SKawasaki F	78.71	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:7012	Common SKawasaki F	78.71	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:7012	Common SKawasaki F	78.71	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:9107	Common SKawasaki k	14.44	Common SNikkei 225 Industrials Marine Tr	Industrials	2020
TSE:9107	Common SKawasaki k	14.44	Common SNikkei 225 Industrials Marine Tr	Industrials	2021
TSE:9107	Common SKawasaki k	14.44	Common SNikkei 225 Industrials Marine Tr	Industrials	2022
TSE:9107	Common SKawasaki k	14.44	Common SNikkei 225 Industrials Marine Tr	Industrials	2023
TSE:9107	Common SKawasaki k	14.44	Common SNikkei 225 Industrials Marine Tr	Industrials	2024
TSE:9008	Common SKeio Corpc	23.76	Common SNikkei 225 Industrials Rail Transp	Industrials	2020
TSE:9008	Common SKeio Corpc	23.76	Common SNikkei 225 Industrials Rail Transp	Industrials	2021
TSE:9008	Common SKeio Corpc	23.76	Common SNikkei 225 Industrials Rail Transp	Industrials	2022
TSE:9008	Common SKeio Corpc	23.76	Common SNikkei 225 Industrials Rail Transp	Industrials	2023
TSE:9008	Common SKeio Corpc	23.76	Common SNikkei 225 Industrials Rail Transp	Industrials	2024
TSE:9009	Common SKeisei Elec	8.24	Common SNikkei 225 Industrials Rail Transp	Industrials	2020
TSE:9009	Common SKeisei Elec	8.24	Common SNikkei 225 Industrials Rail Transp	Industrials	2021
TSE:9009	Common SKeisei Elec	8.24	Common SNikkei 225 Industrials Rail Transp	Industrials	2022
TSE:9009	Common SKeisei Elec	8.24	Common SNikkei 225 Industrials Rail Transp	Industrials	2023
TSE:9009	Common SKeisei Elec	8.24	Common SNikkei 225 Industrials Rail Transp	Industrials	2024
TSE:6861	Common SKeyence Ci	389.4	Common SNikkei 225 InformatioElectronic	Informatio	2020
TSE:6861	Common SKeyence Ci	389.4	Common SNikkei 225 InformatioElectronic	Informatio	2021
TSE:6861	Common SKeyence Ci	389.4	Common SNikkei 225 InformatioElectronic	Informatio	2022
TSE:6861	Common SKeyence Ci	389.4	Common SNikkei 225 InformatioElectronic	Informatio	2023
TSE:6861	Common SKeyence Ci	389.4	Common SNikkei 225 InformatioElectronic	Informatio	2024
TSE:2801	Common SKikkoman )	7.93	Common SNikkei 225 Consumer Packaged I	Consumer	2020
TSE:2801	Common SKikkoman )	7.93	Common SNikkei 225 Consumer Packaged I	Consumer	2021
TSE:2801	Common SKikkoman )	7.93	Common SNikkei 225 Consumer Packaged I	Consumer	2022
TSE:2801	Common SKikkoman )	7.93	Common SNikkei 225 Consumer Packaged I	Consumer	2023
TSE:2801	Common SKikkoman )	7.93	Common SNikkei 225 Consumer Packaged I	Consumer	2024
TSE:2503	Common SKirin Hold	14.07	Common SNikkei 225 Consumer Brewers	Consumer	2020
TSE:2503	Common SKirin Hold	14.07	Common SNikkei 225 Consumer Brewers	Consumer	2021
TSE:2503	Common SKirin Hold	14.07	Common SNikkei 225 Consumer Brewers	Consumer	2022
TSE:2503	Common SKirin Hold	14.07	Common SNikkei 225 Consumer Brewers	Consumer	2023
TSE:2503	Common SKirin Hold	14.07	Common SNikkei 225 Consumer Brewers	Consumer	2024
TSE:5406	Common SKobe Steel	11.86	Common SNikkei 225 Materials Steel	Materials (	2020
TSE:5406	Common SKobe Steel	11.86	Common SNikkei 225 Materials Steel	Materials (	2021
TSE:5406	Common SKobe Steel	11.86	Common SNikkei 225 Materials Steel	Materials (	2022
TSE:5406	Common SKobe Steel	11.86	Common SNikkei 225 Materials Steel	Materials (	2023
TSE:5406	Common SKobe Steel	11.86	Common SNikkei 225 Materials Steel	Materials (	2024
TSE:6301	Common SKomatsu L	33.97	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:6301	Common SKomatsu L	33.97	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:6301	Common SKomatsu L	33.97	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:6301	Common SKomatsu L	33.97	Common SNikkei 225 Industrials Constructi	Industrials	2023

TSE:6301	Common SKomatsu L	33.97	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:9766	Common SKonami Gr	142.99	Common SNikkei 225 CommunicInteractiv	Communic	2020
TSE:9766	Common SKonami Gr	142.99	Common SNikkei 225 CommunicInteractiv	Communic	2021
TSE:9766	Common SKonami Gr	142.99	Common SNikkei 225 CommunicInteractiv	Communic	2022
TSE:9766	Common SKonami Gr	142.99	Common SNikkei 225 CommunicInteractiv	Communic	2023
TSE:9766	Common SKonami Gr	142.99	Common SNikkei 225 CommunicInteractiv	Communic	2024
TSE:4902	Common SKonica Mir	3.47	Common SNikkei 225 InformatioTechnolog	Informatio	2020
TSE:4902	Common SKonica Mir	3.47	Common SNikkei 225 InformatioTechnolog	Informatio	2021
TSE:4902	Common SKonica Mir	3.47	Common SNikkei 225 InformatioTechnolog	Informatio	2022
TSE:4902	Common SKonica Mir	3.47	Common SNikkei 225 InformatioTechnolog	Informatio	2023
TSE:4902	Common SKonica Mir	3.47	Common SNikkei 225 InformatioTechnolog	Informatio	2024
TSE:6326	Common SKubota Co	13.26	Common SNikkei 225 Industrials Agricultur	Industrials	2020
TSE:6326	Common SKubota Co	13.26	Common SNikkei 225 Industrials Agricultur	Industrials	2021
TSE:6326	Common SKubota Co	13.26	Common SNikkei 225 Industrials Agricultur	Industrials	2022
TSE:6326	Common SKubota Co	13.26	Common SNikkei 225 Industrials Agricultur	Industrials	2023
TSE:6326	Common SKubota Co	13.26	Common SNikkei 225 Industrials Agricultur	Industrials	2024
TSE:3405	Common SKuraray Cc	10.9	Common SNikkei 225 Materials Commodit	Materials (	2020
TSE:3405	Common SKuraray Cc	10.9	Common SNikkei 225 Materials Commodit	Materials (	2021
TSE:3405	Common SKuraray Cc	10.9	Common SNikkei 225 Materials Commodit	Materials (	2022
TSE:3405	Common SKuraray Cc	10.9	Common SNikkei 225 Materials Commodit	Materials (	2023
TSE:3405	Common SKuraray Cc	10.9	Common SNikkei 225 Materials Commodit	Materials (	2024
TSE:6971	Common SKyocera Cc	13.9	Common SNikkei 225 InformatioElectronic	Informatio	2020
TSE:6971	Common SKyocera Cc	13.9	Common SNikkei 225 InformatioElectronic	Informatio	2021
TSE:6971	Common SKyocera Cc	13.9	Common SNikkei 225 InformatioElectronic	Informatio	2022
TSE:6971	Common SKyocera Cc	13.9	Common SNikkei 225 InformatioElectronic	Informatio	2023
TSE:6971	Common SKyocera Cc	13.9	Common SNikkei 225 InformatioElectronic	Informatio	2024
TSE:4151	Common SKyowa Kiri	15.16	Common SNikkei 225 Health Car Pharmacei	Health Car	2020
TSE:4151	Common SKyowa Kiri	15.16	Common SNikkei 225 Health Car Pharmacei	Health Car	2021
TSE:4151	Common SKyowa Kiri	15.16	Common SNikkei 225 Health Car Pharmacei	Health Car	2022
TSE:4151	Common SKyowa Kiri	15.16	Common SNikkei 225 Health Car Pharmacei	Health Car	2023
TSE:4151	Common SKyowa Kiri	15.16	Common SNikkei 225 Health Car Pharmacei	Health Car	2024
TSE:4689	Common SLY Corpora	2.9	Common SNikkei 225 CommunicInteractive	Communic	2020
TSE:4689	Common SLY Corpora	2.9	Common SNikkei 225 CommunicInteractive	Communic	2021
TSE:4689	Common SLY Corpora	2.9	Common SNikkei 225 CommunicInteractive	Communic	2022
TSE:4689	Common SLY Corpora	2.9	Common SNikkei 225 CommunicInteractive	Communic	2023
TSE:4689	Common SLY Corpora	2.9	Common SNikkei 225 CommunicInteractive	Communic	2024
TSE:6920	Common SLasertec C	185.42	Common SNikkei 225 InformatioSemicondu	Informatio	2020
TSE:6920	Common SLasertec C	185.42	Common SNikkei 225 InformatioSemicondu	Informatio	2021
TSE:6920	Common SLasertec C	185.42	Common SNikkei 225 InformatioSemicondu	Informatio	2022
TSE:6920	Common SLasertec C	185.42	Common SNikkei 225 InformatioSemicondu	Informatio	2023
TSE:6920	Common SLasertec C	185.42	Common SNikkei 225 InformatioSemicondu	Informatio	2024
TSE:2413	Common SM3, Inc.	13.89	Common SNikkei 225 Health Car Health Car	Health Car	2020
TSE:2413	Common SM3, Inc.	13.89	Common SNikkei 225 Health Car Health Car	Health Car	2021

TSE:2413	Common SM3, Inc.	13.89	Common SNikkei 225 Health Car Health Car Health Car	2022
TSE:2413	Common SM3, Inc.	13.89	Common SNikkei 225 Health Car Health Car Health Car	2023
TSE:2413	Common SM3, Inc.	13.89	Common SNikkei 225 Health Car Health Car Health Car	2024
TSE:6479	Common SMINEBEA I	19.67	Common SNikkei 225 Industrials Industrial Industrials	2020
TSE:6479	Common SMINEBEA I	19.67	Common SNikkei 225 Industrials Industrial Industrials	2021
TSE:6479	Common SMINEBEA I	19.67	Common SNikkei 225 Industrials Industrial Industrials	2022
TSE:6479	Common SMINEBEA I	19.67	Common SNikkei 225 Industrials Industrial Industrials	2023
TSE:6479	Common SMINEBEA I	19.67	Common SNikkei 225 Industrials Industrial Industrials	2024
TSE:8725	Common SMS&AD In:	20.79	Common SNikkei 225 Financials Property a Financials	2020
TSE:8725	Common SMS&AD In:	20.79	Common SNikkei 225 Financials Property a Financials	2021
TSE:8725	Common SMS&AD In:	20.79	Common SNikkei 225 Financials Property a Financials	2022
TSE:8725	Common SMS&AD In:	20.79	Common SNikkei 225 Financials Property a Financials	2023
TSE:8725	Common SMS&AD In:	20.79	Common SNikkei 225 Financials Property a Financials	2024
TSE:8002	Common SMarubeni I	24.47	Common SNikkei 225 Industrials Trading CoIndustrials	2020
TSE:8002	Common SMarubeni I	24.47	Common SNikkei 225 Industrials Trading CoIndustrials	2021
TSE:8002	Common SMarubeni I	24.47	Common SNikkei 225 Industrials Trading CoIndustrials	2022
TSE:8002	Common SMarubeni I	24.47	Common SNikkei 225 Industrials Trading CoIndustrials	2023
TSE:8002	Common SMarubeni I	24.47	Common SNikkei 225 Industrials Trading CoIndustrials	2024
TSE:8252	Common SMarui Gro	19.07	Common SNikkei 225 Financials Consumer Financials	2020
TSE:8252	Common SMarui Gro	19.07	Common SNikkei 225 Financials Consumer Financials	2021
TSE:8252	Common SMarui Gro	19.07	Common SNikkei 225 Financials Consumer Financials	2022
TSE:8252	Common SMarui Gro	19.07	Common SNikkei 225 Financials Consumer Financials	2023
TSE:8252	Common SMarui Gro	19.07	Common SNikkei 225 Financials Consumer Financials	2024
TSE:7261	Common SMazda Mo	7.12	Common SNikkei 225 Consumer Automobil Consumer	2020
TSE:7261	Common SMazda Mo	7.12	Common SNikkei 225 Consumer Automobil Consumer	2021
TSE:7261	Common SMazda Mo	7.12	Common SNikkei 225 Consumer Automobil Consumer	2022
TSE:7261	Common SMazda Mo	7.12	Common SNikkei 225 Consumer Automobil Consumer	2023
TSE:7261	Common SMazda Mo	7.12	Common SNikkei 225 Consumer Automobil Consumer	2024
TSE:2269	Common SMeiji Holdi	19.29	Common SNikkei 225 Consumer Packaged IConsumer	2020
TSE:2269	Common SMeiji Holdi	19.29	Common SNikkei 225 Consumer Packaged IConsumer	2021
TSE:2269	Common SMeiji Holdi	19.29	Common SNikkei 225 Consumer Packaged IConsumer	2022
TSE:2269	Common SMeiji Holdi	19.29	Common SNikkei 225 Consumer Packaged IConsumer	2023
TSE:2269	Common SMeiji Holdi	19.29	Common SNikkei 225 Consumer Packaged IConsumer	2024
TSE:4385	Common SMercari, In	14.84	Common SNikkei 225 Consumer Broadline IConsumer	2020
TSE:4385	Common SMercari, In	14.84	Common SNikkei 225 Consumer Broadline IConsumer	2021
TSE:4385	Common SMercari, In	14.84	Common SNikkei 225 Consumer Broadline IConsumer	2022
TSE:4385	Common SMercari, In	14.84	Common SNikkei 225 Consumer Broadline IConsumer	2023
TSE:4385	Common SMercari, In	14.84	Common SNikkei 225 Consumer Broadline IConsumer	2024
TSE:4188	Common SMitsubishi	5.48	Common SNikkei 225 Materials DiversifiedMaterials (	2020
TSE:4188	Common SMitsubishi	5.48	Common SNikkei 225 Materials DiversifiedMaterials (	2021
TSE:4188	Common SMitsubishi	5.48	Common SNikkei 225 Materials DiversifiedMaterials (	2022
TSE:4188	Common SMitsubishi	5.48	Common SNikkei 225 Materials DiversifiedMaterials (	2023
TSE:4188	Common SMitsubishi	5.48	Common SNikkei 225 Materials DiversifiedMaterials (	2024



TSE:8058	Common SMitsubishi	23.89 Common SNikkei 225 Industrials Trading Co	Industrials	2020
TSE:8058	Common SMitsubishi	23.89 Common SNikkei 225 Industrials Trading Co	Industrials	2021
TSE:8058	Common SMitsubishi	23.89 Common SNikkei 225 Industrials Trading Co	Industrials	2022
TSE:8058	Common SMitsubishi	23.89 Common SNikkei 225 Industrials Trading Co	Industrials	2023
TSE:8058	Common SMitsubishi	23.89 Common SNikkei 225 Industrials Trading Co	Industrials	2024
TSE:6503	Common SMitsubishi	27.29 Common SNikkei 225 Industrials Heavy Elec	Industrials	2020
TSE:6503	Common SMitsubishi	27.29 Common SNikkei 225 Industrials Heavy Elec	Industrials	2021
TSE:6503	Common SMitsubishi	27.29 Common SNikkei 225 Industrials Heavy Elec	Industrials	2022
TSE:6503	Common SMitsubishi	27.29 Common SNikkei 225 Industrials Heavy Elec	Industrials	2023
TSE:6503	Common SMitsubishi	27.29 Common SNikkei 225 Industrials Heavy Elec	Industrials	2024
TSE:8802	Common SMitsubishi	21.26 Common SNikkei 225 Real Estate	Diversified Real Estate	2020
TSE:8802	Common SMitsubishi	21.26 Common SNikkei 225 Real Estate	Diversified Real Estate	2021
TSE:8802	Common SMitsubishi	21.26 Common SNikkei 225 Real Estate	Diversified Real Estate	2022
TSE:8802	Common SMitsubishi	21.26 Common SNikkei 225 Real Estate	Diversified Real Estate	2023
TSE:8802	Common SMitsubishi	21.26 Common SNikkei 225 Real Estate	Diversified Real Estate	2024
TSE:7011	Common SMitsubishi	29.45 Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:7011	Common SMitsubishi	29.45 Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:7011	Common SMitsubishi	29.45 Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:7011	Common SMitsubishi	29.45 Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:7011	Common SMitsubishi	29.45 Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:5711	Common SMitsubishi	19.59 Common SNikkei 225 Materials	Diversified Materials (	2020
TSE:5711	Common SMitsubishi	19.59 Common SNikkei 225 Materials	Diversified Materials (	2021
TSE:5711	Common SMitsubishi	19.59 Common SNikkei 225 Materials	Diversified Materials (	2022
TSE:5711	Common SMitsubishi	19.59 Common SNikkei 225 Materials	Diversified Materials (	2023
TSE:5711	Common SMitsubishi	19.59 Common SNikkei 225 Materials	Diversified Materials (	2024
TSE:7211	Common SMitsubishi	2.52 Common SNikkei 225 Consumer Automobil	Consumer	2020
TSE:7211	Common SMitsubishi	2.52 Common SNikkei 225 Consumer Automobil	Consumer	2021
TSE:7211	Common SMitsubishi	2.52 Common SNikkei 225 Consumer Automobil	Consumer	2022
TSE:7211	Common SMitsubishi	2.52 Common SNikkei 225 Consumer Automobil	Consumer	2023
TSE:7211	Common SMitsubishi	2.52 Common SNikkei 225 Consumer Automobil	Consumer	2024
TSE:8306	Common SMitsubishi	15.07 Common SNikkei 225 Financials	Diversified Financials	2020
TSE:8306	Common SMitsubishi	15.07 Common SNikkei 225 Financials	Diversified Financials	2021
TSE:8306	Common SMitsubishi	15.07 Common SNikkei 225 Financials	Diversified Financials	2022
TSE:8306	Common SMitsubishi	15.07 Common SNikkei 225 Financials	Diversified Financials	2023
TSE:8306	Common SMitsubishi	15.07 Common SNikkei 225 Financials	Diversified Financials	2024
TSE:8031	Common SMitsui & C	24.52 Common SNikkei 225 Industrials Trading Co	Industrials	2020
TSE:8031	Common SMitsui & C	24.52 Common SNikkei 225 Industrials Trading Co	Industrials	2021
TSE:8031	Common SMitsui & C	24.52 Common SNikkei 225 Industrials Trading Co	Industrials	2022
TSE:8031	Common SMitsui & C	24.52 Common SNikkei 225 Industrials Trading Co	Industrials	2023
TSE:8031	Common SMitsui & C	24.52 Common SNikkei 225 Industrials Trading Co	Industrials	2024
TSE:4183	Common SMitsui Che	23.81 Common SNikkei 225 Materials	Commodit Materials (	2020
TSE:4183	Common SMitsui Che	23.81 Common SNikkei 225 Materials	Commodit Materials (	2021
TSE:4183	Common SMitsui Che	23.81 Common SNikkei 225 Materials	Commodit Materials (	2022

TSE:4183	Common SMitsui Che	23.81 Common SNikkei 225 Materials	CommoditMaterials (	2023
TSE:4183	Common SMitsui Che	23.81 Common SNikkei 225 Materials	CommoditMaterials (	2024
TSE:8801	Common SMitsui Fud	10.27 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2020
TSE:8801	Common SMitsui Fud	10.27 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2021
TSE:8801	Common SMitsui Fud	10.27 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2022
TSE:8801	Common SMitsui Fud	10.27 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2023
TSE:8801	Common SMitsui Fud	10.27 Common SNikkei 225 Real Estate	DiversifiedReal Estate	2024
TSE:5706	Common SMitsui Kin	100.61 Common SNikkei 225 Materials	DiversifiedMaterials (	2020
TSE:5706	Common SMitsui Kin	100.61 Common SNikkei 225 Materials	DiversifiedMaterials (	2021
TSE:5706	Common SMitsui Kin	100.61 Common SNikkei 225 Materials	DiversifiedMaterials (	2022
TSE:5706	Common SMitsui Kin	100.61 Common SNikkei 225 Materials	DiversifiedMaterials (	2023
TSE:5706	Common SMitsui Kin	100.61 Common SNikkei 225 Materials	DiversifiedMaterials (	2024
TSE:9104	Common SMitsui O.S.	29.65 Common SNikkei 225 Industrials	Marine TrIndustrial	2020
TSE:9104	Common SMitsui O.S.	29.65 Common SNikkei 225 Industrials	Marine TrIndustrial	2021
TSE:9104	Common SMitsui O.S.	29.65 Common SNikkei 225 Industrials	Marine TrIndustrial	2022
TSE:9104	Common SMitsui O.S.	29.65 Common SNikkei 225 Industrials	Marine TrIndustrial	2023
TSE:9104	Common SMitsui O.S.	29.65 Common SNikkei 225 Industrials	Marine TrIndustrial	2024
TSE:8411	Common SMizuho Fir	33.16 Common SNikkei 225 Financials	DiversifiedFinancials	2020
TSE:8411	Common SMizuho Fir	33.16 Common SNikkei 225 Financials	DiversifiedFinancials	2021
TSE:8411	Common SMizuho Fir	33.16 Common SNikkei 225 Financials	DiversifiedFinancials	2022
TSE:8411	Common SMizuho Fir	33.16 Common SNikkei 225 Financials	DiversifiedFinancials	2023
TSE:8411	Common SMizuho Fir	33.16 Common SNikkei 225 Financials	DiversifiedFinancials	2024
TSE:6981	Common SMurata Ma	19.67 Common SNikkei 225 Informatio	Electronic Informatio	2020
TSE:6981	Common SMurata Ma	19.67 Common SNikkei 225 Informatio	Electronic Informatio	2021
TSE:6981	Common SMurata Ma	19.67 Common SNikkei 225 Informatio	Electronic Informatio	2022
TSE:6981	Common SMurata Ma	19.67 Common SNikkei 225 Informatio	Electronic Informatio	2023
TSE:6981	Common SMurata Ma	19.67 Common SNikkei 225 Informatio	Electronic Informatio	2024
TSE:6701	Common SNEC Corpo	37.47 Common SNikkei 225 Informatio	IT Consulti Informatio	2020
TSE:6701	Common SNEC Corpo	37.47 Common SNikkei 225 Informatio	IT Consulti Informatio	2021
TSE:6701	Common SNEC Corpo	37.47 Common SNikkei 225 Informatio	IT Consulti Informatio	2022
TSE:6701	Common SNEC Corpo	37.47 Common SNikkei 225 Informatio	IT Consulti Informatio	2023
TSE:6701	Common SNEC Corpo	37.47 Common SNikkei 225 Informatio	IT Consulti Informatio	2024
TSE:3659	Common SNEXON Co	19.73 Common SNikkei 225 Communic	Interactiv Communic	2020
TSE:3659	Common SNEXON Co	19.73 Common SNikkei 225 Communic	Interactiv Communic	2021
TSE:3659	Common SNEXON Co	19.73 Common SNikkei 225 Communic	Interactiv Communic	2022
TSE:3659	Common SNEXON Co	19.73 Common SNikkei 225 Communic	Interactiv Communic	2023
TSE:3659	Common SNEXON Co	19.73 Common SNikkei 225 Communic	Interactiv Communic	2024
TSE:5333	Common SNGK Insula	16.79 Common SNikkei 225 Industrials	Industrial Industrials	2020
TSE:5333	Common SNGK Insula	16.79 Common SNikkei 225 Industrials	Industrial Industrials	2021
TSE:5333	Common SNGK Insula	16.79 Common SNikkei 225 Industrials	Industrial Industrials	2022
TSE:5333	Common SNGK Insula	16.79 Common SNikkei 225 Industrials	Industrial Industrials	2023
TSE:5333	Common SNGK Insula	16.79 Common SNikkei 225 Industrials	Industrial Industrials	2024
TSE:2282	Common SNH Foods I	36.92 Common SNikkei 225 Consumer	Packaged IConsumer	2020

TSE:2282	Common SNH Foods I	36.92	Common SNikkei 225 Consumer Packaged I	Consumer	2021
TSE:2282	Common SNH Foods I	36.92	Common SNikkei 225 Consumer Packaged I	Consumer	2022
TSE:2282	Common SNH Foods I	36.92	Common SNikkei 225 Consumer Packaged I	Consumer	2023
TSE:2282	Common SNH Foods I	36.92	Common SNikkei 225 Consumer Packaged I	Consumer	2024
TSE:6471	Common SNSK Ltd.	5.09	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:6471	Common SNSK Ltd.	5.09	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:6471	Common SNSK Ltd.	5.09	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:6471	Common SNSK Ltd.	5.09	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:6471	Common SNSK Ltd.	5.09	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:6472	Common SNTN Corp	2.31	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:6472	Common SNTN Corp	2.31	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:6472	Common SNTN Corp	2.31	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:6472	Common SNTN Corp	2.31	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:6472	Common SNTN Corp	2.31	Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:9432	Common SNTT, Inc.	1.03	Common SNikkei 225 CommunicIntegrated	Communic	2020
TSE:9432	Common SNTT, Inc.	1.03	Common SNikkei 225 CommunicIntegrated	Communic	2021
TSE:9432	Common SNTT, Inc.	1.03	Common SNikkei 225 CommunicIntegrated	Communic	2022
TSE:9432	Common SNTT, Inc.	1.03	Common SNikkei 225 CommunicIntegrated	Communic	2023
TSE:9432	Common SNTT, Inc.	1.03	Common SNikkei 225 CommunicIntegrated	Communic	2024
TSE:2871	Common SNichirei Co	11.68	Common SNikkei 225 Consumer Packaged I	Consumer	2020
TSE:2871	Common SNichirei Co	11.68	Common SNikkei 225 Consumer Packaged I	Consumer	2021
TSE:2871	Common SNichirei Co	11.68	Common SNikkei 225 Consumer Packaged I	Consumer	2022
TSE:2871	Common SNichirei Co	11.68	Common SNikkei 225 Consumer Packaged I	Consumer	2023
TSE:2871	Common SNichirei Co	11.68	Common SNikkei 225 Consumer Packaged I	Consumer	2024
TSE:6594	Common SNidec Corp	12.63	Common SNikkei 225 Industrials Electrical	Industrials	2020
TSE:6594	Common SNidec Corp	12.63	Common SNikkei 225 Industrials Electrical	Industrials	2021
TSE:6594	Common SNidec Corp	12.63	Common SNikkei 225 Industrials Electrical	Industrials	2022
TSE:6594	Common SNidec Corp	12.63	Common SNikkei 225 Industrials Electrical	Industrials	2023
TSE:6594	Common SNidec Corp	12.63	Common SNikkei 225 Industrials Electrical	Industrials	2024
TSE:7731	Common SNikon Corp	11.77	Common SNikkei 225 Consumer Consumer	Consumer	2020
TSE:7731	Common SNikon Corp	11.77	Common SNikkei 225 Consumer Consumer	Consumer	2021
TSE:7731	Common SNikon Corp	11.77	Common SNikkei 225 Consumer Consumer	Consumer	2022
TSE:7731	Common SNikon Corp	11.77	Common SNikkei 225 Consumer Consumer	Consumer	2023
TSE:7731	Common SNikon Corp	11.77	Common SNikkei 225 Consumer Consumer	Consumer	2024
TSE:7974	Common SNintendo C	83.77	Common SNikkei 225 CommunicInteractiv	Communic	2020
TSE:7974	Common SNintendo C	83.77	Common SNikkei 225 CommunicInteractiv	Communic	2021
TSE:7974	Common SNintendo C	83.77	Common SNikkei 225 CommunicInteractiv	Communic	2022
TSE:7974	Common SNintendo C	83.77	Common SNikkei 225 CommunicInteractiv	Communic	2023
TSE:7974	Common SNintendo C	83.77	Common SNikkei 225 CommunicInteractiv	Communic	2024
TSE:5214	Common SNippon Ele	33.39	Common SNikkei 225 InformatioElectronic	Informatio	2020
TSE:5214	Common SNippon Ele	33.39	Common SNikkei 225 InformatioElectronic	Informatio	2021
TSE:5214	Common SNippon Ele	33.39	Common SNikkei 225 InformatioElectronic	Informatio	2022
TSE:5214	Common SNippon Ele	33.39	Common SNikkei 225 InformatioElectronic	Informatio	2023

TSE:5214	Common SNippon Ele	33.39 Common SNikkei 225 Informatio	Electronic Informatio	2024
TSE:9147	Common SNippon Exj	21.04 Common SNikkei 225 Industrials	Air Freight Industrials	2020
TSE:9147	Common SNippon Exj	21.04 Common SNikkei 225 Industrials	Air Freight Industrials	2021
TSE:9147	Common SNippon Exj	21.04 Common SNikkei 225 Industrials	Air Freight Industrials	2022
TSE:9147	Common SNippon Exj	21.04 Common SNikkei 225 Industrials	Air Freight Industrials	2023
TSE:9147	Common SNippon Exj	21.04 Common SNikkei 225 Industrials	Air Freight Industrials	2024
TSE:5401	Common SNippon Ste	4.17 Common SNikkei 225 Materials	Steel Materials (	2020
TSE:5401	Common SNippon Ste	4.17 Common SNikkei 225 Materials	Steel Materials (	2021
TSE:5401	Common SNippon Ste	4.17 Common SNikkei 225 Materials	Steel Materials (	2022
TSE:5401	Common SNippon Ste	4.17 Common SNikkei 225 Materials	Steel Materials (	2023
TSE:5401	Common SNippon Ste	4.17 Common SNikkei 225 Materials	Steel Materials (	2024
TSE:9101	Common SNippon Yu:	34.63 Common SNikkei 225 Industrials	Marine TrIndustrial	2020
TSE:9101	Common SNippon Yu:	34.63 Common SNikkei 225 Industrials	Marine TrIndustrial	2021
TSE:9101	Common SNippon Yu:	34.63 Common SNikkei 225 Industrials	Marine TrIndustrial	2022
TSE:9101	Common SNippon Yu:	34.63 Common SNikkei 225 Industrials	Marine TrIndustrial	2023
TSE:9101	Common SNippon Yu:	34.63 Common SNikkei 225 Industrials	Marine TrIndustrial	2024
TSE:4021	Common SNissan Che	34.24 Common SNikkei 225 Materials	DiversifiedMaterials (	2020
TSE:4021	Common SNissan Che	34.24 Common SNikkei 225 Materials	DiversifiedMaterials (	2021
TSE:4021	Common SNissan Che	34.24 Common SNikkei 225 Materials	DiversifiedMaterials (	2022
TSE:4021	Common SNissan Che	34.24 Common SNikkei 225 Materials	DiversifiedMaterials (	2023
TSE:4021	Common SNissan Che	34.24 Common SNikkei 225 Materials	DiversifiedMaterials (	2024
TSE:7201	Common SNissan Mo	2.39 Common SNikkei 225 Consumer	Automobil Consumer	2020
TSE:7201	Common SNissan Mo	2.39 Common SNikkei 225 Consumer	Automobil Consumer	2021
TSE:7201	Common SNissan Mo	2.39 Common SNikkei 225 Consumer	Automobil Consumer	2022
TSE:7201	Common SNissan Mo	2.39 Common SNikkei 225 Consumer	Automobil Consumer	2023
TSE:7201	Common SNissan Mo	2.39 Common SNikkei 225 Consumer	Automobil Consumer	2024
TSE:2002	Common SNisshin Sei	11.49 Common SNikkei 225 Consumer	Packaged IConsumer	2020
TSE:2002	Common SNisshin Sei	11.49 Common SNikkei 225 Consumer	Packaged IConsumer	2021
TSE:2002	Common SNisshin Sei	11.49 Common SNikkei 225 Consumer	Packaged IConsumer	2022
TSE:2002	Common SNisshin Sei	11.49 Common SNikkei 225 Consumer	Packaged IConsumer	2023
TSE:2002	Common SNisshin Sei	11.49 Common SNikkei 225 Consumer	Packaged IConsumer	2024
TSE:1332	Common SNissui Corj	6.94 Common SNikkei 225 Consumer	Packaged IConsumer	2020
TSE:1332	Common SNissui Corj	6.94 Common SNikkei 225 Consumer	Packaged IConsumer	2021
TSE:1332	Common SNissui Corj	6.94 Common SNikkei 225 Consumer	Packaged IConsumer	2022
TSE:1332	Common SNissui Corj	6.94 Common SNikkei 225 Consumer	Packaged IConsumer	2023
TSE:1332	Common SNissui Corj	6.94 Common SNikkei 225 Consumer	Packaged IConsumer	2024
TSE:9843	Common SNitori Holc	16.09 Common SNikkei 225 Consumer	HomefurniConsumer	2020
TSE:9843	Common SNitori Holc	16.09 Common SNikkei 225 Consumer	HomefurniConsumer	2021
TSE:9843	Common SNitori Holc	16.09 Common SNikkei 225 Consumer	HomefurniConsumer	2022
TSE:9843	Common SNitori Holc	16.09 Common SNikkei 225 Consumer	HomefurniConsumer	2023
TSE:9843	Common SNitori Holc	16.09 Common SNikkei 225 Consumer	HomefurniConsumer	2024
TSE:6988	Common SNitto Denk	24.72 Common SNikkei 225 Materials	Specialty CMaterials (	2020
TSE:6988	Common SNitto Denk	24.72 Common SNikkei 225 Materials	Specialty CMaterials (	2021

TSE:6988	Common SNitto Den	24.72	Common SNikkei 225 Materials	Specialty CMaterials (	2022
TSE:6988	Common SNitto Den	24.72	Common SNikkei 225 Materials	Specialty CMaterials (	2023
TSE:6988	Common SNitto Den	24.72	Common SNikkei 225 Materials	Specialty CMaterials (	2024
TSE:8604	Common SNomura Hi	7.07	Common SNikkei 225 Financials	InvestmenFinancials	2020
TSE:8604	Common SNomura Hi	7.07	Common SNikkei 225 Financials	InvestmenFinancials	2021
TSE:8604	Common SNomura Hi	7.07	Common SNikkei 225 Financials	InvestmenFinancials	2022
TSE:8604	Common SNomura Hi	7.07	Common SNikkei 225 Financials	InvestmenFinancials	2023
TSE:8604	Common SNomura Hi	7.07	Common SNikkei 225 Financials	InvestmenFinancials	2024
TSE:4307	Common SNomura Re	37.01	Common SNikkei 225 InformatioIT	Consulti Informatio	2020
TSE:4307	Common SNomura Re	37.01	Common SNikkei 225 InformatioIT	Consulti Informatio	2021
TSE:4307	Common SNomura Re	37.01	Common SNikkei 225 InformatioIT	Consulti Informatio	2022
TSE:4307	Common SNomura Re	37.01	Common SNikkei 225 InformatioIT	Consulti Informatio	2023
TSE:4307	Common SNomura Re	37.01	Common SNikkei 225 InformatioIT	Consulti Informatio	2024
TSE:6645	Common SOMRON C	28.14	Common SNikkei 225 InformatioElectronic	Informatio	2020
TSE:6645	Common SOMRON C	28.14	Common SNikkei 225 InformatioElectronic	Informatio	2021
TSE:6645	Common SOMRON C	28.14	Common SNikkei 225 InformatioElectronic	Informatio	2022
TSE:6645	Common SOMRON C	28.14	Common SNikkei 225 InformatioElectronic	Informatio	2023
TSE:6645	Common SOMRON C	28.14	Common SNikkei 225 InformatioElectronic	Informatio	2024
TSE:8591	Common SORIX Corpe	24.03	Common SNikkei 225 Financials	DiversifiedFinancials	2020
TSE:8591	Common SORIX Corpe	24.03	Common SNikkei 225 Financials	DiversifiedFinancials	2021
TSE:8591	Common SORIX Corpe	24.03	Common SNikkei 225 Financials	DiversifiedFinancials	2022
TSE:8591	Common SORIX Corpe	24.03	Common SNikkei 225 Financials	DiversifiedFinancials	2023
TSE:8591	Common SORIX Corpe	24.03	Common SNikkei 225 Financials	DiversifiedFinancials	2024
TSE:1802	Common SOBayashi C	17.04	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:1802	Common SOBayashi C	17.04	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:1802	Common SOBayashi C	17.04	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:1802	Common SOBayashi C	17.04	Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:1802	Common SOBayashi C	17.04	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:9007	Common SODakyu Ele	10.45	Common SNikkei 225 Industrials Rail Transç	Industrials	2020
TSE:9007	Common SODakyu Ele	10.45	Common SNikkei 225 Industrials Rail Transç	Industrials	2021
TSE:9007	Common SODakyu Ele	10.45	Common SNikkei 225 Industrials Rail Transç	Industrials	2022
TSE:9007	Common SODakyu Ele	10.45	Common SNikkei 225 Industrials Rail Transç	Industrials	2023
TSE:9007	Common SODakyu Ele	10.45	Common SNikkei 225 Industrials Rail Transç	Industrials	2024
TSE:3861	Common SOji Holding	5.09	Common SNikkei 225 Materials	Paper ProcMaterials (	2020
TSE:3861	Common SOji Holding	5.09	Common SNikkei 225 Materials	Paper ProcMaterials (	2021
TSE:3861	Common SOji Holding	5.09	Common SNikkei 225 Materials	Paper ProcMaterials (	2022
TSE:3861	Common SOji Holding	5.09	Common SNikkei 225 Materials	Paper ProcMaterials (	2023
TSE:3861	Common SOji Holding	5.09	Common SNikkei 225 Materials	Paper ProcMaterials (	2024
TSE:6103	Common SOkuma Co	23.2	Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:6103	Common SOkuma Co	23.2	Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:6103	Common SOkuma Co	23.2	Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:6103	Common SOkuma Co	23.2	Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:6103	Common SOkuma Co	23.2	Common SNikkei 225 Industrials Industrial	Industrials	2024

TSE:7733	Common SOlympus C	12.37 Common SNikkei 225 Health Car Health Car Health Car	2020
TSE:7733	Common SOlympus C	12.37 Common SNikkei 225 Health Car Health Car Health Car	2021
TSE:7733	Common SOlympus C	12.37 Common SNikkei 225 Health Car Health Car Health Car	2022
TSE:7733	Common SOlympus C	12.37 Common SNikkei 225 Health Car Health Car Health Car	2023
TSE:7733	Common SOlympus C	12.37 Common SNikkei 225 Health Car Health Car Health Car	2024
TSE:4661	Common SOriental La	22.48 Common SNikkei 225 Consumer Leisure FarConsumer	2020
TSE:4661	Common SOriental La	22.48 Common SNikkei 225 Consumer Leisure FarConsumer	2021
TSE:4661	Common SOriental La	22.48 Common SNikkei 225 Consumer Leisure FarConsumer	2022
TSE:4661	Common SOriental La	22.48 Common SNikkei 225 Consumer Leisure FarConsumer	2023
TSE:4661	Common SOriental La	22.48 Common SNikkei 225 Consumer Leisure FarConsumer	2024
TSE:9532	Common SOsaka Gas	28.93 Common SNikkei 225 Utilities Gas UtilitieUtilities (P	2020
TSE:9532	Common SOsaka Gas	28.93 Common SNikkei 225 Utilities Gas UtilitieUtilities (P	2021
TSE:9532	Common SOsaka Gas	28.93 Common SNikkei 225 Utilities Gas UtilitieUtilities (P	2022
TSE:9532	Common SOsaka Gas	28.93 Common SNikkei 225 Utilities Gas UtilitieUtilities (P	2023
TSE:9532	Common SOsaka Gas	28.93 Common SNikkei 225 Utilities Gas UtilitieUtilities (P	2024
TSE:4578	Common SOtsuka Ho	53.75 Common SNikkei 225 Health Car PharmaceiHealth Car	2020
TSE:4578	Common SOtsuka Ho	53.75 Common SNikkei 225 Health Car PharmaceiHealth Car	2021
TSE:4578	Common SOtsuka Ho	53.75 Common SNikkei 225 Health Car PharmaceiHealth Car	2022
TSE:4578	Common SOtsuka Ho	53.75 Common SNikkei 225 Health Car PharmaceiHealth Car	2023
TSE:4578	Common SOtsuka Ho	53.75 Common SNikkei 225 Health Car PharmaceiHealth Car	2024
TSE:6752	Common SPanasonic	12.48 Common SNikkei 225 Consumer Consumer Consumer	2020
TSE:6752	Common SPanasonic	12.48 Common SNikkei 225 Consumer Consumer Consumer	2021
TSE:6752	Common SPanasonic	12.48 Common SNikkei 225 Consumer Consumer Consumer	2022
TSE:6752	Common SPanasonic	12.48 Common SNikkei 225 Consumer Consumer Consumer	2023
TSE:6752	Common SPanasonic	12.48 Common SNikkei 225 Consumer Consumer Consumer	2024
TSE:6963	Common SROHM Co.	15.83 Common SNikkei 225 InformatioSemiconduInformatio	2020
TSE:6963	Common SROHM Co.	15.83 Common SNikkei 225 InformatioSemiconduInformatio	2021
TSE:6963	Common SROHM Co.	15.83 Common SNikkei 225 InformatioSemiconduInformatio	2022
TSE:6963	Common SROHM Co.	15.83 Common SNikkei 225 InformatioSemiconduInformatio	2023
TSE:6963	Common SROHM Co.	15.83 Common SNikkei 225 InformatioSemiconduInformatio	2024
TSE:4755	Common SRakuten G	6.52 Common SNikkei 225 Consumer Broadline IConsumer	2020
TSE:4755	Common SRakuten G	6.52 Common SNikkei 225 Consumer Broadline IConsumer	2021
TSE:4755	Common SRakuten G	6.52 Common SNikkei 225 Consumer Broadline IConsumer	2022
TSE:4755	Common SRakuten G	6.52 Common SNikkei 225 Consumer Broadline IConsumer	2023
TSE:4755	Common SRakuten G	6.52 Common SNikkei 225 Consumer Broadline IConsumer	2024
TSE:6098	Common SRecruit Ho	49.39 Common SNikkei 225 Industrials Human Re:Industrials	2020
TSE:6098	Common SRecruit Ho	49.39 Common SNikkei 225 Industrials Human Re:Industrials	2021
TSE:6098	Common SRecruit Ho	49.39 Common SNikkei 225 Industrials Human Re:Industrials	2022
TSE:6098	Common SRecruit Ho	49.39 Common SNikkei 225 Industrials Human Re:Industrials	2023
TSE:6098	Common SRecruit Ho	49.39 Common SNikkei 225 Industrials Human Re:Industrials	2024
TSE:6723	Common SRenesas El	11.87 Common SNikkei 225 InformatioSemiconduInformatio	2020
TSE:6723	Common SRenesas El	11.87 Common SNikkei 225 InformatioSemiconduInformatio	2021
TSE:6723	Common SRenesas El	11.87 Common SNikkei 225 InformatioSemiconduInformatio	2022

TSE:6723	Common SRenesas El	11.87	Common SNikkei 225 InformatioSemiconduInformatio	2023
TSE:6723	Common SRenesas El	11.87	Common SNikkei 225 InformatioSemiconduInformatio	2024
TSE:8308	Common SResona Ho	9.77	Common SNikkei 225 Financials Regional B Financials	2020
TSE:8308	Common SResona Ho	9.77	Common SNikkei 225 Financials Regional B Financials	2021
TSE:8308	Common SResona Ho	9.77	Common SNikkei 225 Financials Regional B Financials	2022
TSE:8308	Common SResona Ho	9.77	Common SNikkei 225 Financials Regional B Financials	2023
TSE:8308	Common SResona Ho	9.77	Common SNikkei 225 Financials Regional B Financials	2024
TSE:4004	Common SResonac H	38.53	Common SNikkei 225 Materials DiversifiedMaterials (	2020
TSE:4004	Common SResonac H	38.53	Common SNikkei 225 Materials DiversifiedMaterials (	2021
TSE:4004	Common SResonac H	38.53	Common SNikkei 225 Materials DiversifiedMaterials (	2022
TSE:4004	Common SResonac H	38.53	Common SNikkei 225 Materials DiversifiedMaterials (	2023
TSE:4004	Common SResonac H	38.53	Common SNikkei 225 Materials DiversifiedMaterials (	2024
TSE:7752	Common SRicoh Com	8.7	Common SNikkei 225 InformatioTechnologInformatio	2020
TSE:7752	Common SRicoh Com	8.7	Common SNikkei 225 InformatioTechnologInformatio	2021
TSE:7752	Common SRicoh Com	8.7	Common SNikkei 225 InformatioTechnologInformatio	2022
TSE:7752	Common SRicoh Com	8.7	Common SNikkei 225 InformatioTechnologInformatio	2023
TSE:7752	Common SRicoh Com	8.7	Common SNikkei 225 InformatioTechnologInformatio	2024
TSE:7453	Common SRYohin Kei	18.82	Common SNikkei 225 Consumer Broadline IConsumer	2020
TSE:7453	Common SRYohin Kei	18.82	Common SNikkei 225 Consumer Broadline IConsumer	2021
TSE:7453	Common SRYohin Kei	18.82	Common SNikkei 225 Consumer Broadline IConsumer	2022
TSE:7453	Common SRYohin Kei	18.82	Common SNikkei 225 Consumer Broadline IConsumer	2023
TSE:7453	Common SRYohin Kei	18.82	Common SNikkei 225 Consumer Broadline IConsumer	2024
TSE:7735	Common SSCREEN Hc	92.4	Common SNikkei 225 InformatioSemiconduInformatio	2020
TSE:7735	Common SSCREEN Hc	92.4	Common SNikkei 225 InformatioSemiconduInformatio	2021
TSE:7735	Common SSCREEN Hc	92.4	Common SNikkei 225 InformatioSemiconduInformatio	2022
TSE:7735	Common SSCREEN Hc	92.4	Common SNikkei 225 InformatioSemiconduInformatio	2023
TSE:7735	Common SSCREEN Hc	92.4	Common SNikkei 225 InformatioSemiconduInformatio	2024
TSE:9735	Common SSECOM CC	33.46	Common SNikkei 225 Industrials Security arIndustrials	2020
TSE:9735	Common SSECOM CC	33.46	Common SNikkei 225 Industrials Security arIndustrials	2021
TSE:9735	Common SSECOM CC	33.46	Common SNikkei 225 Industrials Security arIndustrials	2022
TSE:9735	Common SSECOM CC	33.46	Common SNikkei 225 Industrials Security arIndustrials	2023
TSE:9735	Common SSECOM CC	33.46	Common SNikkei 225 Industrials Security arIndustrials	2024
TSE:3697	Common SSHIFT Inc.	7.06	Common SNikkei 225 InformatioIT ConsultiInformatio	2020
TSE:3697	Common SSHIFT Inc.	7.06	Common SNikkei 225 InformatioIT ConsultiInformatio	2021
TSE:3697	Common SSHIFT Inc.	7.06	Common SNikkei 225 InformatioIT ConsultiInformatio	2022
TSE:3697	Common SSHIFT Inc.	7.06	Common SNikkei 225 InformatioIT ConsultiInformatio	2023
TSE:3697	Common SSHIFT Inc.	7.06	Common SNikkei 225 InformatioIT ConsultiInformatio	2024
TSE:6273	Common SSMC Corp	339.63	Common SNikkei 225 Industrials Industrial Industrials	2020
TSE:6273	Common SSMC Corp	339.63	Common SNikkei 225 Industrials Industrial Industrials	2021
TSE:6273	Common SSMC Corp	339.63	Common SNikkei 225 Industrials Industrial Industrials	2022
TSE:6273	Common SSMC Corp	339.63	Common SNikkei 225 Industrials Industrial Industrials	2023
TSE:6273	Common SSMC Corp	339.63	Common SNikkei 225 Industrials Industrial Industrials	2024
TSE:2501	Common SSapporo H	47.82	Common SNikkei 225 Consumer Brewers Consumer	2020

TSE:2501	Common SSapporo H	47.82	Common SNikkei 225 Consumer Brewers	Consumer	2021
TSE:2501	Common SSapporo H	47.82	Common SNikkei 225 Consumer Brewers	Consumer	2022
TSE:2501	Common SSapporo H	47.82	Common SNikkei 225 Consumer Brewers	Consumer	2023
TSE:2501	Common SSapporo H	47.82	Common SNikkei 225 Consumer Brewers	Consumer	2024
TSE:6724	Common SSeiko Epso	12.82	Common SNikkei 225 InformatioTechnolog	Informatio	2020
TSE:6724	Common SSeiko Epso	12.82	Common SNikkei 225 InformatioTechnolog	Informatio	2021
TSE:6724	Common SSeiko Epso	12.82	Common SNikkei 225 InformatioTechnolog	Informatio	2022
TSE:6724	Common SSeiko Epso	12.82	Common SNikkei 225 InformatioTechnolog	Informatio	2023
TSE:6724	Common SSeiko Epso	12.82	Common SNikkei 225 InformatioTechnolog	Informatio	2024
TSE:1928	Common SSeisui Hoi	21.61	Common SNikkei 225 Consumer Homebuilc	Consumer	2020
TSE:1928	Common SSeisui Hoi	21.61	Common SNikkei 225 Consumer Homebuilc	Consumer	2021
TSE:1928	Common SSeisui Hoi	21.61	Common SNikkei 225 Consumer Homebuilc	Consumer	2022
TSE:1928	Common SSeisui Hoi	21.61	Common SNikkei 225 Consumer Homebuilc	Consumer	2023
TSE:1928	Common SSeisui Hoi	21.61	Common SNikkei 225 Consumer Homebuilc	Consumer	2024
TSE:3382	Common SSeven & i f	12.77	Common SNikkei 225 Consumer Food Retai	Consumer	2020
TSE:3382	Common SSeven & i f	12.77	Common SNikkei 225 Consumer Food Retai	Consumer	2021
TSE:3382	Common SSeven & i f	12.77	Common SNikkei 225 Consumer Food Retai	Consumer	2022
TSE:3382	Common SSeven & i f	12.77	Common SNikkei 225 Consumer Food Retai	Consumer	2023
TSE:3382	Common SSeven & i f	12.77	Common SNikkei 225 Consumer Food Retai	Consumer	2024
TSE:6753	Common SSharp Corç	5.51	Common SNikkei 225 Consumer Consumer	Consumer	2020
TSE:6753	Common SSharp Corç	5.51	Common SNikkei 225 Consumer Consumer	Consumer	2021
TSE:6753	Common SSharp Corç	5.51	Common SNikkei 225 Consumer Consumer	Consumer	2022
TSE:6753	Common SSharp Corç	5.51	Common SNikkei 225 Consumer Consumer	Consumer	2023
TSE:6753	Common SSharp Corç	5.51	Common SNikkei 225 Consumer Consumer	Consumer	2024
TSE:1803	Common SShimizu Cc	13.43	Common SNikkei 225 Industrials Constructi	Industrials	2020
TSE:1803	Common SShimizu Cc	13.43	Common SNikkei 225 Industrials Constructi	Industrials	2021
TSE:1803	Common SShimizu Cc	13.43	Common SNikkei 225 Industrials Constructi	Industrials	2022
TSE:1803	Common SShimizu Cc	13.43	Common SNikkei 225 Industrials Constructi	Industrials	2023
TSE:1803	Common SShimizu Cc	13.43	Common SNikkei 225 Industrials Constructi	Industrials	2024
TSE:4063	Common SShin-Etsu C	29.84	Common SNikkei 225 Materials Specialty C	Materials (	2020
TSE:4063	Common SShin-Etsu C	29.84	Common SNikkei 225 Materials Specialty C	Materials (	2021
TSE:4063	Common SShin-Etsu C	29.84	Common SNikkei 225 Materials Specialty C	Materials (	2022
TSE:4063	Common SShin-Etsu C	29.84	Common SNikkei 225 Materials Specialty C	Materials (	2023
TSE:4063	Common SShin-Etsu C	29.84	Common SNikkei 225 Materials Specialty C	Materials (	2024
TSE:4507	Common SShionogi &	16.12	Common SNikkei 225 Health Car Pharmacei	Health Car	2020
TSE:4507	Common SShionogi &	16.12	Common SNikkei 225 Health Car Pharmacei	Health Car	2021
TSE:4507	Common SShionogi &	16.12	Common SNikkei 225 Health Car Pharmacei	Health Car	2022
TSE:4507	Common SShionogi &	16.12	Common SNikkei 225 Health Car Pharmacei	Health Car	2023
TSE:4507	Common SShionogi &	16.12	Common SNikkei 225 Health Car Pharmacei	Health Car	2024
TSE:4911	Common SShiseido C	16.89	Common SNikkei 225 Consumer Personal C	Consumer	2020
TSE:4911	Common SShiseido C	16.89	Common SNikkei 225 Consumer Personal C	Consumer	2021
TSE:4911	Common SShiseido C	16.89	Common SNikkei 225 Consumer Personal C	Consumer	2022
TSE:4911	Common SShiseido C	16.89	Common SNikkei 225 Consumer Personal C	Consumer	2023



TSE:4911	Common SShiseido C	16.89	Common SNikkei 225 Consumer Personal C	Consumer	2024
TSE:5831	Common SShizuoka F	13.52	Common SNikkei 225 Financials Regional B	Financials	2020
TSE:5831	Common SShizuoka F	13.52	Common SNikkei 225 Financials Regional B	Financials	2021
TSE:5831	Common SShizuoka F	13.52	Common SNikkei 225 Financials Regional B	Financials	2022
TSE:5831	Common SShizuoka F	13.52	Common SNikkei 225 Financials Regional B	Financials	2023
TSE:5831	Common SShizuoka F	13.52	Common SNikkei 225 Financials Regional B	Financials	2024
TSE:6526	Common SSocionext I	19.41	Common SNikkei 225 InformatioSemicondu	Informatio	2020
TSE:6526	Common SSocionext I	19.41	Common SNikkei 225 InformatioSemicondu	Informatio	2021
TSE:6526	Common SSocionext I	19.41	Common SNikkei 225 InformatioSemicondu	Informatio	2022
TSE:6526	Common SSocionext I	19.41	Common SNikkei 225 InformatioSemicondu	Informatio	2023
TSE:6526	Common SSocionext I	19.41	Common SNikkei 225 InformatioSemicondu	Informatio	2024
TSE:9434	New ComrSoftBank C	1.42	Common SNikkei 225 CommunicWireless T	Communic	2020
TSE:9434	New ComrSoftBank C	1.42	Common SNikkei 225 CommunicWireless T	Communic	2021
TSE:9434	New ComrSoftBank C	1.42	Common SNikkei 225 CommunicWireless T	Communic	2022
TSE:9434	New ComrSoftBank C	1.42	Common SNikkei 225 CommunicWireless T	Communic	2023
TSE:9434	New ComrSoftBank C	1.42	Common SNikkei 225 CommunicWireless T	Communic	2024
TSE:9984	Common SSoftBank G	170.66	Common SNikkei 225 CommunicWireless T	Communic	2020
TSE:9984	Common SSoftBank G	170.66	Common SNikkei 225 CommunicWireless T	Communic	2021
TSE:9984	Common SSoftBank G	170.66	Common SNikkei 225 CommunicWireless T	Communic	2022
TSE:9984	Common SSoftBank G	170.66	Common SNikkei 225 CommunicWireless T	Communic	2023
TSE:9984	Common SSoftBank G	170.66	Common SNikkei 225 CommunicWireless T	Communic	2024
TSE:2768	Common SSojitz Corp	26.62	Common SNikkei 225 Industrials Trading Co	Industrials	2020
TSE:2768	Common SSojitz Corp	26.62	Common SNikkei 225 Industrials Trading Co	Industrials	2021
TSE:2768	Common SSojitz Corp	26.62	Common SNikkei 225 Industrials Trading Co	Industrials	2022
TSE:2768	Common SSojitz Corp	26.62	Common SNikkei 225 Industrials Trading Co	Industrials	2023
TSE:2768	Common SSojitz Corp	26.62	Common SNikkei 225 Industrials Trading Co	Industrials	2024
TSE:8630	Common SSompo Ho	30.19	Common SNikkei 225 Financials Property a	Financials	2020
TSE:8630	Common SSompo Ho	30.19	Common SNikkei 225 Financials Property a	Financials	2021
TSE:8630	Common SSompo Ho	30.19	Common SNikkei 225 Financials Property a	Financials	2022
TSE:8630	Common SSompo Ho	30.19	Common SNikkei 225 Financials Property a	Financials	2023
TSE:8630	Common SSompo Ho	30.19	Common SNikkei 225 Financials Property a	Financials	2024
TSE:6758	Common SSony Grou	27.46	Common SNikkei 225 Consumer Consumer	Consumer	2020
TSE:6758	Common SSony Grou	27.46	Common SNikkei 225 Consumer Consumer	Consumer	2021
TSE:6758	Common SSony Grou	27.46	Common SNikkei 225 Consumer Consumer	Consumer	2022
TSE:6758	Common SSony Grou	27.46	Common SNikkei 225 Consumer Consumer	Consumer	2023
TSE:6758	Common SSony Grou	27.46	Common SNikkei 225 Consumer Consumer	Consumer	2024
TSE:7270	Common SSubaru Coi	21.47	Common SNikkei 225 Consumer Automobil	Consumer	2020
TSE:7270	Common SSubaru Coi	21.47	Common SNikkei 225 Consumer Automobil	Consumer	2021
TSE:7270	Common SSubaru Coi	21.47	Common SNikkei 225 Consumer Automobil	Consumer	2022
TSE:7270	Common SSubaru Coi	21.47	Common SNikkei 225 Consumer Automobil	Consumer	2023
TSE:7270	Common SSubaru Coi	21.47	Common SNikkei 225 Consumer Automobil	Consumer	2024
TSE:3436	Common SSumco Cor	10.44	Common SNikkei 225 InformatioSemicondu	Informatio	2020
TSE:3436	Common SSumco Cor	10.44	Common SNikkei 225 InformatioSemicondu	Informatio	2021

TSE:3436	Common SSumco Cor	10.44 Common SNikkei 225 Informatio	Semicondu	Informatio	2022
TSE:3436	Common SSumco Cor	10.44 Common SNikkei 225 Informatio	Semicondu	Informatio	2023
TSE:3436	Common SSumco Cor	10.44 Common SNikkei 225 Informatio	Semicondu	Informatio	2024
TSE:4005	Common SSumitomo	3.01 Common SNikkei 225 Materials	Diversified	Materials (	2020
TSE:4005	Common SSumitomo	3.01 Common SNikkei 225 Materials	Diversified	Materials (	2021
TSE:4005	Common SSumitomo	3.01 Common SNikkei 225 Materials	Diversified	Materials (	2022
TSE:4005	Common SSumitomo	3.01 Common SNikkei 225 Materials	Diversified	Materials (	2023
TSE:4005	Common SSumitomo	3.01 Common SNikkei 225 Materials	Diversified	Materials (	2024
TSE:8053	Common SSumitomo	30.2 Common SNikkei 225 Industrials	Trading Co	Industrials	2020
TSE:8053	Common SSumitomo	30.2 Common SNikkei 225 Industrials	Trading Co	Industrials	2021
TSE:8053	Common SSumitomo	30.2 Common SNikkei 225 Industrials	Trading Co	Industrials	2022
TSE:8053	Common SSumitomo	30.2 Common SNikkei 225 Industrials	Trading Co	Industrials	2023
TSE:8053	Common SSumitomo	30.2 Common SNikkei 225 Industrials	Trading Co	Industrials	2024
TSE:5802	Common SSumitomo	34.39 Common SNikkei 225 Consumer	Automotiv	Consumer	2020
TSE:5802	Common SSumitomo	34.39 Common SNikkei 225 Consumer	Automotiv	Consumer	2021
TSE:5802	Common SSumitomo	34.39 Common SNikkei 225 Consumer	Automotiv	Consumer	2022
TSE:5802	Common SSumitomo	34.39 Common SNikkei 225 Consumer	Automotiv	Consumer	2023
TSE:5802	Common SSumitomo	34.39 Common SNikkei 225 Consumer	Automotiv	Consumer	2024
TSE:6302	Common SSumitomo	26.42 Common SNikkei 225 Industrials	Industrial	Industrials	2020
TSE:6302	Common SSumitomo	26.42 Common SNikkei 225 Industrials	Industrial	Industrials	2021
TSE:6302	Common SSumitomo	26.42 Common SNikkei 225 Industrials	Industrial	Industrials	2022
TSE:6302	Common SSumitomo	26.42 Common SNikkei 225 Industrials	Industrial	Industrials	2023
TSE:6302	Common SSumitomo	26.42 Common SNikkei 225 Industrials	Industrial	Industrials	2024
TSE:5713	Common SSumitomo	32.99 Common SNikkei 225 Materials	Diversified	Materials (	2020
TSE:5713	Common SSumitomo	32.99 Common SNikkei 225 Materials	Diversified	Materials (	2021
TSE:5713	Common SSumitomo	32.99 Common SNikkei 225 Materials	Diversified	Materials (	2022
TSE:5713	Common SSumitomo	32.99 Common SNikkei 225 Materials	Diversified	Materials (	2023
TSE:5713	Common SSumitomo	32.99 Common SNikkei 225 Materials	Diversified	Materials (	2024
TSE:8316	Common SSumitomo	26.81 Common SNikkei 225 Financials	Diversified	Financials	2020
TSE:8316	Common SSumitomo	26.81 Common SNikkei 225 Financials	Diversified	Financials	2021
TSE:8316	Common SSumitomo	26.81 Common SNikkei 225 Financials	Diversified	Financials	2022
TSE:8316	Common SSumitomo	26.81 Common SNikkei 225 Financials	Diversified	Financials	2023
TSE:8316	Common SSumitomo	26.81 Common SNikkei 225 Financials	Diversified	Financials	2024
TSE:8309	Common SSumitomo	27.46 Common SNikkei 225 Financials	Diversified	Financials	2020
TSE:8309	Common SSumitomo	27.46 Common SNikkei 225 Financials	Diversified	Financials	2021
TSE:8309	Common SSumitomo	27.46 Common SNikkei 225 Financials	Diversified	Financials	2022
TSE:8309	Common SSumitomo	27.46 Common SNikkei 225 Financials	Diversified	Financials	2023
TSE:8309	Common SSumitomo	27.46 Common SNikkei 225 Financials	Diversified	Financials	2024
TSE:4506	Common SSumitomo	11.1 Common SNikkei 225 Health Car	Pharmacei	Health Car	2020
TSE:4506	Common SSumitomo	11.1 Common SNikkei 225 Health Car	Pharmacei	Health Car	2021
TSE:4506	Common SSumitomo	11.1 Common SNikkei 225 Health Car	Pharmacei	Health Car	2022
TSE:4506	Common SSumitomo	11.1 Common SNikkei 225 Health Car	Pharmacei	Health Car	2023
TSE:4506	Common SSumitomo	11.1 Common SNikkei 225 Health Car	Pharmacei	Health Car	2024

TSE:8830	Common SSumitomo	42.9 Common S	Nikkei 225 Real EstateDiversifiedReal Estate	2020
TSE:8830	Common SSumitomo	42.9 Common S	Nikkei 225 Real EstateDiversifiedReal Estate	2021
TSE:8830	Common SSumitomo	42.9 Common S	Nikkei 225 Real EstateDiversifiedReal Estate	2022
TSE:8830	Common SSumitomo	42.9 Common S	Nikkei 225 Real EstateDiversifiedReal Estate	2023
TSE:8830	Common SSumitomo	42.9 Common S	Nikkei 225 Real EstateDiversifiedReal Estate	2024
TSE:7269	Common SSuzuki Mo	14.84 Common S	Nikkei 225 Consumer AutomobilConsumer	2020
TSE:7269	Common SSuzuki Mo	14.84 Common S	Nikkei 225 Consumer AutomobilConsumer	2021
TSE:7269	Common SSuzuki Mo	14.84 Common S	Nikkei 225 Consumer AutomobilConsumer	2022
TSE:7269	Common SSuzuki Mo	14.84 Common S	Nikkei 225 Consumer AutomobilConsumer	2023
TSE:7269	Common SSuzuki Mo	14.84 Common S	Nikkei 225 Consumer AutomobilConsumer	2024
TSE:8795	Common ST&D Holdii	21.51 Common S	Nikkei 225 Financials Life and HFinancials	2020
TSE:8795	Common ST&D Holdii	21.51 Common S	Nikkei 225 Financials Life and HFinancials	2021
TSE:8795	Common ST&D Holdii	21.51 Common S	Nikkei 225 Financials Life and HFinancials	2022
TSE:8795	Common ST&D Holdii	21.51 Common S	Nikkei 225 Financials Life and HFinancials	2023
TSE:8795	Common ST&D Holdii	21.51 Common S	Nikkei 225 Financials Life and HFinancials	2024
TSE:6762	Common STDK Corpo	16.69 Common S	Nikkei 225 InformatioElectronic Informatio	2020
TSE:6762	Common STDK Corpo	16.69 Common S	Nikkei 225 InformatioElectronic Informatio	2021
TSE:6762	Common STDK Corpo	16.69 Common S	Nikkei 225 InformatioElectronic Informatio	2022
TSE:6762	Common STDK Corpo	16.69 Common S	Nikkei 225 InformatioElectronic Informatio	2023
TSE:6762	Common STDK Corpo	16.69 Common S	Nikkei 225 InformatioElectronic Informatio	2024
TSE:7911	Common STOPPAN H	23.99 Common S	Nikkei 225 Industrials CommerciIndustrials	2020
TSE:7911	Common STOPPAN H	23.99 Common S	Nikkei 225 Industrials CommerciIndustrials	2021
TSE:7911	Common STOPPAN H	23.99 Common S	Nikkei 225 Industrials CommerciIndustrials	2022
TSE:7911	Common STOPPAN H	23.99 Common S	Nikkei 225 Industrials CommerciIndustrials	2023
TSE:7911	Common STOPPAN H	23.99 Common S	Nikkei 225 Industrials CommerciIndustrials	2024
TSE:5332	Common STOTO LTD.	25.51 Common S	Nikkei 225 Industrials Building PrIndustrials	2020
TSE:5332	Common STOTO LTD.	25.51 Common S	Nikkei 225 Industrials Building PrIndustrials	2021
TSE:5332	Common STOTO LTD.	25.51 Common S	Nikkei 225 Industrials Building PrIndustrials	2022
TSE:5332	Common STOTO LTD.	25.51 Common S	Nikkei 225 Industrials Building PrIndustrials	2023
TSE:5332	Common STOTO LTD.	25.51 Common S	Nikkei 225 Industrials Building PrIndustrials	2024
TSE:5233	Common STaiheiyo C	27.64 Common S	Nikkei 225 Materials Constructi Materials (	2020
TSE:5233	Common STaiheiyo C	27.64 Common S	Nikkei 225 Materials Constructi Materials (	2021
TSE:5233	Common STaiheiyo C	27.64 Common S	Nikkei 225 Materials Constructi Materials (	2022
TSE:5233	Common STaiheiyo C	27.64 Common S	Nikkei 225 Materials Constructi Materials (	2023
TSE:5233	Common STaiheiyo C	27.64 Common S	Nikkei 225 Materials Constructi Materials (	2024
TSE:1801	Common STaisei Corç	72.71 Common S	Nikkei 225 Industrials Constructi Industrials	2020
TSE:1801	Common STaisei Corç	72.71 Common S	Nikkei 225 Industrials Constructi Industrials	2021
TSE:1801	Common STaisei Corç	72.71 Common S	Nikkei 225 Industrials Constructi Industrials	2022
TSE:1801	Common STaisei Corç	72.71 Common S	Nikkei 225 Industrials Constructi Industrials	2023
TSE:1801	Common STaisei Corç	72.71 Common S	Nikkei 225 Industrials Constructi Industrials	2024
TSE:6976	Common STaiyo Yude	27.31 Common S	Nikkei 225 InformatioElectronic Informatio	2020
TSE:6976	Common STaiyo Yude	27.31 Common S	Nikkei 225 InformatioElectronic Informatio	2021
TSE:6976	Common STaiyo Yude	27.31 Common S	Nikkei 225 InformatioElectronic Informatio	2022

TSE:6976	Common STaiyo Yude	27.31 Common SNikkei 225 InformatioElectronic Informatio	2023
TSE:6976	Common STaiyo Yude	27.31 Common SNikkei 225 InformatioElectronic Informatio	2024
TSE:8233	Common STakashima	10.75 Common SNikkei 225 Consumer Broadline IConsumer	2020
TSE:8233	Common STakashima	10.75 Common SNikkei 225 Consumer Broadline IConsumer	2021
TSE:8233	Common STakashima	10.75 Common SNikkei 225 Consumer Broadline IConsumer	2022
TSE:8233	Common STakashima	10.75 Common SNikkei 225 Consumer Broadline IConsumer	2023
TSE:8233	Common STakashima	10.75 Common SNikkei 225 Consumer Broadline IConsumer	2024
TSE:4502	Common STakeda Ph	27.62 Common SNikkei 225 Health Car PharmaceiHealth Car	2020
TSE:4502	Common STakeda Ph	27.62 Common SNikkei 225 Health Car PharmaceiHealth Car	2021
TSE:4502	Common STakeda Ph	27.62 Common SNikkei 225 Health Car PharmaceiHealth Car	2022
TSE:4502	Common STakeda Ph	27.62 Common SNikkei 225 Health Car PharmaceiHealth Car	2023
TSE:4502	Common STakeda Ph	27.62 Common SNikkei 225 Health Car PharmaceiHealth Car	2024
TSE:3401	Common STEijin Limi	8.81 Common SNikkei 225 Materials CommoditMaterials (	2020
TSE:3401	Common STEijin Limi	8.81 Common SNikkei 225 Materials CommoditMaterials (	2021
TSE:3401	Common STEijin Limi	8.81 Common SNikkei 225 Materials CommoditMaterials (	2022
TSE:3401	Common STEijin Limi	8.81 Common SNikkei 225 Materials CommoditMaterials (	2023
TSE:3401	Common STEijin Limi	8.81 Common SNikkei 225 Materials CommoditMaterials (	2024
TSE:4543	Common STerumo Cc	16.06 Common SNikkei 225 Health Car Health Car Health Car	2020
TSE:4543	Common STerumo Cc	16.06 Common SNikkei 225 Health Car Health Car Health Car	2021
TSE:4543	Common STerumo Cc	16.06 Common SNikkei 225 Health Car Health Car Health Car	2022
TSE:4543	Common STerumo Cc	16.06 Common SNikkei 225 Health Car Health Car Health Car	2023
TSE:4543	Common STerumo Cc	16.06 Common SNikkei 225 Health Car Health Car Health Car	2024
TSE:8331	Common SThe Chiba	9.77 Common SNikkei 225 Financials Regional BFinancials	2020
TSE:8331	Common SThe Chiba	9.77 Common SNikkei 225 Financials Regional BFinancials	2021
TSE:8331	Common SThe Chiba	9.77 Common SNikkei 225 Financials Regional BFinancials	2022
TSE:8331	Common SThe Chiba	9.77 Common SNikkei 225 Financials Regional BFinancials	2023
TSE:8331	Common SThe Chiba	9.77 Common SNikkei 225 Financials Regional BFinancials	2024
TSE:5631	Common SThe Japan	66.22 Common SNikkei 225 Industrials Industrial Industrials	2020
TSE:5631	Common SThe Japan	66.22 Common SNikkei 225 Industrials Industrial Industrials	2021
TSE:5631	Common SThe Japan	66.22 Common SNikkei 225 Industrials Industrial Industrials	2022
TSE:5631	Common SThe Japan	66.22 Common SNikkei 225 Industrials Industrial Industrials	2023
TSE:5631	Common SThe Japan	66.22 Common SNikkei 225 Industrials Industrial Industrials	2024
TSE:9503	Common SThe Kansai	14.71 Common SNikkei 225 Utilities Electric UtiUtilities (P	2020
TSE:9503	Common SThe Kansai	14.71 Common SNikkei 225 Utilities Electric UtiUtilities (P	2021
TSE:9503	Common SThe Kansai	14.71 Common SNikkei 225 Utilities Electric UtiUtilities (P	2022
TSE:9503	Common SThe Kansai	14.71 Common SNikkei 225 Utilities Electric UtiUtilities (P	2023
TSE:9503	Common SThe Kansai	14.71 Common SNikkei 225 Utilities Electric UtiUtilities (P	2024
TSE:5101	Common SThe Yokoh	35.8 Common SNikkei 225 Consumer Tires and Consumer	2020
TSE:5101	Common SThe Yokoh	35.8 Common SNikkei 225 Consumer Tires and Consumer	2021
TSE:5101	Common SThe Yokoh	35.8 Common SNikkei 225 Consumer Tires and Consumer	2022
TSE:5101	Common SThe Yokoh	35.8 Common SNikkei 225 Consumer Tires and Consumer	2023
TSE:5101	Common SThe Yokoh	35.8 Common SNikkei 225 Consumer Tires and Consumer	2024
TSE:9001	Common STobu Railw	16.14 Common SNikkei 225 Industrials Rail TranspIndustrials	2020

TSE:9001	Common STobu Railw	16.14 Common SNikkei 225 Industrials Rail Transp	Industrials	2021
TSE:9001	Common STobu Railw	16.14 Common SNikkei 225 Industrials Rail Transp	Industrials	2022
TSE:9001	Common STobu Railw	16.14 Common SNikkei 225 Industrials Rail Transp	Industrials	2023
TSE:9001	Common STobu Railw	16.14 Common SNikkei 225 Industrials Rail Transp	Industrials	2024
TSE:9602	Common SToho Co., l	57.04 Common SNikkei 225 Communic	Movies an	2020
TSE:9602	Common SToho Co., l	57.04 Common SNikkei 225 Communic	Movies an	2021
TSE:9602	Common SToho Co., l	57.04 Common SNikkei 225 Communic	Movies an	2022
TSE:9602	Common SToho Co., l	57.04 Common SNikkei 225 Communic	Movies an	2023
TSE:9602	Common SToho Co., l	57.04 Common SNikkei 225 Communic	Movies an	2024
TSE:5301	Common STokai Carb	6.73 Common SNikkei 225 Materials	Commodit	2020
TSE:5301	Common STokai Carb	6.73 Common SNikkei 225 Materials	Commodit	2021
TSE:5301	Common STokai Carb	6.73 Common SNikkei 225 Materials	Commodit	2022
TSE:5301	Common STokai Carb	6.73 Common SNikkei 225 Materials	Commodit	2023
TSE:5301	Common STokai Carb	6.73 Common SNikkei 225 Materials	Commodit	2024
TSE:8766	Common STokio Mari	37.58 Common SNikkei 225 Financials	Property a	2020
TSE:8766	Common STokio Mari	37.58 Common SNikkei 225 Financials	Property a	2021
TSE:8766	Common STokio Mari	37.58 Common SNikkei 225 Financials	Property a	2022
TSE:8766	Common STokio Mari	37.58 Common SNikkei 225 Financials	Property a	2023
TSE:8766	Common STokio Mari	37.58 Common SNikkei 225 Financials	Property a	2024
TSE:4043	Common STokuyama	24.99 Common SNikkei 225 Materials	Specialty C	2020
TSE:4043	Common STokuyama	24.99 Common SNikkei 225 Materials	Specialty C	2021
TSE:4043	Common STokuyama	24.99 Common SNikkei 225 Materials	Specialty C	2022
TSE:4043	Common STokuyama	24.99 Common SNikkei 225 Materials	Specialty C	2023
TSE:4043	Common STokuyama	24.99 Common SNikkei 225 Materials	Specialty C	2024
TSE:9501	Common STokyo Elec	4.86 Common SNikkei 225 Utilities	Electric Uti	2020
TSE:9501	Common STokyo Elec	4.86 Common SNikkei 225 Utilities	Electric Uti	2021
TSE:9501	Common STokyo Elec	4.86 Common SNikkei 225 Utilities	Electric Uti	2022
TSE:9501	Common STokyo Elec	4.86 Common SNikkei 225 Utilities	Electric Uti	2023
TSE:9501	Common STokyo Elec	4.86 Common SNikkei 225 Utilities	Electric Uti	2024
TSE:8035	Common STokyo Elec	214.07 Common SNikkei 225 Informatio	Semicondu	2020
TSE:8035	Common STokyo Elec	214.07 Common SNikkei 225 Informatio	Semicondu	2021
TSE:8035	Common STokyo Elec	214.07 Common SNikkei 225 Informatio	Semicondu	2022
TSE:8035	Common STokyo Elec	214.07 Common SNikkei 225 Informatio	Semicondu	2023
TSE:8035	Common STokyo Elec	214.07 Common SNikkei 225 Informatio	Semicondu	2024
TSE:9531	Common STokyo Gas	34.55 Common SNikkei 225 Utilities	Gas Utilitie	2020
TSE:9531	Common STokyo Gas	34.55 Common SNikkei 225 Utilities	Gas Utilitie	2021
TSE:9531	Common STokyo Gas	34.55 Common SNikkei 225 Utilities	Gas Utilitie	2022
TSE:9531	Common STokyo Gas	34.55 Common SNikkei 225 Utilities	Gas Utilitie	2023
TSE:9531	Common STokyo Gas	34.55 Common SNikkei 225 Utilities	Gas Utilitie	2024
TSE:8804	Common STokyo Tate	18.73 Common SNikkei 225 Real Estate	Diversified	2020
TSE:8804	Common STokyo Tate	18.73 Common SNikkei 225 Real Estate	Diversified	2021
TSE:8804	Common STokyo Tate	18.73 Common SNikkei 225 Real Estate	Diversified	2022
TSE:8804	Common STokyo Tate	18.73 Common SNikkei 225 Real Estate	Diversified	2023

TSE:8804	Common STokyo Tate	18.73 Common SNikkei 225 Real EstateDiversifiedReal Estate	2024
TSE:9005	Common STokyu Corç	11.04 Common SNikkei 225 Industrials Rail TransçIndustrials	2020
TSE:9005	Common STokyu Corç	11.04 Common SNikkei 225 Industrials Rail TransçIndustrials	2021
TSE:9005	Common STokyu Corç	11.04 Common SNikkei 225 Industrials Rail TransçIndustrials	2022
TSE:9005	Common STokyu Corç	11.04 Common SNikkei 225 Industrials Rail TransçIndustrials	2023
TSE:9005	Common STokyu Corç	11.04 Common SNikkei 225 Industrials Rail TransçIndustrials	2024
TSE:3289	Common STokyu Fudi	8.04 Common SNikkei 225 Real EstateDiversifiedReal Estate	2020
TSE:3289	Common STokyu Fudi	8.04 Common SNikkei 225 Real EstateDiversifiedReal Estate	2021
TSE:3289	Common STokyu Fudi	8.04 Common SNikkei 225 Real EstateDiversifiedReal Estate	2022
TSE:3289	Common STokyu Fudi	8.04 Common SNikkei 225 Real EstateDiversifiedReal Estate	2023
TSE:3289	Common STokyu Fudi	8.04 Common SNikkei 225 Real EstateDiversifiedReal Estate	2024
TSE:3402	Common SToray Indu	6.17 Common SNikkei 225 Materials CommoditMaterials (	2020
TSE:3402	Common SToray Indu	6.17 Common SNikkei 225 Materials CommoditMaterials (	2021
TSE:3402	Common SToray Indu	6.17 Common SNikkei 225 Materials CommoditMaterials (	2022
TSE:3402	Common SToray Indu	6.17 Common SNikkei 225 Materials CommoditMaterials (	2023
TSE:3402	Common SToray Indu	6.17 Common SNikkei 225 Materials CommoditMaterials (	2024
TSE:4042	Common STosoh Corç	14.31 Common SNikkei 225 Materials CommoditMaterials (	2020
TSE:4042	Common STosoh Corç	14.31 Common SNikkei 225 Materials CommoditMaterials (	2021
TSE:4042	Common STosoh Corç	14.31 Common SNikkei 225 Materials CommoditMaterials (	2022
TSE:4042	Common STosoh Corç	14.31 Common SNikkei 225 Materials CommoditMaterials (	2023
TSE:4042	Common STosoh Corç	14.31 Common SNikkei 225 Materials CommoditMaterials (	2024
TSE:7203	Common SToyota Mc	20.67 Common SNikkei 225 Consumer Automobil Consumer	2020
TSE:7203	Common SToyota Mc	20.67 Common SNikkei 225 Consumer Automobil Consumer	2021
TSE:7203	Common SToyota Mc	20.67 Common SNikkei 225 Consumer Automobil Consumer	2022
TSE:7203	Common SToyota Mc	20.67 Common SNikkei 225 Consumer Automobil Consumer	2023
TSE:7203	Common SToyota Mc	20.67 Common SNikkei 225 Consumer Automobil Consumer	2024
TSE:8015	Common SToyota Tsu	29.2 Common SNikkei 225 Industrials Trading CoIndustrials	2020
TSE:8015	Common SToyota Tsu	29.2 Common SNikkei 225 Industrials Trading CoIndustrials	2021
TSE:8015	Common SToyota Tsu	29.2 Common SNikkei 225 Industrials Trading CoIndustrials	2022
TSE:8015	Common SToyota Tsu	29.2 Common SNikkei 225 Industrials Trading CoIndustrials	2023
TSE:8015	Common SToyota Tsu	29.2 Common SNikkei 225 Industrials Trading CoIndustrials	2024
TSE:4704	Common STrend Micr	49.6 Common SNikkei 225 InformatioSystems ScInformatio	2020
TSE:4704	Common STrend Micr	49.6 Common SNikkei 225 InformatioSystems ScInformatio	2021
TSE:4704	Common STrend Micr	49.6 Common SNikkei 225 InformatioSystems ScInformatio	2022
TSE:4704	Common STrend Micr	49.6 Common SNikkei 225 InformatioSystems ScInformatio	2023
TSE:4704	Common STrend Micr	49.6 Common SNikkei 225 InformatioSystems ScInformatio	2024
TSE:4208	Common SUBE Corpo	14.81 Common SNikkei 225 Materials DiversifiedMaterials (	2020
TSE:4208	Common SUBE Corpo	14.81 Common SNikkei 225 Materials DiversifiedMaterials (	2021
TSE:4208	Common SUBE Corpo	14.81 Common SNikkei 225 Materials DiversifiedMaterials (	2022
TSE:4208	Common SUBE Corpo	14.81 Common SNikkei 225 Materials DiversifiedMaterials (	2023
TSE:4208	Common SUBE Corpo	14.81 Common SNikkei 225 Materials DiversifiedMaterials (	2024
TSE:9021	Common SWest Japai	20.49 Common SNikkei 225 Industrials Rail TransçIndustrials	2020
TSE:9021	Common SWest Japai	20.49 Common SNikkei 225 Industrials Rail TransçIndustrials	2021

TSE:9021	Common SWest Jap	20.49 Common SNikkei 225 Industrials Rail Transp	Industrials	2022
TSE:9021	Common SWest Jap	20.49 Common SNikkei 225 Industrials Rail Transp	Industrials	2023
TSE:9021	Common SWest Jap	20.49 Common SNikkei 225 Industrials Rail Transp	Industrials	2024
TSE:6506	Common SYASKAWA	27.26 Common SNikkei 225 Industrials Industrial	Industrials	2020
TSE:6506	Common SYASKAWA	27.26 Common SNikkei 225 Industrials Industrial	Industrials	2021
TSE:6506	Common SYASKAWA	27.26 Common SNikkei 225 Industrials Industrial	Industrials	2022
TSE:6506	Common SYASKAWA	27.26 Common SNikkei 225 Industrials Industrial	Industrials	2023
TSE:6506	Common SYASKAWA	27.26 Common SNikkei 225 Industrials Industrial	Industrials	2024
TSE:7951	Common SYamaha Cc	6.34 Common SNikkei 225 Consumer Leisure Pr	Consumer	2020
TSE:7951	Common SYamaha Cc	6.34 Common SNikkei 225 Consumer Leisure Pr	Consumer	2021
TSE:7951	Common SYamaha Cc	6.34 Common SNikkei 225 Consumer Leisure Pr	Consumer	2022
TSE:7951	Common SYamaha Cc	6.34 Common SNikkei 225 Consumer Leisure Pr	Consumer	2023
TSE:7951	Common SYamaha Cc	6.34 Common SNikkei 225 Consumer Leisure Pr	Consumer	2024
TSE:7272	Common SYamaha M	7.31 Common SNikkei 225 Consumer Motorcycl	Consumer	2020
TSE:7272	Common SYamaha M	7.31 Common SNikkei 225 Consumer Motorcycl	Consumer	2021
TSE:7272	Common SYamaha M	7.31 Common SNikkei 225 Consumer Motorcycl	Consumer	2022
TSE:7272	Common SYamaha M	7.31 Common SNikkei 225 Consumer Motorcycl	Consumer	2023
TSE:7272	Common SYamaha M	7.31 Common SNikkei 225 Consumer Motorcycl	Consumer	2024
TSE:9064	Common SYamato Hc	15.12 Common SNikkei 225 Industrials Air Freight	Industrials	2020
TSE:9064	Common SYamato Hc	15.12 Common SNikkei 225 Industrials Air Freight	Industrials	2021
TSE:9064	Common SYamato Hc	15.12 Common SNikkei 225 Industrials Air Freight	Industrials	2022
TSE:9064	Common SYamato Hc	15.12 Common SNikkei 225 Industrials Air Freight	Industrials	2023
TSE:9064	Common SYamato Hc	15.12 Common SNikkei 225 Industrials Air Freight	Industrials	2024
TSE:6841	Common SYokogawa	29.45 Common SNikkei 225 InformatioElectronic	Informatio	2020
TSE:6841	Common SYokogawa	29.45 Common SNikkei 225 InformatioElectronic	Informatio	2021
TSE:6841	Common SYokogawa	29.45 Common SNikkei 225 InformatioElectronic	Informatio	2022
TSE:6841	Common SYokogawa	29.45 Common SNikkei 225 InformatioElectronic	Informatio	2023
TSE:6841	Common SYokogawa	29.45 Common SNikkei 225 InformatioElectronic	Informatio	2024
TSE:7186	Common SYokohama	7.3 Common SNikkei 225 Financials Regional B	Financials	2020
TSE:7186	Common SYokohama	7.3 Common SNikkei 225 Financials Regional B	Financials	2021
TSE:7186	Common SYokohama	7.3 Common SNikkei 225 Financials Regional B	Financials	2022
TSE:7186	Common SYokohama	7.3 Common SNikkei 225 Financials Regional B	Financials	2023
TSE:7186	Common SYokohama	7.3 Common SNikkei 225 Financials Regional B	Financials	2024
TSE:3092	Common SZOZO, Inc.	8.54 Common SNikkei 225 Consumer Apparel Re	Consumer	2020
TSE:3092	Common SZOZO, Inc.	8.54 Common SNikkei 225 Consumer Apparel Re	Consumer	2021
TSE:3092	Common SZOZO, Inc.	8.54 Common SNikkei 225 Consumer Apparel Re	Consumer	2022
TSE:3092	Common SZOZO, Inc.	8.54 Common SNikkei 225 Consumer Apparel Re	Consumer	2023
TSE:3092	Common SZOZO, Inc.	8.54 Common SNikkei 225 Consumer Apparel Re	Consumer	2024
NYSE:MM	Common S3M Comp	164.63 Common SS&P 500 (IIndustrials Industrial	Industrials	2020
NYSE:MM	Common S3M Comp	164.63 Common SS&P 500 (IIndustrials Industrial	Industrials	2021
NYSE:MM	Common S3M Comp	164.63 Common SS&P 500 (IIndustrials Industrial	Industrials	2022
NYSE:MM	Common S3M Comp	164.63 Common SS&P 500 (IIndustrials Industrial	Industrials	2023
NYSE:MM	Common S3M Comp	164.63 Common SS&P 500 (IIndustrials Industrial	Industrials	2024

NYSE:AOS Common SA. O. Smit	65.58 Common SS&P 500 (LI	Industrials Building Pr	Industrials	2020
NYSE:AOS Common SA. O. Smit	65.58 Common SS&P 500 (LI	Industrials Building Pr	Industrials	2021
NYSE:AOS Common SA. O. Smit	65.58 Common SS&P 500 (LI	Industrials Building Pr	Industrials	2022
NYSE:AOS Common SA. O. Smit	65.58 Common SS&P 500 (LI	Industrials Building Pr	Industrials	2023
NYSE:AOS Common SA. O. Smit	65.58 Common SS&P 500 (LI	Industrials Building Pr	Industrials	2024
NYSE:AME Common SAMETEK, LI	184.19 Common SS&P 500 (LI	Industrials Electrical	Industrials	2020
NYSE:AME Common SAMETEK, LI	184.19 Common SS&P 500 (LI	Industrials Electrical	Industrials	2021
NYSE:AME Common SAMETEK, LI	184.19 Common SS&P 500 (LI	Industrials Electrical	Industrials	2022
NYSE:AME Common SAMETEK, LI	184.19 Common SS&P 500 (LI	Industrials Electrical	Industrials	2023
NYSE:AME Common SAMETEK, LI	184.19 Common SS&P 500 (LI	Industrials Electrical	Industrials	2024
NasdaqGS:Common SAPA Corpo	22.54 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr		2020
NasdaqGS:Common SAPA Corpo	22.54 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr		2021
NasdaqGS:Common SAPA Corpo	22.54 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr		2022
NasdaqGS:Common SAPA Corpo	22.54 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr		2023
NasdaqGS:Common SAPA Corpo	22.54 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr		2024
NYSE:T Common SAT&T Inc.	25.14 Common SS&P 500 (LCommunic	Integrated Communic		2020
NYSE:T Common SAT&T Inc.	25.14 Common SS&P 500 (LCommunic	Integrated Communic		2021
NYSE:T Common SAT&T Inc.	25.14 Common SS&P 500 (LCommunic	Integrated Communic		2022
NYSE:T Common SAT&T Inc.	25.14 Common SS&P 500 (LCommunic	Integrated Communic		2023
NYSE:T Common SAT&T Inc.	25.14 Common SS&P 500 (LCommunic	Integrated Communic		2024
NYSE:ABB\Common SABbVie Inc	225.14 Common SS&P 500 (LHealth Car	BiotechnolHealth Car		2020
NYSE:ABB\Common SABbVie Inc	225.14 Common SS&P 500 (LHealth Car	BiotechnolHealth Car		2021
NYSE:ABB\Common SABbVie Inc	225.14 Common SS&P 500 (LHealth Car	BiotechnolHealth Car		2022
NYSE:ABB\Common SABbVie Inc	225.14 Common SS&P 500 (LHealth Car	BiotechnolHealth Car		2023
NYSE:ABB\Common SABbVie Inc	225.14 Common SS&P 500 (LHealth Car	BiotechnolHealth Car		2024
NYSE:ABT Common SABbott Lat	124.43 Common SS&P 500 (LHealth Car	Health Car Health Car		2020
NYSE:ABT Common SABbott Lat	124.43 Common SS&P 500 (LHealth Car	Health Car Health Car		2021
NYSE:ABT Common SABbott Lat	124.43 Common SS&P 500 (LHealth Car	Health Car Health Car		2022
NYSE:ABT Common SABbott Lat	124.43 Common SS&P 500 (LHealth Car	Health Car Health Car		2023
NYSE:ABT Common SABbott Lat	124.43 Common SS&P 500 (LHealth Car	Health Car Health Car		2024
NYSE:ACN Class A Co Accenture	247.75 Common SS&P 500 (LInformatio	IT Consulti Informatio		2020
NYSE:ACN Class A Co Accenture	247.75 Common SS&P 500 (LInformatio	IT Consulti Informatio		2021
NYSE:ACN Class A Co Accenture	247.75 Common SS&P 500 (LInformatio	IT Consulti Informatio		2022
NYSE:ACN Class A Co Accenture	247.75 Common SS&P 500 (LInformatio	IT Consulti Informatio		2023
NYSE:ACN Class A Co Accenture	247.75 Common SS&P 500 (LInformatio	IT Consulti Informatio		2024
NasdaqGS:Common SAdobe Inc.	337.86 Common SS&P 500 (LInformatio	Applicatio Informatio		2020
NasdaqGS:Common SAdobe Inc.	337.86 Common SS&P 500 (LInformatio	Applicatio Informatio		2021
NasdaqGS:Common SAdobe Inc.	337.86 Common SS&P 500 (LInformatio	Applicatio Informatio		2022
NasdaqGS:Common SAdobe Inc.	337.86 Common SS&P 500 (LInformatio	Applicatio Informatio		2023
NasdaqGS:Common SAdobe Inc.	337.86 Common SS&P 500 (LInformatio	Applicatio Informatio		2024
NasdaqGS Common SAdvanced	264.33 Common SS&P 500 (LInformatio	SemiconduLInformatio		2020
NasdaqGS Common SAdvanced	264.33 Common SS&P 500 (LInformatio	SemiconduLInformatio		2021
NasdaqGS Common SAdvanced	264.33 Common SS&P 500 (LInformatio	SemiconduLInformatio		2022



NasdaqGS Common SAdvanced	264.33 Common SS&P 500 (LInformatioSemiconduInformatio	2023
NasdaqGS Common SAdvanced	264.33 Common SS&P 500 (LInformatioSemiconduInformatio	2024
NYSE:AFL Common SAflac Inco	105.7 Common SS&P 500 (LFinancials Life and HcFinancials	2020
NYSE:AFL Common SAflac Inco	105.7 Common SS&P 500 (LFinancials Life and HcFinancials	2021
NYSE:AFL Common SAflac Inco	105.7 Common SS&P 500 (LFinancials Life and HcFinancials	2022
NYSE:AFL Common SAflac Inco	105.7 Common SS&P 500 (LFinancials Life and HcFinancials	2023
NYSE:AFL Common SAflac Inco	105.7 Common SS&P 500 (LFinancials Life and HcFinancials	2024
NYSE:A Common SAgilent Tec	143.2 Common SS&P 500 (LHealth Car Life Scienc Health Car	2020
NYSE:A Common SAgilent Tec	143.2 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NYSE:A Common SAgilent Tec	143.2 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022
NYSE:A Common SAgilent Tec	143.2 Common SS&P 500 (LHealth Car Life Scienc Health Car	2023
NYSE:A Common SAgilent Tec	143.2 Common SS&P 500 (LHealth Car Life Scienc Health Car	2024
NYSE:APD Common SAir Produc	248.34 Common SS&P 500 (LMaterials Industrial Materials (	2020
NYSE:APD Common SAir Produc	248.34 Common SS&P 500 (LMaterials Industrial Materials (	2021
NYSE:APD Common SAir Produc	248.34 Common SS&P 500 (LMaterials Industrial Materials (	2022
NYSE:APD Common SAir Produc	248.34 Common SS&P 500 (LMaterials Industrial Materials (	2023
NYSE:APD Common SAir Produc	248.34 Common SS&P 500 (LMaterials Industrial Materials (	2024
NasdaqGS:Class A Co Airbnb, Inc	126.48 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2020
NasdaqGS:Class A Co Airbnb, Inc	126.48 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2021
NasdaqGS:Class A Co Airbnb, Inc	126.48 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2022
NasdaqGS:Class A Co Airbnb, Inc	126.48 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2023
NasdaqGS:Class A Co Airbnb, Inc	126.48 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2024
NasdaqGS Common SAKamai Te	73.01 Common SS&P 500 (LInformatioInternet SeInformatio	2020
NasdaqGS Common SAKamai Te	73.01 Common SS&P 500 (LInformatioInternet SeInformatio	2021
NasdaqGS Common SAKamai Te	73.01 Common SS&P 500 (LInformatioInternet SeInformatio	2022
NasdaqGS Common SAKamai Te	73.01 Common SS&P 500 (LInformatioInternet SeInformatio	2023
NasdaqGS Common SAKamai Te	73.01 Common SS&P 500 (LInformatioInternet SeInformatio	2024
NYSE:ALB Common SALbemarle	97.8 Common SS&P 500 (LMaterials Specialty CMaterials (	2020
NYSE:ALB Common SALbemarle	97.8 Common SS&P 500 (LMaterials Specialty CMaterials (	2021
NYSE:ALB Common SALbemarle	97.8 Common SS&P 500 (LMaterials Specialty CMaterials (	2022
NYSE:ALB Common SALbemarle	97.8 Common SS&P 500 (LMaterials Specialty CMaterials (	2023
NYSE:ALB Common SALbemarle	97.8 Common SS&P 500 (LMaterials Specialty CMaterials (	2024
NYSE:ARE Common SAlexandria	58.76 Common SS&P 500 (LReal EstateHealth Car Real Estate	2020
NYSE:ARE Common SAlexandria	58.76 Common SS&P 500 (LReal EstateHealth Car Real Estate	2021
NYSE:ARE Common SAlexandria	58.76 Common SS&P 500 (LReal EstateHealth Car Real Estate	2022
NYSE:ARE Common SAlexandria	58.76 Common SS&P 500 (LReal EstateHealth Car Real Estate	2023
NYSE:ARE Common SAlexandria	58.76 Common SS&P 500 (LReal EstateHealth Car Real Estate	2024
NasdaqGS:Common SAlign Tech	131.91 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NasdaqGS:Common SAlign Tech	131.91 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NasdaqGS:Common SAlign Tech	131.91 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NasdaqGS:Common SAlign Tech	131.91 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NasdaqGS:Common SAlign Tech	131.91 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:ALLE Ordinary SAllegion pl	165.59 Common SS&P 500 (LIndustrials Building PrIndustrials	2020

NYSE:ALLE Ordinary S Allegion pl	165.59 Common SS&P 500 (L	Industrials Building Pr	Industrials	2021
NYSE:ALLE Ordinary S Allegion pl	165.59 Common SS&P 500 (L	Industrials Building Pr	Industrials	2022
NYSE:ALLE Ordinary S Allegion pl	165.59 Common SS&P 500 (L	Industrials Building Pr	Industrials	2023
NYSE:ALLE Ordinary S Allegion pl	165.59 Common SS&P 500 (L	Industrials Building Pr	Industrials	2024
NasdaqGS:Common S Alliant Ene	67.79 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2020
NasdaqGS:Common S Alliant Ene	67.79 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2021
NasdaqGS:Common S Alliant Ene	67.79 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2022
NasdaqGS:Common S Alliant Ene	67.79 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2023
NasdaqGS:Common S Alliant Ene	67.79 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2024
NasdaqGS Class C Caç Alphabet li	275.17 Common SS&P 500 (L	CommunicInteractive	Communic	2020
NasdaqGS Class A Co Alphabet li	274.57 Common SS&P 500 (L	CommunicInteractive	Communic	2020
NasdaqGS Class C Caç Alphabet li	275.17 Common SS&P 500 (L	CommunicInteractive	Communic	2021
NasdaqGS Class A Co Alphabet li	274.57 Common SS&P 500 (L	CommunicInteractive	Communic	2021
NasdaqGS Class C Caç Alphabet li	275.17 Common SS&P 500 (L	CommunicInteractive	Communic	2022
NasdaqGS Class A Co Alphabet li	274.57 Common SS&P 500 (L	CommunicInteractive	Communic	2022
NasdaqGS Class C Caç Alphabet li	275.17 Common SS&P 500 (L	CommunicInteractive	Communic	2023
NasdaqGS Class A Co Alphabet li	274.57 Common SS&P 500 (L	CommunicInteractive	Communic	2023
NasdaqGS Class C Caç Alphabet li	275.17 Common SS&P 500 (L	CommunicInteractive	Communic	2024
NasdaqGS Class A Co Alphabet li	274.57 Common SS&P 500 (L	CommunicInteractive	Communic	2024
NYSE:MO Common S Altria Grou	61.97 Common SS&P 500 (L	Consumer Tobacco	Consumer	2020
NYSE:MO Common S Altria Grou	61.97 Common SS&P 500 (L	Consumer Tobacco	Consumer	2021
NYSE:MO Common S Altria Grou	61.97 Common SS&P 500 (L	Consumer Tobacco	Consumer	2022
NYSE:MO Common S Altria Grou	61.97 Common SS&P 500 (L	Consumer Tobacco	Consumer	2023
NYSE:MO Common S Altria Grou	61.97 Common SS&P 500 (L	Consumer Tobacco	Consumer	2024
NasdaqGS Common S Amazon.cc	230.3 Common SS&P 500 (L	Consumer Broadline I	Consumer	2020
NasdaqGS Common S Amazon.cc	230.3 Common SS&P 500 (L	Consumer Broadline I	Consumer	2021
NasdaqGS Common S Amazon.cc	230.3 Common SS&P 500 (L	Consumer Broadline I	Consumer	2022
NasdaqGS Common S Amazon.cc	230.3 Common SS&P 500 (L	Consumer Broadline I	Consumer	2023
NasdaqGS Common S Amazon.cc	230.3 Common SS&P 500 (L	Consumer Broadline I	Consumer	2024
NYSE:AMC Ordinary S Amcor plc	8 Common SS&P 500 (L	Materials Paper and	Materials (	2020
NYSE:AMC Ordinary S Amcor plc	8 Common SS&P 500 (L	Materials Paper and	Materials (	2021
NYSE:AMC Ordinary S Amcor plc	8 Common SS&P 500 (L	Materials Paper and	Materials (	2022
NYSE:AMC Ordinary S Amcor plc	8 Common SS&P 500 (L	Materials Paper and	Materials (	2023
NYSE:AMC Ordinary S Amcor plc	8 Common SS&P 500 (L	Materials Paper and	Materials (	2024
NYSE:AEE Common S Ameren Cc	102.28 Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2020
NYSE:AEE Common S Ameren Cc	102.28 Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2021
NYSE:AEE Common S Ameren Cc	102.28 Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2022
NYSE:AEE Common S Ameren Cc	102.28 Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2023
NYSE:AEE Common S Ameren Cc	102.28 Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2024
NasdaqGS:Common S American I	122.11 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2020
NasdaqGS:Common S American I	122.11 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2021
NasdaqGS:Common S American I	122.11 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2022
NasdaqGS:Common S American I	122.11 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P	2023

NasdaqGS:Common S	American I	122.11	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2024
NYSE:AXP	Common S	American	358.22	Common SS&P 500 (L	Financials	Consumer Financials	2020
NYSE:AXP	Common S	American	358.22	Common SS&P 500 (L	Financials	Consumer Financials	2021
NYSE:AXP	Common S	American	358.22	Common SS&P 500 (L	Financials	Consumer Financials	2022
NYSE:AXP	Common S	American	358.22	Common SS&P 500 (L	Financials	Consumer Financials	2023
NYSE:AXP	Common S	American	358.22	Common SS&P 500 (L	Financials	Consumer Financials	2024
NYSE:AIG	Common S	American I	77.98	Common SS&P 500 (L	Financials	Property a Financials	2020
NYSE:AIG	Common S	American I	77.98	Common SS&P 500 (L	Financials	Property a Financials	2021
NYSE:AIG	Common S	American I	77.98	Common SS&P 500 (L	Financials	Property a Financials	2022
NYSE:AIG	Common S	American I	77.98	Common SS&P 500 (L	Financials	Property a Financials	2023
NYSE:AIG	Common S	American I	77.98	Common SS&P 500 (L	Financials	Property a Financials	2024
NYSE:AMT	New Comr	American T	179.08	Common SS&P 500 (L	Real Estate	Telecom T	Real Estate
NYSE:AMT	New Comr	American T	179.08	Common SS&P 500 (L	Real Estate	Telecom T	Real Estate
NYSE:AMT	New Comr	American T	179.08	Common SS&P 500 (L	Real Estate	Telecom T	Real Estate
NYSE:AMT	New Comr	American T	179.08	Common SS&P 500 (L	Real Estate	Telecom T	Real Estate
NYSE:AMT	New Comr	American T	179.08	Common SS&P 500 (L	Real Estate	Telecom T	Real Estate
NYSE:AWK	Common S	American \	130.06	Common SS&P 500 (L	Utilities	Water Util	Utilities (P
NYSE:AWK	Common S	American \	130.06	Common SS&P 500 (L	Utilities	Water Util	Utilities (P
NYSE:AWK	Common S	American \	130.06	Common SS&P 500 (L	Utilities	Water Util	Utilities (P
NYSE:AWK	Common S	American \	130.06	Common SS&P 500 (L	Utilities	Water Util	Utilities (P
NYSE:AWK	Common S	American \	130.06	Common SS&P 500 (L	Utilities	Water Util	Utilities (P
NYSE:AMP	Common S	Ameriprise	478.54	Common SS&P 500 (L	Financials	Asset Man	Financials
NYSE:AMP	Common S	Ameriprise	478.54	Common SS&P 500 (L	Financials	Asset Man	Financials
NYSE:AMP	Common S	Ameriprise	478.54	Common SS&P 500 (L	Financials	Asset Man	Financials
NYSE:AMP	Common S	Ameriprise	478.54	Common SS&P 500 (L	Financials	Asset Man	Financials
NYSE:AMP	Common S	Ameriprise	478.54	Common SS&P 500 (L	Financials	Asset Man	Financials
NasdaqGS	Common S	Amgen Inc	291.77	Common SS&P 500 (L	Health Car	Biotechnol	Health Car
NasdaqGS	Common S	Amgen Inc	291.77	Common SS&P 500 (L	Health Car	Biotechnol	Health Car
NasdaqGS	Common S	Amgen Inc	291.77	Common SS&P 500 (L	Health Car	Biotechnol	Health Car
NasdaqGS	Common S	Amgen Inc	291.77	Common SS&P 500 (L	Health Car	Biotechnol	Health Car
NasdaqGS	Common S	Amgen Inc	291.77	Common SS&P 500 (L	Health Car	Biotechnol	Health Car
NYSE:APH	Class A Co	Amphenol	139.75	Common SS&P 500 (L	Informatio	Electronic	Informatio
NYSE:APH	Class A Co	Amphenol	139.75	Common SS&P 500 (L	Informatio	Electronic	Informatio
NYSE:APH	Class A Co	Amphenol	139.75	Common SS&P 500 (L	Informatio	Electronic	Informatio
NYSE:APH	Class A Co	Amphenol	139.75	Common SS&P 500 (L	Informatio	Electronic	Informatio
NYSE:APH	Class A Co	Amphenol	139.75	Common SS&P 500 (L	Informatio	Electronic	Informatio
NasdaqGS	Common S	Analog De	235.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio
NasdaqGS	Common S	Analog De	235.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio
NasdaqGS	Common S	Analog De	235.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio
NasdaqGS	Common S	Analog De	235.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio
NasdaqGS	Common S	Analog De	235.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio
NYSE:AON	Class A Or	Aon plc	326.07	Common SS&P 500 (L	Financials	Insurance	Financials
NYSE:AON	Class A Or	Aon plc	326.07	Common SS&P 500 (L	Financials	Insurance	Financials

NYSE:AON Class A Or	Aon plc	326.07	Common	SS&P 500 (L	Financials	Insurance	Financials	2022
NYSE:AON Class A Or	Aon plc	326.07	Common	SS&P 500 (L	Financials	Insurance	Financials	2023
NYSE:AON Class A Or	Aon plc	326.07	Common	SS&P 500 (L	Financials	Insurance	Financials	2024
NYSE:APO Common S	Apollo Glo	124.88	Common	SS&P 500 (L	Financials	Diversified	Financials	2020
NYSE:APO Common S	Apollo Glo	124.88	Common	SS&P 500 (L	Financials	Diversified	Financials	2021
NYSE:APO Common S	Apollo Glo	124.88	Common	SS&P 500 (L	Financials	Diversified	Financials	2022
NYSE:APO Common S	Apollo Glo	124.88	Common	SS&P 500 (L	Financials	Diversified	Financials	2023
NYSE:APO Common S	Apollo Glo	124.88	Common	SS&P 500 (L	Financials	Diversified	Financials	2024
NasdaqGS:Common	AppLovin C	631.2	Common	SS&P 500 (L	Information	Application	Information	2020
NasdaqGS:Common	AppLovin C	631.2	Common	SS&P 500 (L	Information	Application	Information	2021
NasdaqGS:Common	AppLovin C	631.2	Common	SS&P 500 (L	Information	Application	Information	2022
NasdaqGS:Common	AppLovin C	631.2	Common	SS&P 500 (L	Information	Application	Information	2023
NasdaqGS:Common	AppLovin C	631.2	Common	SS&P 500 (L	Information	Application	Information	2024
NasdaqGS:Common	Apple Inc.	269.7	Common	SS&P 500 (L	Information	Technology	Information	2020
NasdaqGS:Common	Apple Inc.	269.7	Common	SS&P 500 (L	Information	Technology	Information	2021
NasdaqGS:Common	Apple Inc.	269.7	Common	SS&P 500 (L	Information	Technology	Information	2022
NasdaqGS:Common	Apple Inc.	269.7	Common	SS&P 500 (L	Information	Technology	Information	2023
NasdaqGS:Common	Apple Inc.	269.7	Common	SS&P 500 (L	Information	Technology	Information	2024
NasdaqGS Common	Applied M	235.75	Common	SS&P 500 (L	Information	Semiconductor	Information	2020
NasdaqGS Common	Applied M	235.75	Common	SS&P 500 (L	Information	Semiconductor	Information	2021
NasdaqGS Common	Applied M	235.75	Common	SS&P 500 (L	Information	Semiconductor	Information	2022
NasdaqGS Common	Applied M	235.75	Common	SS&P 500 (L	Information	Semiconductor	Information	2023
NasdaqGS Common	Applied M	235.75	Common	SS&P 500 (L	Information	Semiconductor	Information	2024
NYSE:APTVOrdinary	s Aptiv PLC	85.77	Common	SS&P 500 (L	Consumer	Automotive	Consumer	2020
NYSE:APTVOrdinary	s Aptiv PLC	85.77	Common	SS&P 500 (L	Consumer	Automotive	Consumer	2021
NYSE:APTVOrdinary	s Aptiv PLC	85.77	Common	SS&P 500 (L	Consumer	Automotive	Consumer	2022
NYSE:APTVOrdinary	s Aptiv PLC	85.77	Common	SS&P 500 (L	Consumer	Automotive	Consumer	2023
NYSE:APTVOrdinary	s Aptiv PLC	85.77	Common	SS&P 500 (L	Consumer	Automotive	Consumer	2024
NasdaqGS:Common	SArch Capit	85.85	Common	SS&P 500 (L	Financials	Property a	Financials	2020
NasdaqGS:Common	SArch Capit	85.85	Common	SS&P 500 (L	Financials	Property a	Financials	2021
NasdaqGS:Common	SArch Capit	85.85	Common	SS&P 500 (L	Financials	Property a	Financials	2022
NasdaqGS:Common	SArch Capit	85.85	Common	SS&P 500 (L	Financials	Property a	Financials	2023
NasdaqGS:Common	SArch Capit	85.85	Common	SS&P 500 (L	Financials	Property a	Financials	2024
NYSE:ADMCommon	SArcher-Dai	60.52	Common	SS&P 500 (L	Consumer	Agriculture	Consumer	2020
NYSE:ADMCommon	SArcher-Dai	60.52	Common	SS&P 500 (L	Consumer	Agriculture	Consumer	2021
NYSE:ADMCommon	SArcher-Dai	60.52	Common	SS&P 500 (L	Consumer	Agriculture	Consumer	2022
NYSE:ADMCommon	SArcher-Dai	60.52	Common	SS&P 500 (L	Consumer	Agriculture	Consumer	2023
NYSE:ADMCommon	SArcher-Dai	60.52	Common	SS&P 500 (L	Consumer	Agriculture	Consumer	2024
NYSE:ANETCommon	s Arista Net	162.03	Common	SS&P 500 (L	Information	Communication	Information	2020
NYSE:ANETCommon	s Arista Net	162.03	Common	SS&P 500 (L	Information	Communication	Information	2021
NYSE:ANETCommon	s Arista Net	162.03	Common	SS&P 500 (L	Information	Communication	Information	2022
NYSE:ANETCommon	s Arista Net	162.03	Common	SS&P 500 (L	Information	Communication	Information	2023
NYSE:ANETCommon	s Arista Net	162.03	Common	SS&P 500 (L	Information	Communication	Information	2024

NYSE:AJG Common S	Arthur J. G	262.02 Common SS&P 500 (L	Financials Insurance Financials	2020
NYSE:AJG Common S	Arthur J. G	262.02 Common SS&P 500 (L	Financials Insurance Financials	2021
NYSE:AJG Common S	Arthur J. G	262.02 Common SS&P 500 (L	Financials Insurance Financials	2022
NYSE:AJG Common S	Arthur J. G	262.02 Common SS&P 500 (L	Financials Insurance Financials	2023
NYSE:AJG Common S	Arthur J. G	262.02 Common SS&P 500 (L	Financials Insurance Financials	2024
NYSE:AIZ Common S	Assurant, I	208.11 Common SS&P 500 (L	Financials Property a Financials	2020
NYSE:AIZ Common S	Assurant, I	208.11 Common SS&P 500 (L	Financials Property a Financials	2021
NYSE:AIZ Common S	Assurant, I	208.11 Common SS&P 500 (L	Financials Property a Financials	2022
NYSE:AIZ Common S	Assurant, I	208.11 Common SS&P 500 (L	Financials Property a Financials	2023
NYSE:AIZ Common S	Assurant, I	208.11 Common SS&P 500 (L	Financials Property a Financials	2024
NYSE:ATO Common S	Atmos Ene	171.66 Common SS&P 500 (L	Utilities Gas UtilitieUtilities (P	2020
NYSE:ATO Common S	Atmos Ene	171.66 Common SS&P 500 (L	Utilities Gas UtilitieUtilities (P	2021
NYSE:ATO Common S	Atmos Ene	171.66 Common SS&P 500 (L	Utilities Gas UtilitieUtilities (P	2022
NYSE:ATO Common S	Atmos Ene	171.66 Common SS&P 500 (L	Utilities Gas UtilitieUtilities (P	2023
NYSE:ATO Common S	Atmos Ene	171.66 Common SS&P 500 (L	Utilities Gas UtilitieUtilities (P	2024
NYSE:AZO Common S	AutoZone,	3709.12 Common SS&P 500 (L	Consumer AutomotivConsumer	2020
NYSE:AZO Common S	AutoZone,	3709.12 Common SS&P 500 (L	Consumer AutomotivConsumer	2021
NYSE:AZO Common S	AutoZone,	3709.12 Common SS&P 500 (L	Consumer AutomotivConsumer	2022
NYSE:AZO Common S	AutoZone,	3709.12 Common SS&P 500 (L	Consumer AutomotivConsumer	2023
NYSE:AZO Common S	AutoZone,	3709.12 Common SS&P 500 (L	Consumer AutomotivConsumer	2024
NasdaqGS:Common S	Autodesk,	297.08 Common SS&P 500 (L	InformatioApplicatio Informatio	2020
NasdaqGS:Common S	Autodesk,	297.08 Common SS&P 500 (L	InformatioApplicatio Informatio	2021
NasdaqGS:Common S	Autodesk,	297.08 Common SS&P 500 (L	InformatioApplicatio Informatio	2022
NasdaqGS:Common S	Autodesk,	297.08 Common SS&P 500 (L	InformatioApplicatio Informatio	2023
NasdaqGS:Common S	Autodesk,	297.08 Common SS&P 500 (L	InformatioApplicatio Informatio	2024
NasdaqGS:Common S	Automatic	261.22 Common SS&P 500 (L	Industrials Human Re:Industrials	2020
NasdaqGS:Common S	Automatic	261.22 Common SS&P 500 (L	Industrials Human Re:Industrials	2021
NasdaqGS:Common S	Automatic	261.22 Common SS&P 500 (L	Industrials Human Re:Industrials	2022
NasdaqGS:Common S	Automatic	261.22 Common SS&P 500 (L	Industrials Human Re:Industrials	2023
NasdaqGS:Common S	Automatic	261.22 Common SS&P 500 (L	Industrials Human Re:Industrials	2024
NYSE:AVB Common S	AvalonBay	176.29 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2020
NYSE:AVB Common S	AvalonBay	176.29 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2021
NYSE:AVB Common S	AvalonBay	176.29 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2022
NYSE:AVB Common S	AvalonBay	176.29 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2023
NYSE:AVB Common S	AvalonBay	176.29 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2024
NYSE:AVY Common S	Avery Deni	176.2 Common SS&P 500 (L	Materials Paper and Materials (	2020
NYSE:AVY Common S	Avery Deni	176.2 Common SS&P 500 (L	Materials Paper and Materials (	2021
NYSE:AVY Common S	Avery Deni	176.2 Common SS&P 500 (L	Materials Paper and Materials (	2022
NYSE:AVY Common S	Avery Deni	176.2 Common SS&P 500 (L	Materials Paper and Materials (	2023
NYSE:AVY Common S	Avery Deni	176.2 Common SS&P 500 (L	Materials Paper and Materials (	2024
NasdaqGS:Common S	Xon Enter	759.44 Common SS&P 500 (L	Industrials Aerospace Industrials	2020
NasdaqGS:Common S	Xon Enter	759.44 Common SS&P 500 (L	Industrials Aerospace Industrials	2021
NasdaqGS:Common S	Xon Enter	759.44 Common SS&P 500 (L	Industrials Aerospace Industrials	2022

NasdaqGS:Common S	Axon Enter	759.44	Common SS&P 500 (I	Industrials Aerospace	Industrials	2023
NasdaqGS:Common S	Axon Enter	759.44	Common SS&P 500 (I	Industrials Aerospace	Industrials	2024
NYSE:BBX	Common SBXP, Inc.	70.36	Common SS&P 500 (I	Real EstateOffice REIT	Real Estate	2020
NYSE:BBX	Common SBXP, Inc.	70.36	Common SS&P 500 (I	Real EstateOffice REIT	Real Estate	2021
NYSE:BBX	Common SBXP, Inc.	70.36	Common SS&P 500 (I	Real EstateOffice REIT	Real Estate	2022
NYSE:BBX	Common SBXP, Inc.	70.36	Common SS&P 500 (I	Real EstateOffice REIT	Real Estate	2023
NYSE:BBX	Common SBXP, Inc.	70.36	Common SS&P 500 (I	Real EstateOffice REIT	Real Estate	2024
NasdaqGS:Class A Co	Baker Hug	48.32	Common SS&P 500 (I	Energy Oil and Ga	Energy (Pr	2020
NasdaqGS:Class A Co	Baker Hug	48.32	Common SS&P 500 (I	Energy Oil and Ga	Energy (Pr	2021
NasdaqGS:Class A Co	Baker Hug	48.32	Common SS&P 500 (I	Energy Oil and Ga	Energy (Pr	2022
NasdaqGS:Class A Co	Baker Hug	48.32	Common SS&P 500 (I	Energy Oil and Ga	Energy (Pr	2023
NasdaqGS:Class A Co	Baker Hug	48.32	Common SS&P 500 (I	Energy Oil and Ga	Energy (Pr	2024
NYSE:BALL	Common SBall Corpor	47.78	Common SS&P 500 (I	Materials Metal, Gla	Materials (	2020
NYSE:BALL	Common SBall Corpor	47.78	Common SS&P 500 (I	Materials Metal, Gla	Materials (	2021
NYSE:BALL	Common SBall Corpor	47.78	Common SS&P 500 (I	Materials Metal, Gla	Materials (	2022
NYSE:BALL	Common SBall Corpor	47.78	Common SS&P 500 (I	Materials Metal, Gla	Materials (	2023
NYSE:BALL	Common SBall Corpor	47.78	Common SS&P 500 (I	Materials Metal, Gla	Materials (	2024
NYSE:BAC	Common SBank of An	52.58	Common SS&P 500 (I	Financials Diversified	Financials	2020
NYSE:BAC	Common SBank of An	52.58	Common SS&P 500 (I	Financials Diversified	Financials	2021
NYSE:BAC	Common SBank of An	52.58	Common SS&P 500 (I	Financials Diversified	Financials	2022
NYSE:BAC	Common SBank of An	52.58	Common SS&P 500 (I	Financials Diversified	Financials	2023
NYSE:BAC	Common SBank of An	52.58	Common SS&P 500 (I	Financials Diversified	Financials	2024
NYSE:BAX	Common SBaxter Inte	22.42	Common SS&P 500 (I	Health Car Health Car	Health Car	2020
NYSE:BAX	Common SBaxter Inte	22.42	Common SS&P 500 (I	Health Car Health Car	Health Car	2021
NYSE:BAX	Common SBaxter Inte	22.42	Common SS&P 500 (I	Health Car Health Car	Health Car	2022
NYSE:BAX	Common SBaxter Inte	22.42	Common SS&P 500 (I	Health Car Health Car	Health Car	2023
NYSE:BAX	Common SBaxter Inte	22.42	Common SS&P 500 (I	Health Car Health Car	Health Car	2024
NYSE:BDX	Common SBecton, Di	181.52	Common SS&P 500 (I	Health Car Health Car	Health Car	2020
NYSE:BDX	Common SBecton, Di	181.52	Common SS&P 500 (I	Health Car Health Car	Health Car	2021
NYSE:BDX	Common SBecton, Di	181.52	Common SS&P 500 (I	Health Car Health Car	Health Car	2022
NYSE:BDX	Common SBecton, Di	181.52	Common SS&P 500 (I	Health Car Health Car	Health Car	2023
NYSE:BDX	Common SBecton, Di	181.52	Common SS&P 500 (I	Health Car Health Car	Health Car	2024
NYSE:BRK. Class B Co	Berkshire	475.76	Common SS&P 500 (I	Financials Multi-Sect	Financials	2020
NYSE:BRK. Class B Co	Berkshire	475.76	Common SS&P 500 (I	Financials Multi-Sect	Financials	2021
NYSE:BRK. Class B Co	Berkshire	475.76	Common SS&P 500 (I	Financials Multi-Sect	Financials	2022
NYSE:BRK. Class B Co	Berkshire	475.76	Common SS&P 500 (I	Financials Multi-Sect	Financials	2023
NYSE:BRK. Class B Co	Berkshire	475.76	Common SS&P 500 (I	Financials Multi-Sect	Financials	2024
NYSE:BBY	Common SBest Buy C	84	Common SS&P 500 (I	Consumer Computer	Consumer	2020
NYSE:BBY	Common SBest Buy C	84	Common SS&P 500 (I	Consumer Computer	Consumer	2021
NYSE:BBY	Common SBest Buy C	84	Common SS&P 500 (I	Consumer Computer	Consumer	2022
NYSE:BBY	Common SBest Buy C	84	Common SS&P 500 (I	Consumer Computer	Consumer	2023
NYSE:BBY	Common SBest Buy C	84	Common SS&P 500 (I	Consumer Computer	Consumer	2024
NasdaqGS:Common S	Bio-Techne	62.02	Common SS&P 500 (I	Health Car Life Scienc	Health Car	2020

NasdaqGS:Common SBio-Techne	62.02 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NasdaqGS:Common SBio-Techne	62.02 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022
NasdaqGS:Common SBio-Techne	62.02 Common SS&P 500 (LHealth Car Life Scienc Health Car	2023
NasdaqGS:Common SBio-Techne	62.02 Common SS&P 500 (LHealth Car Life Scienc Health Car	2024
NasdaqGS:Common SBiogen Inc	147.86 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2020
NasdaqGS:Common SBiogen Inc	147.86 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2021
NasdaqGS:Common SBiogen Inc	147.86 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2022
NasdaqGS:Common SBiogen Inc	147.86 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2023
NasdaqGS:Common SBiogen Inc	147.86 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2024
NYSE:BLK Common SBlackRock,	1098 Common SS&P 500 (LFinancials Asset ManFinancials	2020
NYSE:BLK Common SBlackRock,	1098 Common SS&P 500 (LFinancials Asset ManFinancials	2021
NYSE:BLK Common SBlackRock,	1098 Common SS&P 500 (LFinancials Asset ManFinancials	2022
NYSE:BLK Common SBlackRock,	1098 Common SS&P 500 (LFinancials Asset ManFinancials	2023
NYSE:BLK Common SBlackRock,	1098 Common SS&P 500 (LFinancials Asset ManFinancials	2024
NYSE:BX Common SBlackstone	148.92 Common SS&P 500 (LFinancials Asset ManFinancials	2020
NYSE:BX Common SBlackstone	148.92 Common SS&P 500 (LFinancials Asset ManFinancials	2021
NYSE:BX Common SBlackstone	148.92 Common SS&P 500 (LFinancials Asset ManFinancials	2022
NYSE:BX Common SBlackstone	148.92 Common SS&P 500 (LFinancials Asset ManFinancials	2023
NYSE:BX Common SBlackstone	148.92 Common SS&P 500 (LFinancials Asset ManFinancials	2024
NYSE:XYZ Class A Co Block, Inc.	76.51 Common SS&P 500 (LFinancials Transactio Financials	2020
NYSE:XYZ Class A Co Block, Inc.	76.51 Common SS&P 500 (LFinancials Transactio Financials	2021
NYSE:XYZ Class A Co Block, Inc.	76.51 Common SS&P 500 (LFinancials Transactio Financials	2022
NYSE:XYZ Class A Co Block, Inc.	76.51 Common SS&P 500 (LFinancials Transactio Financials	2023
NYSE:XYZ Class A Co Block, Inc.	76.51 Common SS&P 500 (LFinancials Transactio Financials	2024
NasdaqGS:Common SBooking H	5075.86 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2020
NasdaqGS:Common SBooking H	5075.86 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2021
NasdaqGS:Common SBooking H	5075.86 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2022
NasdaqGS:Common SBooking H	5075.86 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2023
NasdaqGS:Common SBooking H	5075.86 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2024
NYSE:BSX Common SBoston Sci	100.3 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NYSE:BSX Common SBoston Sci	100.3 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NYSE:BSX Common SBoston Sci	100.3 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NYSE:BSX Common SBoston Sci	100.3 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NYSE:BSX Common SBoston Sci	100.3 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:BMV Common SBristol-My	42.6 Common SS&P 500 (LHealth Car PharmaceiHealth Car	2020
NYSE:BMV Common SBristol-My	42.6 Common SS&P 500 (LHealth Car PharmaceiHealth Car	2021
NYSE:BMV Common SBristol-My	42.6 Common SS&P 500 (LHealth Car PharmaceiHealth Car	2022
NYSE:BMV Common SBristol-My	42.6 Common SS&P 500 (LHealth Car PharmaceiHealth Car	2023
NYSE:BMV Common SBristol-My	42.6 Common SS&P 500 (LHealth Car PharmaceiHealth Car	2024
NasdaqGS Common SBroadcom	385.98 Common SS&P 500 (LInformatioSemiconduInformatio	2020
NasdaqGS Common SBroadcom	385.98 Common SS&P 500 (LInformatioSemiconduInformatio	2021
NasdaqGS Common SBroadcom	385.98 Common SS&P 500 (LInformatioSemiconduInformatio	2022
NasdaqGS Common SBroadcom	385.98 Common SS&P 500 (LInformatioSemiconduInformatio	2023

NasdaqGS Common SBroadcom	385.98 Common SS&P 500 (LInformatioSemiconduInformatio	2024
NYSE:BR Common SBroadridge	219.88 Common SS&P 500 (LIndustrials Data ProceIndustrials	2020
NYSE:BR Common SBroadridge	219.88 Common SS&P 500 (LIndustrials Data ProceIndustrials	2021
NYSE:BR Common SBroadridge	219.88 Common SS&P 500 (LIndustrials Data ProceIndustrials	2022
NYSE:BR Common SBroadridge	219.88 Common SS&P 500 (LIndustrials Data ProceIndustrials	2023
NYSE:BR Common SBroadridge	219.88 Common SS&P 500 (LIndustrials Data ProceIndustrials	2024
NYSE:BRO Common SBrown & B	80.3 Common SS&P 500 (LFinancials Insurance Financials	2020
NYSE:BRO Common SBrown & B	80.3 Common SS&P 500 (LFinancials Insurance Financials	2021
NYSE:BRO Common SBrown & B	80.3 Common SS&P 500 (LFinancials Insurance Financials	2022
NYSE:BRO Common SBrown & B	80.3 Common SS&P 500 (LFinancials Insurance Financials	2023
NYSE:BRO Common SBrown & B	80.3 Common SS&P 500 (LFinancials Insurance Financials	2024
NYSE:BF.B Class B Co Brown-For	26.79 Common SS&P 500 (LConsumer Distillers Consumer	2020
NYSE:BF.B Class B Co Brown-For	26.79 Common SS&P 500 (LConsumer Distillers Consumer	2021
NYSE:BF.B Class B Co Brown-For	26.79 Common SS&P 500 (LConsumer Distillers Consumer	2022
NYSE:BF.B Class B Co Brown-For	26.79 Common SS&P 500 (LConsumer Distillers Consumer	2023
NYSE:BF.B Class B Co Brown-For	26.79 Common SS&P 500 (LConsumer Distillers Consumer	2024
NYSE:BLDFCommon SBuilders Fi	115.29 Common SS&P 500 (LIndustrials Building PrIndustrials	2020
NYSE:BLDFCommon SBuilders Fi	115.29 Common SS&P 500 (LIndustrials Building PrIndustrials	2021
NYSE:BLDFCommon SBuilders Fi	115.29 Common SS&P 500 (LIndustrials Building PrIndustrials	2022
NYSE:BLDFCommon SBuilders Fi	115.29 Common SS&P 500 (LIndustrials Building PrIndustrials	2023
NYSE:BLDFCommon SBuilders Fi	115.29 Common SS&P 500 (LIndustrials Building PrIndustrials	2024
NYSE:BG RegisteredBunge Glo	96.1 Common SS&P 500 (LConsumer AgriculturConsumer	2020
NYSE:BG RegisteredBunge Glo	96.1 Common SS&P 500 (LConsumer AgriculturConsumer	2021
NYSE:BG RegisteredBunge Glo	96.1 Common SS&P 500 (LConsumer AgriculturConsumer	2022
NYSE:BG RegisteredBunge Glo	96.1 Common SS&P 500 (LConsumer AgriculturConsumer	2023
NYSE:BG RegisteredBunge Glo	96.1 Common SS&P 500 (LConsumer AgriculturConsumer	2024
NasdaqGS Common SC.H. Robin	129.38 Common SS&P 500 (LIndustrials Air Freight Industrials	2020
NasdaqGS Common SC.H. Robin	129.38 Common SS&P 500 (LIndustrials Air Freight Industrials	2021
NasdaqGS Common SC.H. Robin	129.38 Common SS&P 500 (LIndustrials Air Freight Industrials	2022
NasdaqGS Common SC.H. Robin	129.38 Common SS&P 500 (LIndustrials Air Freight Industrials	2023
NasdaqGS Common SC.H. Robin	129.38 Common SS&P 500 (LIndustrials Air Freight Industrials	2024
NYSE:CBREClass A Co CBRE Grou	152.71 Common SS&P 500 (LReal EstateReal EstateReal Estate	2020
NYSE:CBREClass A Co CBRE Grou	152.71 Common SS&P 500 (LReal EstateReal EstateReal Estate	2021
NYSE:CBREClass A Co CBRE Grou	152.71 Common SS&P 500 (LReal EstateReal EstateReal Estate	2022
NYSE:CBREClass A Co CBRE Grou	152.71 Common SS&P 500 (LReal EstateReal EstateReal Estate	2023
NYSE:CBREClass A Co CBRE Grou	152.71 Common SS&P 500 (LReal EstateReal EstateReal Estate	2024
NasdaqGS Common SCDW Corp	157.32 Common SS&P 500 (LInformatioTechnologInformatio	2020
NasdaqGS Common SCDW Corp	157.32 Common SS&P 500 (LInformatioTechnologInformatio	2021
NasdaqGS Common SCDW Corp	157.32 Common SS&P 500 (LInformatioTechnologInformatio	2022
NasdaqGS Common SCDW Corp	157.32 Common SS&P 500 (LInformatioTechnologInformatio	2023
NasdaqGS Common SCDW Corp	157.32 Common SS&P 500 (LInformatioTechnologInformatio	2024
NYSE:CF Common SCF Industri	84.15 Common SS&P 500 (LMaterials Fertilizers Materials (	2020
NYSE:CF Common SCF Industri	84.15 Common SS&P 500 (LMaterials Fertilizers Materials (	2021



NYSE:CF	Common SCF Industri	84.15	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2022
NYSE:CF	Common SCF Industri	84.15	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2023
NYSE:CF	Common SCF Industri	84.15	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2024
NasdaqGS:Class A Co CME Grou		261.53	Common SS&P 500 (L	Financials	Financial	Financials	2020
NasdaqGS:Class A Co CME Grou		261.53	Common SS&P 500 (L	Financials	Financial	Financials	2021
NasdaqGS:Class A Co CME Grou		261.53	Common SS&P 500 (L	Financials	Financial	Financials	2022
NasdaqGS:Class A Co CME Grou		261.53	Common SS&P 500 (L	Financials	Financial	Financials	2023
NasdaqGS:Class A Co CME Grou		261.53	Common SS&P 500 (L	Financials	Financial	Financials	2024
NYSE:CMS Common SCMS Energ		72.29	Common SS&P 500 (L	Utilities	Multi-Utilit	Utilities (P	2020
NYSE:CMS Common SCMS Energ		72.29	Common SS&P 500 (L	Utilities	Multi-Utilit	Utilities (P	2021
NYSE:CMS Common SCMS Energ		72.29	Common SS&P 500 (L	Utilities	Multi-Utilit	Utilities (P	2022
NYSE:CMS Common SCMS Energ		72.29	Common SS&P 500 (L	Utilities	Multi-Utilit	Utilities (P	2023
NYSE:CMS Common SCMS Energ		72.29	Common SS&P 500 (L	Utilities	Multi-Utilit	Utilities (P	2024
NasdaqGS:Common SCSX Corpor		35.3	Common SS&P 500 (L	Industrials	Rail Transp	Industrials	2020
NasdaqGS:Common SCSX Corpor		35.3	Common SS&P 500 (L	Industrials	Rail Transp	Industrials	2021
NasdaqGS:Common SCSX Corpor		35.3	Common SS&P 500 (L	Industrials	Rail Transp	Industrials	2022
NasdaqGS:Common SCSX Corpor		35.3	Common SS&P 500 (L	Industrials	Rail Transp	Industrials	2023
NasdaqGS:Common SCSX Corpor		35.3	Common SS&P 500 (L	Industrials	Rail Transp	Industrials	2024
NYSE:CVS	Common SCVS Health	80.6	Common SS&P 500 (L	Health Car	Health Car	Health Car	2020
NYSE:CVS	Common SCVS Health	80.6	Common SS&P 500 (L	Health Car	Health Car	Health Car	2021
NYSE:CVS	Common SCVS Health	80.6	Common SS&P 500 (L	Health Car	Health Car	Health Car	2022
NYSE:CVS	Common SCVS Health	80.6	Common SS&P 500 (L	Health Car	Health Car	Health Car	2023
NYSE:CVS	Common SCVS Health	80.6	Common SS&P 500 (L	Health Car	Health Car	Health Car	2024
NasdaqGS:Common SCadence D		341.43	Common SS&P 500 (L	Informatio	Applicatio	Informatio	2020
NasdaqGS:Common SCadence D		341.43	Common SS&P 500 (L	Informatio	Applicatio	Informatio	2021
NasdaqGS:Common SCadence D		341.43	Common SS&P 500 (L	Informatio	Applicatio	Informatio	2022
NasdaqGS:Common SCadence D		341.43	Common SS&P 500 (L	Informatio	Applicatio	Informatio	2023
NasdaqGS:Common SCadence D		341.43	Common SS&P 500 (L	Informatio	Applicatio	Informatio	2024
NYSE:CPT	Common SCamden Pr	97.58	Common SS&P 500 (L	Real Estate	Multi-Fami	Real Estate	2020
NYSE:CPT	Common SCamden Pr	97.58	Common SS&P 500 (L	Real Estate	Multi-Fami	Real Estate	2021
NYSE:CPT	Common SCamden Pr	97.58	Common SS&P 500 (L	Real Estate	Multi-Fami	Real Estate	2022
NYSE:CPT	Common SCamden Pr	97.58	Common SS&P 500 (L	Real Estate	Multi-Fami	Real Estate	2023
NYSE:CPT	Common SCamden Pr	97.58	Common SS&P 500 (L	Real Estate	Multi-Fami	Real Estate	2024
NYSE:COF	Common SCapital On	218.59	Common SS&P 500 (L	Financials	Consumer	Financials	2020
NYSE:COF	Common SCapital On	218.59	Common SS&P 500 (L	Financials	Consumer	Financials	2021
NYSE:COF	Common SCapital On	218.59	Common SS&P 500 (L	Financials	Consumer	Financials	2022
NYSE:COF	Common SCapital On	218.59	Common SS&P 500 (L	Financials	Consumer	Financials	2023
NYSE:COF	Common SCapital On	218.59	Common SS&P 500 (L	Financials	Consumer	Financials	2024
NYSE:KMX	Common SCarMax, In	42.46	Common SS&P 500 (L	Consumer	Automotiv	Consumer	2020
NYSE:KMX	Common SCarMax, In	42.46	Common SS&P 500 (L	Consumer	Automotiv	Consumer	2021
NYSE:KMX	Common SCarMax, In	42.46	Common SS&P 500 (L	Consumer	Automotiv	Consumer	2022
NYSE:KMX	Common SCarMax, In	42.46	Common SS&P 500 (L	Consumer	Automotiv	Consumer	2023
NYSE:KMX	Common SCarMax, In	42.46	Common SS&P 500 (L	Consumer	Automotiv	Consumer	2024

NYSE:CAH Class A Co Cardinal H	164.47 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NYSE:CAH Class A Co Cardinal H	164.47 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NYSE:CAH Class A Co Cardinal H	164.47 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NYSE:CAH Class A Co Cardinal H	164.47 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NYSE:CAH Class A Co Cardinal H	164.47 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:CCL Corporati Carnival Cc	27.87 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2020
NYSE:CCL Corporati Carnival Cc	27.87 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2021
NYSE:CCL Corporati Carnival Cc	27.87 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2022
NYSE:CCL Corporati Carnival Cc	27.87 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2023
NYSE:CCL Corporati Carnival Cc	27.87 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2024
NYSE:CARFCommon SCarrier Glo	60.75 Common SS&P 500 (LIndustrials Building PrIndustrials	2020
NYSE:CARFCommon SCarrier Glo	60.75 Common SS&P 500 (LIndustrials Building PrIndustrials	2021
NYSE:CARFCommon SCarrier Glo	60.75 Common SS&P 500 (LIndustrials Building PrIndustrials	2022
NYSE:CARFCommon SCarrier Glo	60.75 Common SS&P 500 (LIndustrials Building PrIndustrials	2023
NYSE:CARFCommon SCarrier Glo	60.75 Common SS&P 500 (LIndustrials Building PrIndustrials	2024
NYSE:CAT Common SCaterpillar	585.49 Common SS&P 500 (LIndustrials Constructi Industrials	2020
NYSE:CAT Common SCaterpillar	585.49 Common SS&P 500 (LIndustrials Constructi Industrials	2021
NYSE:CAT Common SCaterpillar	585.49 Common SS&P 500 (LIndustrials Constructi Industrials	2022
NYSE:CAT Common SCaterpillar	585.49 Common SS&P 500 (LIndustrials Constructi Industrials	2023
NYSE:CAT Common SCaterpillar	585.49 Common SS&P 500 (LIndustrials Constructi Industrials	2024
BATS:CBOICommon SCboe Glob	236.79 Common SS&P 500 (LFinancials Financial Financials	2020
BATS:CBOICommon SCboe Glob	236.79 Common SS&P 500 (LFinancials Financial Financials	2021
BATS:CBOICommon SCboe Glob	236.79 Common SS&P 500 (LFinancials Financial Financials	2022
BATS:CBOICommon SCboe Glob	236.79 Common SS&P 500 (LFinancials Financial Financials	2023
BATS:CBOICommon SCboe Glob	236.79 Common SS&P 500 (LFinancials Financial Financials	2024
NYSE:COR Common SCencora, Ir	333.17 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NYSE:COR Common SCencora, Ir	333.17 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NYSE:COR Common SCencora, Ir	333.17 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NYSE:COR Common SCencora, Ir	333.17 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NYSE:COR Common SCencora, Ir	333.17 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:CNC Common SCentene Ci	37.34 Common SS&P 500 (LHealth Car Managed IHealth Car	2020
NYSE:CNC Common SCentene Ci	37.34 Common SS&P 500 (LHealth Car Managed IHealth Car	2021
NYSE:CNC Common SCentene Ci	37.34 Common SS&P 500 (LHealth Car Managed IHealth Car	2022
NYSE:CNC Common SCentene Ci	37.34 Common SS&P 500 (LHealth Car Managed IHealth Car	2023
NYSE:CNC Common SCentene Ci	37.34 Common SS&P 500 (LHealth Car Managed IHealth Car	2024
NYSE:CNP Common SCenterPoir	38.95 Common SS&P 500 (LUtilities Multi-UtilitUtilities (P	2020
NYSE:CNP Common SCenterPoir	38.95 Common SS&P 500 (LUtilities Multi-UtilitUtilities (P	2021
NYSE:CNP Common SCenterPoir	38.95 Common SS&P 500 (LUtilities Multi-UtilitUtilities (P	2022
NYSE:CNP Common SCenterPoir	38.95 Common SS&P 500 (LUtilities Multi-UtilitUtilities (P	2023
NYSE:CNP Common SCenterPoir	38.95 Common SS&P 500 (LUtilities Multi-UtilitUtilities (P	2024
NYSE:CRL Common SCharles Riv	180.15 Common SS&P 500 (LHealth Car Life Scienc Health Car	2020
NYSE:CRL Common SCharles Riv	180.15 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NYSE:CRL Common SCharles Riv	180.15 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022

NYSE:CRL	Common S	Charles Riv	180.15	Common	SS&P 500 (L	Health Car	Life Scienc	Health Car	2023
NYSE:CRL	Common S	Charles Riv	180.15	Common	SS&P 500 (L	Health Car	Life Scienc	Health Car	2024
NasdaqGS:New Class Charter Co			241.56	Common	SS&P 500 (L	Communic	Cable and	Communic	2020
NasdaqGS:New Class Charter Co			241.56	Common	SS&P 500 (L	Communic	Cable and	Communic	2021
NasdaqGS:New Class Charter Co			241.56	Common	SS&P 500 (L	Communic	Cable and	Communic	2022
NasdaqGS:New Class Charter Co			241.56	Common	SS&P 500 (L	Communic	Cable and	Communic	2023
NasdaqGS:New Class Charter Co			241.56	Common	SS&P 500 (L	Communic	Cable and	Communic	2024
NYSE:CVX	Common S	Chevron Co	155.1	Common	SS&P 500 (L	Energy	Integrated	Energy (Pr	2020
NYSE:CVX	Common S	Chevron Co	155.1	Common	SS&P 500 (L	Energy	Integrated	Energy (Pr	2021
NYSE:CVX	Common S	Chevron Co	155.1	Common	SS&P 500 (L	Energy	Integrated	Energy (Pr	2022
NYSE:CVX	Common S	Chevron Co	155.1	Common	SS&P 500 (L	Energy	Integrated	Energy (Pr	2023
NYSE:CVX	Common S	Chevron Co	155.1	Common	SS&P 500 (L	Energy	Integrated	Energy (Pr	2024
NYSE:CMG	Common S	Chipotle M	39.76	Common	SS&P 500 (L	Consumer	Restaurant	Consumer	2020
NYSE:CMG	Common S	Chipotle M	39.76	Common	SS&P 500 (L	Consumer	Restaurant	Consumer	2021
NYSE:CMG	Common S	Chipotle M	39.76	Common	SS&P 500 (L	Consumer	Restaurant	Consumer	2022
NYSE:CMG	Common S	Chipotle M	39.76	Common	SS&P 500 (L	Consumer	Restaurant	Consumer	2023
NYSE:CMG	Common S	Chipotle M	39.76	Common	SS&P 500 (L	Consumer	Restaurant	Consumer	2024
NYSE:CB	Ordinary S	Chubb Lim	278	Common	SS&P 500 (L	Financials	Property a	Financials	2020
NYSE:CB	Ordinary S	Chubb Lim	278	Common	SS&P 500 (L	Financials	Property a	Financials	2021
NYSE:CB	Ordinary S	Chubb Lim	278	Common	SS&P 500 (L	Financials	Property a	Financials	2022
NYSE:CB	Ordinary S	Chubb Lim	278	Common	SS&P 500 (L	Financials	Property a	Financials	2023
NYSE:CB	Ordinary S	Chubb Lim	278	Common	SS&P 500 (L	Financials	Property a	Financials	2024
NYSE:CHD	Common S	Church & I	81.84	Common	SS&P 500 (L	Consumer	Household	Consumer	2020
NYSE:CHD	Common S	Church & I	81.84	Common	SS&P 500 (L	Consumer	Household	Consumer	2021
NYSE:CHD	Common S	Church & I	81.84	Common	SS&P 500 (L	Consumer	Household	Consumer	2022
NYSE:CHD	Common S	Church & I	81.84	Common	SS&P 500 (L	Consumer	Household	Consumer	2023
NYSE:CHD	Common S	Church & I	81.84	Common	SS&P 500 (L	Consumer	Household	Consumer	2024
NasdaqGS:Common S	Cincinnati		151.83	Common	SS&P 500 (L	Financials	Property a	Financials	2020
NasdaqGS:Common S	Cincinnati		151.83	Common	SS&P 500 (L	Financials	Property a	Financials	2021
NasdaqGS:Common S	Cincinnati		151.83	Common	SS&P 500 (L	Financials	Property a	Financials	2022
NasdaqGS:Common S	Cincinnati		151.83	Common	SS&P 500 (L	Financials	Property a	Financials	2023
NasdaqGS:Common S	Cincinnati		151.83	Common	SS&P 500 (L	Financials	Property a	Financials	2024
NasdaqGS:Common S	Cintas Cor		183.9	Common	SS&P 500 (L	Industrials	Diversified	Industrials	2020
NasdaqGS:Common S	Cintas Cor		183.9	Common	SS&P 500 (L	Industrials	Diversified	Industrials	2021
NasdaqGS:Common S	Cintas Cor		183.9	Common	SS&P 500 (L	Industrials	Diversified	Industrials	2022
NasdaqGS:Common S	Cintas Cor		183.9	Common	SS&P 500 (L	Industrials	Diversified	Industrials	2023
NasdaqGS:Common S	Cintas Cor		183.9	Common	SS&P 500 (L	Industrials	Diversified	Industrials	2024
NasdaqGS:Common S	Cisco Syste		71.33	Common	SS&P 500 (L	Informatio	Communic	Informatio	2020
NasdaqGS:Common S	Cisco Syste		71.33	Common	SS&P 500 (L	Informatio	Communic	Informatio	2021
NasdaqGS:Common S	Cisco Syste		71.33	Common	SS&P 500 (L	Informatio	Communic	Informatio	2022
NasdaqGS:Common S	Cisco Syste		71.33	Common	SS&P 500 (L	Informatio	Communic	Informatio	2023
NasdaqGS:Common S	Cisco Syste		71.33	Common	SS&P 500 (L	Informatio	Communic	Informatio	2024
NYSE:C	Common S	Citigroup I	99.12	Common	SS&P 500 (L	Financials	Diversified	Financials	2020

NYSE:C	Common SCitigroup I	99.12	Common SS&P 500 (LFinancials	DiversifiedFinancials	2021
NYSE:C	Common SCitigroup I	99.12	Common SS&P 500 (LFinancials	DiversifiedFinancials	2022
NYSE:C	Common SCitigroup I	99.12	Common SS&P 500 (LFinancials	DiversifiedFinancials	2023
NYSE:C	Common SCitigroup I	99.12	Common SS&P 500 (LFinancials	DiversifiedFinancials	2024
NYSE:CFG	Common SCitizens Fi	50.43	Common SS&P 500 (LFinancials	Regional BFinancials	2020
NYSE:CFG	Common SCitizens Fi	50.43	Common SS&P 500 (LFinancials	Regional BFinancials	2021
NYSE:CFG	Common SCitizens Fi	50.43	Common SS&P 500 (LFinancials	Regional BFinancials	2022
NYSE:CFG	Common SCitizens Fi	50.43	Common SS&P 500 (LFinancials	Regional BFinancials	2023
NYSE:CFG	Common SCitizens Fi	50.43	Common SS&P 500 (LFinancials	Regional BFinancials	2024
NasdaqGS:Common SCoStar Gro		70.51	Common SS&P 500 (LReal EstateReal EstateReal Estate		2020
NasdaqGS:Common SCoStar Gro		70.51	Common SS&P 500 (LReal EstateReal EstateReal Estate		2021
NasdaqGS:Common SCoStar Gro		70.51	Common SS&P 500 (LReal EstateReal EstateReal Estate		2022
NasdaqGS:Common SCoStar Gro		70.51	Common SS&P 500 (LReal EstateReal EstateReal Estate		2023
NasdaqGS:Common SCoStar Gro		70.51	Common SS&P 500 (LReal EstateReal EstateReal Estate		2024
NasdaqGS:Class A Co Cognizant		71.69	Common SS&P 500 (LInformatioIT ConsultiInformatio		2020
NasdaqGS:Class A Co Cognizant		71.69	Common SS&P 500 (LInformatioIT ConsultiInformatio		2021
NasdaqGS:Class A Co Cognizant		71.69	Common SS&P 500 (LInformatioIT ConsultiInformatio		2022
NasdaqGS:Class A Co Cognizant		71.69	Common SS&P 500 (LInformatioIT ConsultiInformatio		2023
NasdaqGS:Class A Co Cognizant		71.69	Common SS&P 500 (LInformatioIT ConsultiInformatio		2024
NasdaqGS:Class A Co Coinbase C		348.61	Common SS&P 500 (LFinancials Financial Financials		2020
NasdaqGS:Class A Co Coinbase C		348.61	Common SS&P 500 (LFinancials Financial Financials		2021
NasdaqGS:Class A Co Coinbase C		348.61	Common SS&P 500 (LFinancials Financial Financials		2022
NasdaqGS:Class A Co Coinbase C		348.61	Common SS&P 500 (LFinancials Financial Financials		2023
NasdaqGS:Class A Co Coinbase C		348.61	Common SS&P 500 (LFinancials Financial Financials		2024
NYSE:CL	Common SColgate-Pa	75.73	Common SS&P 500 (LConsumer HouseholdConsumer		2020
NYSE:CL	Common SColgate-Pa	75.73	Common SS&P 500 (LConsumer HouseholdConsumer		2021
NYSE:CL	Common SColgate-Pa	75.73	Common SS&P 500 (LConsumer HouseholdConsumer		2022
NYSE:CL	Common SColgate-Pa	75.73	Common SS&P 500 (LConsumer HouseholdConsumer		2023
NYSE:CL	Common SColgate-Pa	75.73	Common SS&P 500 (LConsumer HouseholdConsumer		2024
NasdaqGS Class A Co Comcast C		28.53	Common SS&P 500 (LCommunicCable and Communic		2020
NasdaqGS Class A Co Comcast C		28.53	Common SS&P 500 (LCommunicCable and Communic		2021
NasdaqGS Class A Co Comcast C		28.53	Common SS&P 500 (LCommunicCable and Communic		2022
NasdaqGS Class A Co Comcast C		28.53	Common SS&P 500 (LCommunicCable and Communic		2023
NasdaqGS Class A Co Comcast C		28.53	Common SS&P 500 (LCommunicCable and Communic		2024
NYSE:CAG	Common SConagra Bi	17.38	Common SS&P 500 (LConsumer Packaged IConsumer		2020
NYSE:CAG	Common SConagra Bi	17.38	Common SS&P 500 (LConsumer Packaged IConsumer		2021
NYSE:CAG	Common SConagra Bi	17.38	Common SS&P 500 (LConsumer Packaged IConsumer		2022
NYSE:CAG	Common SConagra Bi	17.38	Common SS&P 500 (LConsumer Packaged IConsumer		2023
NYSE:CAG	Common SConagra Bi	17.38	Common SS&P 500 (LConsumer Packaged IConsumer		2024
NYSE:COP	Common SConocoPhi	88.08	Common SS&P 500 (LEnergy Oil and Ga:Energy (Pr		2020
NYSE:COP	Common SConocoPhi	88.08	Common SS&P 500 (LEnergy Oil and Ga:Energy (Pr		2021
NYSE:COP	Common SConocoPhi	88.08	Common SS&P 500 (LEnergy Oil and Ga:Energy (Pr		2022
NYSE:COP	Common SConocoPhi	88.08	Common SS&P 500 (LEnergy Oil and Ga:Energy (Pr		2023

NYSE:COP Common SConocoPhi	88.08 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr	2024
NYSE:ED Common SConsolidat	97 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2020
NYSE:ED Common SConsolidat	97 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2021
NYSE:ED Common SConsolidat	97 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2022
NYSE:ED Common SConsolidat	97 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2023
NYSE:ED Common SConsolidat	97 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2024
NYSE:STZ Class A Co Constellati	130.98 Common SS&P 500 (LConsumer	Distillers Consumer	2020
NYSE:STZ Class A Co Constellati	130.98 Common SS&P 500 (LConsumer	Distillers Consumer	2021
NYSE:STZ Class A Co Constellati	130.98 Common SS&P 500 (LConsumer	Distillers Consumer	2022
NYSE:STZ Class A Co Constellati	130.98 Common SS&P 500 (LConsumer	Distillers Consumer	2023
NYSE:STZ Class A Co Constellati	130.98 Common SS&P 500 (LConsumer	Distillers Consumer	2024
NasdaqGS:Common SConstellat	401.43 Common SS&P 500 (LUtilities	Electric UtUtilities (P	2020
NasdaqGS:Common SConstellat	401.43 Common SS&P 500 (LUtilities	Electric UtUtilities (P	2021
NasdaqGS:Common SConstellat	401.43 Common SS&P 500 (LUtilities	Electric UtUtilities (P	2022
NasdaqGS:Common SConstellat	401.43 Common SS&P 500 (LUtilities	Electric UtUtilities (P	2023
NasdaqGS:Common SConstellat	401.43 Common SS&P 500 (LUtilities	Electric UtUtilities (P	2024
NasdaqGS:Common SCopart, Inc	42.5 Common SS&P 500 (LIndustrials	DiversifiedIndustrials	2020
NasdaqGS:Common SCopart, Inc	42.5 Common SS&P 500 (LIndustrials	DiversifiedIndustrials	2021
NasdaqGS:Common SCopart, Inc	42.5 Common SS&P 500 (LIndustrials	DiversifiedIndustrials	2022
NasdaqGS:Common SCopart, Inc	42.5 Common SS&P 500 (LIndustrials	DiversifiedIndustrials	2023
NasdaqGS:Common SCopart, Inc	42.5 Common SS&P 500 (LIndustrials	DiversifiedIndustrials	2024
NYSE:GLW Common SCorning In	90.29 Common SS&P 500 (LInformatio	Electronic Informatio	2020
NYSE:GLW Common SCorning In	90.29 Common SS&P 500 (LInformatio	Electronic Informatio	2021
NYSE:GLW Common SCorning In	90.29 Common SS&P 500 (LInformatio	Electronic Informatio	2022
NYSE:GLW Common SCorning In	90.29 Common SS&P 500 (LInformatio	Electronic Informatio	2023
NYSE:GLW Common SCorning In	90.29 Common SS&P 500 (LInformatio	Electronic Informatio	2024
NYSE:CPAYCommon SCorpay, Inc	268.11 Common SS&P 500 (LFinancials	Transactio Financials	2020
NYSE:CPAYCommon SCorpay, Inc	268.11 Common SS&P 500 (LFinancials	Transactio Financials	2021
NYSE:CPAYCommon SCorpay, Inc	268.11 Common SS&P 500 (LFinancials	Transactio Financials	2022
NYSE:CPAYCommon SCorpay, Inc	268.11 Common SS&P 500 (LFinancials	Transactio Financials	2023
NYSE:CPAYCommon SCorpay, Inc	268.11 Common SS&P 500 (LFinancials	Transactio Financials	2024
NYSE:CTVACommon SCorteva, In	63.2 Common SS&P 500 (LMaterials	Fertilizers Materials (	2020
NYSE:CTVACommon SCorteva, In	63.2 Common SS&P 500 (LMaterials	Fertilizers Materials (	2021
NYSE:CTVACommon SCorteva, In	63.2 Common SS&P 500 (LMaterials	Fertilizers Materials (	2022
NYSE:CTVACommon SCorteva, In	63.2 Common SS&P 500 (LMaterials	Fertilizers Materials (	2023
NYSE:CTVACommon SCorteva, In	63.2 Common SS&P 500 (LMaterials	Fertilizers Materials (	2024
NasdaqGS:Common SCostco Wh	912.42 Common SS&P 500 (LConsumer	Consumer Consumer	2020
NasdaqGS:Common SCostco Wh	912.42 Common SS&P 500 (LConsumer	Consumer Consumer	2021
NasdaqGS:Common SCostco Wh	912.42 Common SS&P 500 (LConsumer	Consumer Consumer	2022
NasdaqGS:Common SCostco Wh	912.42 Common SS&P 500 (LConsumer	Consumer Consumer	2023
NasdaqGS:Common SCostco Wh	912.42 Common SS&P 500 (LConsumer	Consumer Consumer	2024
NYSE:CTRACommon SCoterra En	23.34 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr	2020
NYSE:CTRACommon SCoterra En	23.34 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr	2021

NYSE:CTRA Common SCoterra En	23.34 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr	2022
NYSE:CTRA Common SCoterra En	23.34 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr	2023
NYSE:CTRA Common SCoterra En	23.34 Common SS&P 500 (LEnergy	Oil and Ga:Energy (Pr	2024
NasdaqGS Class A Co CrowdStrik	545.5 Common SS&P 500 (LInformatio	Systems ScInformatio	2020
NasdaqGS Class A Co CrowdStrik	545.5 Common SS&P 500 (LInformatio	Systems ScInformatio	2021
NasdaqGS Class A Co CrowdStrik	545.5 Common SS&P 500 (LInformatio	Systems ScInformatio	2022
NasdaqGS Class A Co CrowdStrik	545.5 Common SS&P 500 (LInformatio	Systems ScInformatio	2023
NasdaqGS Class A Co CrowdStrik	545.5 Common SS&P 500 (LInformatio	Systems ScInformatio	2024
NYSE:CCI Common SCrown Cas	92.32 Common SS&P 500 (LReal Estate	Telecom TrReal Estate	2020
NYSE:CCI Common SCrown Cas	92.32 Common SS&P 500 (LReal Estate	Telecom TrReal Estate	2021
NYSE:CCI Common SCrown Cas	92.32 Common SS&P 500 (LReal Estate	Telecom TrReal Estate	2022
NYSE:CCI Common SCrown Cas	92.32 Common SS&P 500 (LReal Estate	Telecom TrReal Estate	2023
NYSE:CCI Common SCrown Cas	92.32 Common SS&P 500 (LReal Estate	Telecom TrReal Estate	2024
NYSE:CMI Common SCummins I	441.26 Common SS&P 500 (LIndustrials Constructi	Industrials	2020
NYSE:CMI Common SCummins I	441.26 Common SS&P 500 (LIndustrials Constructi	Industrials	2021
NYSE:CMI Common SCummins I	441.26 Common SS&P 500 (LIndustrials Constructi	Industrials	2022
NYSE:CMI Common SCummins I	441.26 Common SS&P 500 (LIndustrials Constructi	Industrials	2023
NYSE:CMI Common SCummins I	441.26 Common SS&P 500 (LIndustrials Constructi	Industrials	2024
NYSE:DHI Common SD.R. Horto	148.29 Common SS&P 500 (LConsumer Homebuilc	Consumer	2020
NYSE:DHI Common SD.R. Horto	148.29 Common SS&P 500 (LConsumer Homebuilc	Consumer	2021
NYSE:DHI Common SD.R. Horto	148.29 Common SS&P 500 (LConsumer Homebuilc	Consumer	2022
NYSE:DHI Common SD.R. Horto	148.29 Common SS&P 500 (LConsumer Homebuilc	Consumer	2023
NYSE:DHI Common SD.R. Horto	148.29 Common SS&P 500 (LConsumer Homebuilc	Consumer	2024
NYSE:DTE Common SDTE Energ	138.86 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2020
NYSE:DTE Common SDTE Energ	138.86 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2021
NYSE:DTE Common SDTE Energ	138.86 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2022
NYSE:DTE Common SDTE Energ	138.86 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2023
NYSE:DTE Common SDTE Energ	138.86 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2024
NYSE:DVA Common SDaVita Inc.	126.56 Common SS&P 500 (LHealth Car Health Car Health Car		2020
NYSE:DVA Common SDaVita Inc.	126.56 Common SS&P 500 (LHealth Car Health Car Health Car		2021
NYSE:DVA Common SDaVita Inc.	126.56 Common SS&P 500 (LHealth Car Health Car Health Car		2022
NYSE:DVA Common SDaVita Inc.	126.56 Common SS&P 500 (LHealth Car Health Car Health Car		2023
NYSE:DVA Common SDaVita Inc.	126.56 Common SS&P 500 (LHealth Car Health Car Health Car		2024
NYSE:DHR Common SDanaher C	214.01 Common SS&P 500 (LHealth Car Life Scienc Health Car		2020
NYSE:DHR Common SDanaher C	214.01 Common SS&P 500 (LHealth Car Life Scienc Health Car		2021
NYSE:DHR Common SDanaher C	214.01 Common SS&P 500 (LHealth Car Life Scienc Health Car		2022
NYSE:DHR Common SDanaher C	214.01 Common SS&P 500 (LHealth Car Life Scienc Health Car		2023
NYSE:DHR Common SDanaher C	214.01 Common SS&P 500 (LHealth Car Life Scienc Health Car		2024
NYSE:DRI Common SDarden Re	182.41 Common SS&P 500 (LConsumer RestaurantConsumer		2020
NYSE:DRI Common SDarden Re	182.41 Common SS&P 500 (LConsumer RestaurantConsumer		2021
NYSE:DRI Common SDarden Re	182.41 Common SS&P 500 (LConsumer RestaurantConsumer		2022
NYSE:DRI Common SDarden Re	182.41 Common SS&P 500 (LConsumer RestaurantConsumer		2023
NYSE:DRI Common SDarden Re	182.41 Common SS&P 500 (LConsumer RestaurantConsumer		2024

NasdaqGS Class A Co Datadog, Li	156 Common SS&P 500 (LI	Information Technology	2020
NasdaqGS Class A Co Datadog, Li	156 Common SS&P 500 (LI	Information Technology	2021
NasdaqGS Class A Co Datadog, Li	156 Common SS&P 500 (LI	Information Technology	2022
NasdaqGS Class A Co Datadog, Li	156 Common SS&P 500 (LI	Information Technology	2023
NasdaqGS Class A Co Datadog, Li	156 Common SS&P 500 (LI	Information Technology	2024
NYSE:DAY Common SDayforce Li	68.36 Common SS&P 500 (LI	Industrials Human Resources	2020
NYSE:DAY Common SDayforce Li	68.36 Common SS&P 500 (LI	Industrials Human Resources	2021
NYSE:DAY Common SDayforce Li	68.36 Common SS&P 500 (LI	Industrials Human Resources	2022
NYSE:DAY Common SDayforce Li	68.36 Common SS&P 500 (LI	Industrials Human Resources	2023
NYSE:DAY Common SDayforce Li	68.36 Common SS&P 500 (LI	Industrials Human Resources	2024
NYSE:DECK Common SDeckers OI	83.84 Common SS&P 500 (LI	Consumer Footwear Consumer	2020
NYSE:DECK Common SDeckers OI	83.84 Common SS&P 500 (LI	Consumer Footwear Consumer	2021
NYSE:DECK Common SDeckers OI	83.84 Common SS&P 500 (LI	Consumer Footwear Consumer	2022
NYSE:DECK Common SDeckers OI	83.84 Common SS&P 500 (LI	Consumer Footwear Consumer	2023
NYSE:DECK Common SDeckers OI	83.84 Common SS&P 500 (LI	Consumer Footwear Consumer	2024
NYSE:DE Common SDeere & C	473.49 Common SS&P 500 (LI	Industrials Agriculture	2020
NYSE:DE Common SDeere & C	473.49 Common SS&P 500 (LI	Industrials Agriculture	2021
NYSE:DE Common SDeere & C	473.49 Common SS&P 500 (LI	Industrials Agriculture	2022
NYSE:DE Common SDeere & C	473.49 Common SS&P 500 (LI	Industrials Agriculture	2023
NYSE:DE Common SDeere & C	473.49 Common SS&P 500 (LI	Industrials Agriculture	2024
NYSE:DELL Class C Co Dell Techn	163.6 Common SS&P 500 (LI	Information Technology	2020
NYSE:DELL Class C Co Dell Techn	163.6 Common SS&P 500 (LI	Information Technology	2021
NYSE:DELL Class C Co Dell Techn	163.6 Common SS&P 500 (LI	Information Technology	2022
NYSE:DELL Class C Co Dell Techn	163.6 Common SS&P 500 (LI	Information Technology	2023
NYSE:DELL Class C Co Dell Techn	163.6 Common SS&P 500 (LI	Information Technology	2024
NYSE:DAL Common SDelta Air Li	58.76 Common SS&P 500 (LI	Industrials Passenger	2020
NYSE:DAL Common SDelta Air Li	58.76 Common SS&P 500 (LI	Industrials Passenger	2021
NYSE:DAL Common SDelta Air Li	58.76 Common SS&P 500 (LI	Industrials Passenger	2022
NYSE:DAL Common SDelta Air Li	58.76 Common SS&P 500 (LI	Industrials Passenger	2023
NYSE:DAL Common SDelta Air Li	58.76 Common SS&P 500 (LI	Industrials Passenger	2024
NYSE:DVN Common SDevon Ene	32.05 Common SS&P 500 (LI	Energy Oil and Gas	2020
NYSE:DVN Common SDevon Ene	32.05 Common SS&P 500 (LI	Energy Oil and Gas	2021
NYSE:DVN Common SDevon Ene	32.05 Common SS&P 500 (LI	Energy Oil and Gas	2022
NYSE:DVN Common SDevon Ene	32.05 Common SS&P 500 (LI	Energy Oil and Gas	2023
NYSE:DVN Common SDevon Ene	32.05 Common SS&P 500 (LI	Energy Oil and Gas	2024
NasdaqGS Common SDexCom, Li	68.18 Common SS&P 500 (LI	Health Care Health Care	2020
NasdaqGS Common SDexCom, Li	68.18 Common SS&P 500 (LI	Health Care Health Care	2021
NasdaqGS Common SDexCom, Li	68.18 Common SS&P 500 (LI	Health Care Health Care	2022
NasdaqGS Common SDexCom, Li	68.18 Common SS&P 500 (LI	Health Care Health Care	2023
NasdaqGS Common SDexCom, Li	68.18 Common SS&P 500 (LI	Health Care Health Care	2024
NasdaqGS:Common SDiamondb	143.63 Common SS&P 500 (LI	Energy Oil and Gas	2020
NasdaqGS:Common SDiamondb	143.63 Common SS&P 500 (LI	Energy Oil and Gas	2021
NasdaqGS:Common SDiamondb	143.63 Common SS&P 500 (LI	Energy Oil and Gas	2022

NasdaqGS:Common SDiamondb	143.63	Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2023
NasdaqGS:Common SDiamondb	143.63	Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2024
NYSE:DLR Common SDigital Rea	167.14	Common SS&P 500 (L	Real EstateData CenteReal Estate	2020
NYSE:DLR Common SDigital Rea	167.14	Common SS&P 500 (L	Real EstateData CenteReal Estate	2021
NYSE:DLR Common SDigital Rea	167.14	Common SS&P 500 (L	Real EstateData CenteReal Estate	2022
NYSE:DLR Common SDigital Rea	167.14	Common SS&P 500 (L	Real EstateData CenteReal Estate	2023
NYSE:DLR Common SDigital Rea	167.14	Common SS&P 500 (L	Real EstateData CenteReal Estate	2024
NYSE:DG Common SDollar Gen	99.91	Common SS&P 500 (L	Consumer Consumer Consumer	2020
NYSE:DG Common SDollar Gen	99.91	Common SS&P 500 (L	Consumer Consumer Consumer	2021
NYSE:DG Common SDollar Gen	99.91	Common SS&P 500 (L	Consumer Consumer Consumer	2022
NYSE:DG Common SDollar Gen	99.91	Common SS&P 500 (L	Consumer Consumer Consumer	2023
NYSE:DG Common SDollar Gen	99.91	Common SS&P 500 (L	Consumer Consumer Consumer	2024
NasdaqGS:Common SDollar Tree	101.33	Common SS&P 500 (L	Consumer Consumer Consumer	2020
NasdaqGS:Common SDollar Tree	101.33	Common SS&P 500 (L	Consumer Consumer Consumer	2021
NasdaqGS:Common SDollar Tree	101.33	Common SS&P 500 (L	Consumer Consumer Consumer	2022
NasdaqGS:Common SDollar Tree	101.33	Common SS&P 500 (L	Consumer Consumer Consumer	2023
NasdaqGS:Common SDollar Tree	101.33	Common SS&P 500 (L	Consumer Consumer Consumer	2024
NYSE:D Common SDominion	58.99	Common SS&P 500 (L	Utilities Multi-UtilitUtilities (P	2020
NYSE:D Common SDominion	58.99	Common SS&P 500 (L	Utilities Multi-UtilitUtilities (P	2021
NYSE:D Common SDominion	58.99	Common SS&P 500 (L	Utilities Multi-UtilitUtilities (P	2022
NYSE:D Common SDominion	58.99	Common SS&P 500 (L	Utilities Multi-UtilitUtilities (P	2023
NYSE:D Common SDominion	58.99	Common SS&P 500 (L	Utilities Multi-UtilitUtilities (P	2024
NasdaqGS:Voting Co Domino's f	405.87	Common SS&P 500 (L	Consumer RestaurantConsumer	2020
NasdaqGS:Voting Co Domino's f	405.87	Common SS&P 500 (L	Consumer RestaurantConsumer	2021
NasdaqGS:Voting Co Domino's f	405.87	Common SS&P 500 (L	Consumer RestaurantConsumer	2022
NasdaqGS:Voting Co Domino's f	405.87	Common SS&P 500 (L	Consumer RestaurantConsumer	2023
NasdaqGS:Voting Co Domino's f	405.87	Common SS&P 500 (L	Consumer RestaurantConsumer	2024
NasdaqGS:Class A Co DoorDash,	266.06	Common SS&P 500 (L	Consumer RestaurantConsumer	2020
NasdaqGS:Class A Co DoorDash,	266.06	Common SS&P 500 (L	Consumer RestaurantConsumer	2021
NasdaqGS:Class A Co DoorDash,	266.06	Common SS&P 500 (L	Consumer RestaurantConsumer	2022
NasdaqGS:Class A Co DoorDash,	266.06	Common SS&P 500 (L	Consumer RestaurantConsumer	2023
NasdaqGS:Class A Co DoorDash,	266.06	Common SS&P 500 (L	Consumer RestaurantConsumer	2024
NYSE:DOV Common SDover Cor	180.8	Common SS&P 500 (L	Industrials Industrial Industrials	2020
NYSE:DOV Common SDover Cor	180.8	Common SS&P 500 (L	Industrials Industrial Industrials	2021
NYSE:DOV Common SDover Cor	180.8	Common SS&P 500 (L	Industrials Industrial Industrials	2022
NYSE:DOV Common SDover Cor	180.8	Common SS&P 500 (L	Industrials Industrial Industrials	2023
NYSE:DOV Common SDover Cor	180.8	Common SS&P 500 (L	Industrials Industrial Industrials	2024
NYSE:DOWCommon SDow Inc.	24.86	Common SS&P 500 (L	Materials CommoditMaterials (	2020
NYSE:DOWCommon SDow Inc.	24.86	Common SS&P 500 (L	Materials CommoditMaterials (	2021
NYSE:DOWCommon SDow Inc.	24.86	Common SS&P 500 (L	Materials CommoditMaterials (	2022
NYSE:DOWCommon SDow Inc.	24.86	Common SS&P 500 (L	Materials CommoditMaterials (	2023
NYSE:DOWCommon SDow Inc.	24.86	Common SS&P 500 (L	Materials CommoditMaterials (	2024
NYSE:DD Common SDuPont de	82.16	Common SS&P 500 (L	Materials Specialty CMaterials (	2020



NYSE:DD	Common SDuPont de	82.16	Common SS&P 500 (L	Materials	Specialty C	Materials (	2021
NYSE:DD	Common SDuPont de	82.16	Common SS&P 500 (L	Materials	Specialty C	Materials (	2022
NYSE:DD	Common SDuPont de	82.16	Common SS&P 500 (L	Materials	Specialty C	Materials (	2023
NYSE:DD	Common SDuPont de	82.16	Common SS&P 500 (L	Materials	Specialty C	Materials (	2024
NYSE:DUK	Common SDuke Enerj	124.29	Common SS&P 500 (L	Utilities	Electric Uti	Utilities (P	2020
NYSE:DUK	Common SDuke Enerj	124.29	Common SS&P 500 (L	Utilities	Electric Uti	Utilities (P	2021
NYSE:DUK	Common SDuke Enerj	124.29	Common SS&P 500 (L	Utilities	Electric Uti	Utilities (P	2022
NYSE:DUK	Common SDuke Enerj	124.29	Common SS&P 500 (L	Utilities	Electric Uti	Utilities (P	2023
NYSE:DUK	Common SDuke Enerj	124.29	Common SS&P 500 (L	Utilities	Electric Uti	Utilities (P	2024
NYSE:EME	Common SEMCOR Gr	777	Common SS&P 500 (L	Industrials	Constructi	Industrials	2020
NYSE:EME	Common SEMCOR Gr	777	Common SS&P 500 (L	Industrials	Constructi	Industrials	2021
NYSE:EME	Common SEMCOR Gr	777	Common SS&P 500 (L	Industrials	Constructi	Industrials	2022
NYSE:EME	Common SEMCOR Gr	777	Common SS&P 500 (L	Industrials	Constructi	Industrials	2023
NYSE:EME	Common SEMCOR Gr	777	Common SS&P 500 (L	Industrials	Constructi	Industrials	2024
NYSE:EOG	Common SEOG Resol	106	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2020
NYSE:EOG	Common SEOG Resol	106	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2021
NYSE:EOG	Common SEOG Resol	106	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2022
NYSE:EOG	Common SEOG Resol	106	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2023
NYSE:EOG	Common SEOG Resol	106	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2024
NYSE:EPA	Common SEPAM Syst	162.85	Common SS&P 500 (L	Informatio	IT Consulti	Informatio	2020
NYSE:EPA	Common SEPAM Syst	162.85	Common SS&P 500 (L	Informatio	IT Consulti	Informatio	2021
NYSE:EPA	Common SEPAM Syst	162.85	Common SS&P 500 (L	Informatio	IT Consulti	Informatio	2022
NYSE:EPA	Common SEPAM Syst	162.85	Common SS&P 500 (L	Informatio	IT Consulti	Informatio	2023
NYSE:EPA	Common SEPAM Syst	162.85	Common SS&P 500 (L	Informatio	IT Consulti	Informatio	2024
NYSE:EQT	Common SEQT Corpo	51.8	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2020
NYSE:EQT	Common SEQT Corpo	51.8	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2021
NYSE:EQT	Common SEQT Corpo	51.8	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2022
NYSE:EQT	Common SEQT Corpo	51.8	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2023
NYSE:EQT	Common SEQT Corpo	51.8	Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2024
NYSE:EMN	Common SEastman C	61.08	Common SS&P 500 (L	Materials	Specialty C	Materials (	2020
NYSE:EMN	Common SEastman C	61.08	Common SS&P 500 (L	Materials	Specialty C	Materials (	2021
NYSE:EMN	Common SEastman C	61.08	Common SS&P 500 (L	Materials	Specialty C	Materials (	2022
NYSE:EMN	Common SEastman C	61.08	Common SS&P 500 (L	Materials	Specialty C	Materials (	2023
NYSE:EMN	Common SEastman C	61.08	Common SS&P 500 (L	Materials	Specialty C	Materials (	2024
NYSE:ETN	Common SEaton Corç	387.75	Common SS&P 500 (L	Industrials	Electrical	Industrials	2020
NYSE:ETN	Common SEaton Corç	387.75	Common SS&P 500 (L	Industrials	Electrical	Industrials	2021
NYSE:ETN	Common SEaton Corç	387.75	Common SS&P 500 (L	Industrials	Electrical	Industrials	2022
NYSE:ETN	Common SEaton Corç	387.75	Common SS&P 500 (L	Industrials	Electrical	Industrials	2023
NYSE:ETN	Common SEaton Corç	387.75	Common SS&P 500 (L	Industrials	Electrical	Industrials	2024
NYSE:ECL	Common SEcolab Inc.	257.47	Common SS&P 500 (L	Materials	Specialty C	Materials (	2020
NYSE:ECL	Common SEcolab Inc.	257.47	Common SS&P 500 (L	Materials	Specialty C	Materials (	2021
NYSE:ECL	Common SEcolab Inc.	257.47	Common SS&P 500 (L	Materials	Specialty C	Materials (	2022
NYSE:ECL	Common SEcolab Inc.	257.47	Common SS&P 500 (L	Materials	Specialty C	Materials (	2023

NYSE:ECL	Common SEcolab Inc.	257.47	Common SS&P 500 (L	Materials	Specialty C	Materials (	2024
NYSE:EIX	Common SEdison Inte	55.39	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2020
NYSE:EIX	Common SEdison Inte	55.39	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2021
NYSE:EIX	Common SEdison Inte	55.39	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2022
NYSE:EIX	Common SEdison Inte	55.39	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2023
NYSE:EIX	Common SEdison Inte	55.39	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2024
NYSE:EW	Common SEdwards Li	82.69	Common SS&P 500 (L	Health Car	Health Car	Health Car	2020
NYSE:EW	Common SEdwards Li	82.69	Common SS&P 500 (L	Health Car	Health Car	Health Car	2021
NYSE:EW	Common SEdwards Li	82.69	Common SS&P 500 (L	Health Car	Health Car	Health Car	2022
NYSE:EW	Common SEdwards Li	82.69	Common SS&P 500 (L	Health Car	Health Car	Health Car	2023
NYSE:EW	Common SEdwards Li	82.69	Common SS&P 500 (L	Health Car	Health Car	Health Car	2024
NasdaqGS:Common SElectronic		200.2	Common SS&P 500 (L	Communic	Interactiv	Communic	2020
NasdaqGS:Common SElectronic		200.2	Common SS&P 500 (L	Communic	Interactiv	Communic	2021
NasdaqGS:Common SElectronic		200.2	Common SS&P 500 (L	Communic	Interactiv	Communic	2022
NasdaqGS:Common SElectronic		200.2	Common SS&P 500 (L	Communic	Interactiv	Communic	2023
NasdaqGS:Common SElectronic		200.2	Common SS&P 500 (L	Communic	Interactiv	Communic	2024
NYSE:ELV	Common SElevance H	336.36	Common SS&P 500 (L	Health Car	Managed I	Health Car	2020
NYSE:ELV	Common SElevance H	336.36	Common SS&P 500 (L	Health Car	Managed I	Health Car	2021
NYSE:ELV	Common SElevance H	336.36	Common SS&P 500 (L	Health Car	Managed I	Health Car	2022
NYSE:ELV	Common SElevance H	336.36	Common SS&P 500 (L	Health Car	Managed I	Health Car	2023
NYSE:ELV	Common SElevance H	336.36	Common SS&P 500 (L	Health Car	Managed I	Health Car	2024
NYSE:LLY	Common SELi Lilly a	813.53	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2020
NYSE:LLY	Common SELi Lilly a	813.53	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2021
NYSE:LLY	Common SELi Lilly a	813.53	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2022
NYSE:LLY	Common SELi Lilly a	813.53	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2023
NYSE:LLY	Common SELi Lilly a	813.53	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2024
NYSE:EMR	Common SEmerson E	136.43	Common SS&P 500 (L	Industrials	Electrical	Industrials	2020
NYSE:EMR	Common SEmerson E	136.43	Common SS&P 500 (L	Industrials	Electrical	Industrials	2021
NYSE:EMR	Common SEmerson E	136.43	Common SS&P 500 (L	Industrials	Electrical	Industrials	2022
NYSE:EMR	Common SEmerson E	136.43	Common SS&P 500 (L	Industrials	Electrical	Industrials	2023
NYSE:EMR	Common SEmerson E	136.43	Common SS&P 500 (L	Industrials	Electrical	Industrials	2024
NYSE:ETR	Common SEnergy Co	95.46	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2020
NYSE:ETR	Common SEnergy Co	95.46	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2021
NYSE:ETR	Common SEnergy Co	95.46	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2022
NYSE:ETR	Common SEnergy Co	95.46	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2023
NYSE:ETR	Common SEnergy Co	95.46	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2024
NYSE:EFX	Common SEquifax Inc	214.51	Common SS&P 500 (L	Industrials	Research a	Industrials	2020
NYSE:EFX	Common SEquifax Inc	214.51	Common SS&P 500 (L	Industrials	Research a	Industrials	2021
NYSE:EFX	Common SEquifax Inc	214.51	Common SS&P 500 (L	Industrials	Research a	Industrials	2022
NYSE:EFX	Common SEquifax Inc	214.51	Common SS&P 500 (L	Industrials	Research a	Industrials	2023
NYSE:EFX	Common SEquifax Inc	214.51	Common SS&P 500 (L	Industrials	Research a	Industrials	2024
NasdaqGS:New ComrEquinix, In		797.73	Common SS&P 500 (L	Real Estate	Data Cente	Real Estate	2020
NasdaqGS:New ComrEquinix, In		797.73	Common SS&P 500 (L	Real Estate	Data Cente	Real Estate	2021

NasdaqGS:New ComrEquinix, In	797.73 Common SS&P 500 (L	Real EstateData CenteReal Estate	2022
NasdaqGS:New ComrEquinix, In	797.73 Common SS&P 500 (L	Real EstateData CenteReal Estate	2023
NasdaqGS:New ComrEquinix, In	797.73 Common SS&P 500 (L	Real EstateData CenteReal Estate	2024
NYSE:EQR Common SEquity Res	58.91 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2020
NYSE:EQR Common SEquity Res	58.91 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2021
NYSE:EQR Common SEquity Res	58.91 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2022
NYSE:EQR Common SEquity Res	58.91 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2023
NYSE:EQR Common SEquity Res	58.91 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2024
NasdaqGS:Class A No Erie Indem	301.87 Common SS&P 500 (L	Financials Property aFinancials	2020
NasdaqGS:Class A No Erie Indem	301.87 Common SS&P 500 (L	Financials Property aFinancials	2021
NasdaqGS:Class A No Erie Indem	301.87 Common SS&P 500 (L	Financials Property aFinancials	2022
NasdaqGS:Class A No Erie Indem	301.87 Common SS&P 500 (L	Financials Property aFinancials	2023
NasdaqGS:Class A No Erie Indem	301.87 Common SS&P 500 (L	Financials Property aFinancials	2024
NYSE:ESS Common SESsex Prop	247.18 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2020
NYSE:ESS Common SESsex Prop	247.18 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2021
NYSE:ESS Common SESsex Prop	247.18 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2022
NYSE:ESS Common SESsex Prop	247.18 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2023
NYSE:ESS Common SESsex Prop	247.18 Common SS&P 500 (L	Real EstateMulti-FamiReal Estate	2024
NYSE:EG Common SEverest Gr	309.45 Common SS&P 500 (L	Financials ReinsurancFinancials	2020
NYSE:EG Common SEverest Gr	309.45 Common SS&P 500 (L	Financials ReinsurancFinancials	2021
NYSE:EG Common SEverest Gr	309.45 Common SS&P 500 (L	Financials ReinsurancFinancials	2022
NYSE:EG Common SEverest Gr	309.45 Common SS&P 500 (L	Financials ReinsurancFinancials	2023
NYSE:EG Common SEverest Gr	309.45 Common SS&P 500 (L	Financials ReinsurancFinancials	2024
NasdaqGS:Common SEergy, Inc	76.94 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2020
NasdaqGS:Common SEergy, Inc	76.94 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2021
NasdaqGS:Common SEergy, Inc	76.94 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2022
NasdaqGS:Common SEergy, Inc	76.94 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2023
NasdaqGS:Common SEergy, Inc	76.94 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2024
NYSE:ES Common SEversource	73.81 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2020
NYSE:ES Common SEversource	73.81 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2021
NYSE:ES Common SEversource	73.81 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2022
NYSE:ES Common SEversource	73.81 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2023
NYSE:ES Common SEversource	73.81 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2024
NasdaqGS:Common SExelon Cor	47.2 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2020
NasdaqGS:Common SExelon Cor	47.2 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2021
NasdaqGS:Common SExelon Cor	47.2 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2022
NasdaqGS:Common SExelon Cor	47.2 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2023
NasdaqGS:Common SExelon Cor	47.2 Common SS&P 500 (L	Utilities Electric UtiUtilities (P	2024
NasdaqGS:Common SExpand En	100.41 Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2020
NasdaqGS:Common SExpand En	100.41 Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2021
NasdaqGS:Common SExpand En	100.41 Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2022
NasdaqGS:Common SExpand En	100.41 Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2023
NasdaqGS:Common SExpand En	100.41 Common SS&P 500 (L	Energy Oil and Ga:Energy (Pr	2024

NasdaqGS:Common SExpedia Gr	219.76 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2020
NasdaqGS:Common SExpedia Gr	219.76 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2021
NasdaqGS:Common SExpedia Gr	219.76 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2022
NasdaqGS:Common SExpedia Gr	219.76 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2023
NasdaqGS:Common SExpedia Gr	219.76 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2024
NYSE:EXPCCommon SExpeditors	117.57 Common SS&P 500 (LIndustrials Air Freight Industrials	2020
NYSE:EXPCCommon SExpeditors	117.57 Common SS&P 500 (LIndustrials Air Freight Industrials	2021
NYSE:EXPCCommon SExpeditors	117.57 Common SS&P 500 (LIndustrials Air Freight Industrials	2022
NYSE:EXPCCommon SExpeditors	117.57 Common SS&P 500 (LIndustrials Air Freight Industrials	2023
NYSE:EXPCCommon SExpeditors	117.57 Common SS&P 500 (LIndustrials Air Freight Industrials	2024
NYSE:EXR Common SExtra Space	141.76 Common SS&P 500 (LReal EstateSelf-StorageReal Estate	2020
NYSE:EXR Common SExtra Space	141.76 Common SS&P 500 (LReal EstateSelf-StorageReal Estate	2021
NYSE:EXR Common SExtra Space	141.76 Common SS&P 500 (LReal EstateSelf-StorageReal Estate	2022
NYSE:EXR Common SExtra Space	141.76 Common SS&P 500 (LReal EstateSelf-StorageReal Estate	2023
NYSE:EXR Common SExtra Space	141.76 Common SS&P 500 (LReal EstateSelf-StorageReal Estate	2024
NYSE:XOMCommon SExxon Mobil	116.45 Common SS&P 500 (LEnergy Integrated Energy (Pr	2020
NYSE:XOMCommon SExxon Mobil	116.45 Common SS&P 500 (LEnergy Integrated Energy (Pr	2021
NYSE:XOMCommon SExxon Mobil	116.45 Common SS&P 500 (LEnergy Integrated Energy (Pr	2022
NYSE:XOMCommon SExxon Mobil	116.45 Common SS&P 500 (LEnergy Integrated Energy (Pr	2023
NYSE:XOMCommon SExxon Mobil	116.45 Common SS&P 500 (LEnergy Integrated Energy (Pr	2024
NasdaqGS:Common SF5, Inc.	258.76 Common SS&P 500 (LInformatioCommunicatioInformatio	2020
NasdaqGS:Common SF5, Inc.	258.76 Common SS&P 500 (LInformatioCommunicatioInformatio	2021
NasdaqGS:Common SF5, Inc.	258.76 Common SS&P 500 (LInformatioCommunicatioInformatio	2022
NasdaqGS:Common SF5, Inc.	258.76 Common SS&P 500 (LInformatioCommunicatioInformatio	2023
NasdaqGS:Common SF5, Inc.	258.76 Common SS&P 500 (LInformatioCommunicatioInformatio	2024
NYSE:FDS Common SFactSet Re	266.89 Common SS&P 500 (LFinancials Financial Financials	2020
NYSE:FDS Common SFactSet Re	266.89 Common SS&P 500 (LFinancials Financial Financials	2021
NYSE:FDS Common SFactSet Re	266.89 Common SS&P 500 (LFinancials Financial Financials	2022
NYSE:FDS Common SFactSet Re	266.89 Common SS&P 500 (LFinancials Financial Financials	2023
NYSE:FDS Common SFactSet Re	266.89 Common SS&P 500 (LFinancials Financial Financials	2024
NYSE:FICO Common SFair Isaac	1566.9 Common SS&P 500 (LInformatioApplicatio Informatio	2020
NYSE:FICO Common SFair Isaac	1566.9 Common SS&P 500 (LInformatioApplicatio Informatio	2021
NYSE:FICO Common SFair Isaac	1566.9 Common SS&P 500 (LInformatioApplicatio Informatio	2022
NYSE:FICO Common SFair Isaac	1566.9 Common SS&P 500 (LInformatioApplicatio Informatio	2023
NYSE:FICO Common SFair Isaac	1566.9 Common SS&P 500 (LInformatioApplicatio Informatio	2024
NasdaqGS:Common SFastenal	41.09 Common SS&P 500 (LIndustrials Trading CoIndustrials	2020
NasdaqGS:Common SFastenal	41.09 Common SS&P 500 (LIndustrials Trading CoIndustrials	2021
NasdaqGS:Common SFastenal	41.09 Common SS&P 500 (LIndustrials Trading CoIndustrials	2022
NasdaqGS:Common SFastenal	41.09 Common SS&P 500 (LIndustrials Trading CoIndustrials	2023
NasdaqGS:Common SFastenal	41.09 Common SS&P 500 (LIndustrials Trading CoIndustrials	2024
NYSE:FDX Common SFedEx Corp	249.64 Common SS&P 500 (LIndustrials Air Freight Industrials	2020
NYSE:FDX Common SFedEx Corp	249.64 Common SS&P 500 (LIndustrials Air Freight Industrials	2021
NYSE:FDX Common SFedEx Corp	249.64 Common SS&P 500 (LIndustrials Air Freight Industrials	2022

NYSE:FDX	Common S	FedEx Corp	249.64	Common SS&P 500 (I	Industrials Air Freight Industrials	2023
NYSE:FDX	Common S	FedEx Corp	249.64	Common SS&P 500 (I	Industrials Air Freight Industrials	2024
NYSE:FRT	Common S	Federal Re	95.47	Common SS&P 500 (I	Real EstateRetail REITReal Estate	2020
NYSE:FRT	Common S	Federal Re	95.47	Common SS&P 500 (I	Real EstateRetail REITReal Estate	2021
NYSE:FRT	Common S	Federal Re	95.47	Common SS&P 500 (I	Real EstateRetail REITReal Estate	2022
NYSE:FRT	Common S	Federal Re	95.47	Common SS&P 500 (I	Real EstateRetail REITReal Estate	2023
NYSE:FRT	Common S	Federal Re	95.47	Common SS&P 500 (I	Real EstateRetail REITReal Estate	2024
NYSE:FIS	Common S	Fidelity Na	61.5	Common SS&P 500 (I	Financials Transactio Financials	2020
NYSE:FIS	Common S	Fidelity Na	61.5	Common SS&P 500 (I	Financials Transactio Financials	2021
NYSE:FIS	Common S	Fidelity Na	61.5	Common SS&P 500 (I	Financials Transactio Financials	2022
NYSE:FIS	Common S	Fidelity Na	61.5	Common SS&P 500 (I	Financials Transactio Financials	2023
NYSE:FIS	Common S	Fidelity Na	61.5	Common SS&P 500 (I	Financials Transactio Financials	2024
NasdaqGS:Common S	Fifth Third		41.77	Common SS&P 500 (I	Financials DiversifiedFinancials	2020
NasdaqGS:Common S	Fifth Third		41.77	Common SS&P 500 (I	Financials DiversifiedFinancials	2021
NasdaqGS:Common S	Fifth Third		41.77	Common SS&P 500 (I	Financials DiversifiedFinancials	2022
NasdaqGS:Common S	Fifth Third		41.77	Common SS&P 500 (I	Financials DiversifiedFinancials	2023
NasdaqGS:Common S	Fifth Third		41.77	Common SS&P 500 (I	Financials DiversifiedFinancials	2024
NasdaqGS:Common S	First Solar,		241.71	Common SS&P 500 (I	InformatioSemiconduInformatio	2020
NasdaqGS:Common S	First Solar,		241.71	Common SS&P 500 (I	InformatioSemiconduInformatio	2021
NasdaqGS:Common S	First Solar,		241.71	Common SS&P 500 (I	InformatioSemiconduInformatio	2022
NasdaqGS:Common S	First Solar,		241.71	Common SS&P 500 (I	InformatioSemiconduInformatio	2023
NasdaqGS:Common S	First Solar,		241.71	Common SS&P 500 (I	InformatioSemiconduInformatio	2024
NYSE:FE	Common S	FirstEnergy	45.8	Common SS&P 500 (I	Utilities Electric UtiUtilities (P	2020
NYSE:FE	Common S	FirstEnergy	45.8	Common SS&P 500 (I	Utilities Electric UtiUtilities (P	2021
NYSE:FE	Common S	FirstEnergy	45.8	Common SS&P 500 (I	Utilities Electric UtiUtilities (P	2022
NYSE:FE	Common S	FirstEnergy	45.8	Common SS&P 500 (I	Utilities Electric UtiUtilities (P	2023
NYSE:FE	Common S	FirstEnergy	45.8	Common SS&P 500 (I	Utilities Electric UtiUtilities (P	2024
NYSE:FI	Common S	Fiserv, Inc.	70.6	Common SS&P 500 (I	Financials Transactio Financials	2020
NYSE:FI	Common S	Fiserv, Inc.	70.6	Common SS&P 500 (I	Financials Transactio Financials	2021
NYSE:FI	Common S	Fiserv, Inc.	70.6	Common SS&P 500 (I	Financials Transactio Financials	2022
NYSE:FI	Common S	Fiserv, Inc.	70.6	Common SS&P 500 (I	Financials Transactio Financials	2023
NYSE:FI	Common S	Fiserv, Inc.	70.6	Common SS&P 500 (I	Financials Transactio Financials	2024
NYSE:F	Common S	Ford Moto	13.24	Common SS&P 500 (I	Consumer Automobil Consumer	2020
NYSE:F	Common S	Ford Moto	13.24	Common SS&P 500 (I	Consumer Automobil Consumer	2021
NYSE:F	Common S	Ford Moto	13.24	Common SS&P 500 (I	Consumer Automobil Consumer	2022
NYSE:F	Common S	Ford Moto	13.24	Common SS&P 500 (I	Consumer Automobil Consumer	2023
NYSE:F	Common S	Ford Moto	13.24	Common SS&P 500 (I	Consumer Automobil Consumer	2024
NasdaqGS:Common S	Fortinet, Ir		84.22	Common SS&P 500 (I	InformatioSystems ScInformatio	2020
NasdaqGS:Common S	Fortinet, Ir		84.22	Common SS&P 500 (I	InformatioSystems ScInformatio	2021
NasdaqGS:Common S	Fortinet, Ir		84.22	Common SS&P 500 (I	InformatioSystems ScInformatio	2022
NasdaqGS:Common S	Fortinet, Ir		84.22	Common SS&P 500 (I	InformatioSystems ScInformatio	2023
NasdaqGS:Common S	Fortinet, Ir		84.22	Common SS&P 500 (I	InformatioSystems ScInformatio	2024
NYSE:FTV	Common S	Fortive Co	50.34	Common SS&P 500 (I	Industrials Industrial Industrials	2020

NYSE:FTV Common SFortive Co	50.34 Common SS&P 500 (L	Industrials Industrial	Industrials	2021
NYSE:FTV Common SFortive Co	50.34 Common SS&P 500 (L	Industrials Industrial	Industrials	2022
NYSE:FTV Common SFortive Co	50.34 Common SS&P 500 (L	Industrials Industrial	Industrials	2023
NYSE:FTV Common SFortive Co	50.34 Common SS&P 500 (L	Industrials Industrial	Industrials	2024
NasdaqGS:Class B Co Fox Corpor	54.35 Common SS&P 500 (L	CommunicBroadcasti	Communic	2020
NasdaqGS:Class A Co Fox Corpor	60.81 Common SS&P 500 (L	CommunicBroadcasti	Communic	2020
NasdaqGS:Class B Co Fox Corpor	54.35 Common SS&P 500 (L	CommunicBroadcasti	Communic	2021
NasdaqGS:Class A Co Fox Corpor	60.81 Common SS&P 500 (L	CommunicBroadcasti	Communic	2021
NasdaqGS:Class B Co Fox Corpor	54.35 Common SS&P 500 (L	CommunicBroadcasti	Communic	2022
NasdaqGS:Class A Co Fox Corpor	60.81 Common SS&P 500 (L	CommunicBroadcasti	Communic	2022
NasdaqGS:Class B Co Fox Corpor	54.35 Common SS&P 500 (L	CommunicBroadcasti	Communic	2023
NasdaqGS:Class A Co Fox Corpor	60.81 Common SS&P 500 (L	CommunicBroadcasti	Communic	2023
NasdaqGS:Class B Co Fox Corpor	54.35 Common SS&P 500 (L	CommunicBroadcasti	Communic	2024
NasdaqGS:Class A Co Fox Corpor	60.81 Common SS&P 500 (L	CommunicBroadcasti	Communic	2024
NYSE:BEN Common SFranklin Re	22.94 Common SS&P 500 (L	Financials Asset Man	Financials	2020
NYSE:BEN Common SFranklin Re	22.94 Common SS&P 500 (L	Financials Asset Man	Financials	2021
NYSE:BEN Common SFranklin Re	22.94 Common SS&P 500 (L	Financials Asset Man	Financials	2022
NYSE:BEN Common SFranklin Re	22.94 Common SS&P 500 (L	Financials Asset Man	Financials	2023
NYSE:BEN Common SFranklin Re	22.94 Common SS&P 500 (L	Financials Asset Man	Financials	2024
NYSE:FCX Class B Co Freeport-M	42.19 Common SS&P 500 (L	Materials Copper	Materials (	2020
NYSE:FCX Class B Co Freeport-M	42.19 Common SS&P 500 (L	Materials Copper	Materials (	2021
NYSE:FCX Class B Co Freeport-M	42.19 Common SS&P 500 (L	Materials Copper	Materials (	2022
NYSE:FCX Class B Co Freeport-M	42.19 Common SS&P 500 (L	Materials Copper	Materials (	2023
NYSE:FCX Class B Co Freeport-M	42.19 Common SS&P 500 (L	Materials Copper	Materials (	2024
NasdaqGS:Common SGE HealthC	77.38 Common SS&P 500 (L	Health Car Health Car	Health Car	2020
NasdaqGS:Common SGE HealthC	77.38 Common SS&P 500 (L	Health Car Health Car	Health Car	2021
NasdaqGS:Common SGE HealthC	77.38 Common SS&P 500 (L	Health Car Health Car	Health Car	2022
NasdaqGS:Common SGE HealthC	77.38 Common SS&P 500 (L	Health Car Health Car	Health Car	2023
NasdaqGS:Common SGE HealthC	77.38 Common SS&P 500 (L	Health Car Health Car	Health Car	2024
NYSE:GEV Common SGE Vernov	577.97 Common SS&P 500 (L	Industrials Heavy Elec	Industrials	2020
NYSE:GEV Common SGE Vernov	577.97 Common SS&P 500 (L	Industrials Heavy Elec	Industrials	2021
NYSE:GEV Common SGE Vernov	577.97 Common SS&P 500 (L	Industrials Heavy Elec	Industrials	2022
NYSE:GEV Common SGE Vernov	577.97 Common SS&P 500 (L	Industrials Heavy Elec	Industrials	2023
NYSE:GEV Common SGE Vernov	577.97 Common SS&P 500 (L	Industrials Heavy Elec	Industrials	2024
NYSE:GRMCommon SGarmin Ltc	219.61 Common SS&P 500 (L	Consumer Consumer	Consumer	2020
NYSE:GRMCommon SGarmin Ltc	219.61 Common SS&P 500 (L	Consumer Consumer	Consumer	2021
NYSE:GRMCommon SGarmin Ltc	219.61 Common SS&P 500 (L	Consumer Consumer	Consumer	2022
NYSE:GRMCommon SGarmin Ltc	219.61 Common SS&P 500 (L	Consumer Consumer	Consumer	2023
NYSE:GRMCommon SGarmin Ltc	219.61 Common SS&P 500 (L	Consumer Consumer	Consumer	2024
NYSE:IT Common SGartner, In	249.74 Common SS&P 500 (L	InformatioIT Consulti	Informatio	2020
NYSE:IT Common SGartner, In	249.74 Common SS&P 500 (L	InformatioIT Consulti	Informatio	2021
NYSE:IT Common SGartner, In	249.74 Common SS&P 500 (L	InformatioIT Consulti	Informatio	2022
NYSE:IT Common SGartner, In	249.74 Common SS&P 500 (L	InformatioIT Consulti	Informatio	2023

NYSE:IT	Common S	Gartner, In	249.74	Common SS&P 500 (I	InformatioIT Consulti	Informatio	2024
NasdaqGS:	Common S	Gen Digita	25.85	Common SS&P 500 (I	InformatioSystems Sc	Informatio	2020
NasdaqGS:	Common S	Gen Digita	25.85	Common SS&P 500 (I	InformatioSystems Sc	Informatio	2021
NasdaqGS:	Common S	Gen Digita	25.85	Common SS&P 500 (I	InformatioSystems Sc	Informatio	2022
NasdaqGS:	Common S	Gen Digita	25.85	Common SS&P 500 (I	InformatioSystems Sc	Informatio	2023
NasdaqGS:	Common S	Gen Digita	25.85	Common SS&P 500 (I	InformatioSystems Sc	Informatio	2024
NYSE:GNRI	Common S	Generac H	180.86	Common SS&P 500 (I	ndustrials Electrical	Industrials	2020
NYSE:GNRI	Common S	Generac H	180.86	Common SS&P 500 (I	ndustrials Electrical	Industrials	2021
NYSE:GNRI	Common S	Generac H	180.86	Common SS&P 500 (I	ndustrials Electrical	Industrials	2022
NYSE:GNRI	Common S	Generac H	180.86	Common SS&P 500 (I	ndustrials Electrical	Industrials	2023
NYSE:GNRI	Common S	Generac H	180.86	Common SS&P 500 (I	ndustrials Electrical	Industrials	2024
NYSE:GD	Common S	General D	343.48	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2020
NYSE:GD	Common S	General D	343.48	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2021
NYSE:GD	Common S	General D	343.48	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2022
NYSE:GD	Common S	General D	343.48	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2023
NYSE:GD	Common S	General D	343.48	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2024
NYSE:GE	Common S	General EI	314.28	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2020
NYSE:GE	Common S	General EI	314.28	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2021
NYSE:GE	Common S	General EI	314.28	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2022
NYSE:GE	Common S	General EI	314.28	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2023
NYSE:GE	Common S	General EI	314.28	Common SS&P 500 (I	ndustrials Aerospace	Industrials	2024
NYSE:GIS	Common S	General M	46.57	Common SS&P 500 (I	Consumer Packaged I	Consumer	2020
NYSE:GIS	Common S	General M	46.57	Common SS&P 500 (I	Consumer Packaged I	Consumer	2021
NYSE:GIS	Common S	General M	46.57	Common SS&P 500 (I	Consumer Packaged I	Consumer	2022
NYSE:GIS	Common S	General M	46.57	Common SS&P 500 (I	Consumer Packaged I	Consumer	2023
NYSE:GIS	Common S	General M	46.57	Common SS&P 500 (I	Consumer Packaged I	Consumer	2024
NYSE:GM	Common S	General M	69.13	Common SS&P 500 (I	Consumer Automobil	Consumer	2020
NYSE:GM	Common S	General M	69.13	Common SS&P 500 (I	Consumer Automobil	Consumer	2021
NYSE:GM	Common S	General M	69.13	Common SS&P 500 (I	Consumer Automobil	Consumer	2022
NYSE:GM	Common S	General M	69.13	Common SS&P 500 (I	Consumer Automobil	Consumer	2023
NYSE:GM	Common S	General M	69.13	Common SS&P 500 (I	Consumer Automobil	Consumer	2024
NYSE:GPC	Common S	Genuine P	129.15	Common SS&P 500 (I	Consumer Distributor	Consumer	2020
NYSE:GPC	Common S	Genuine P	129.15	Common SS&P 500 (I	Consumer Distributor	Consumer	2021
NYSE:GPC	Common S	Genuine P	129.15	Common SS&P 500 (I	Consumer Distributor	Consumer	2022
NYSE:GPC	Common S	Genuine P	129.15	Common SS&P 500 (I	Consumer Distributor	Consumer	2023
NYSE:GPC	Common S	Genuine P	129.15	Common SS&P 500 (I	Consumer Distributor	Consumer	2024
NasdaqGS:	Common S	Gilead Scie	118.5	Common SS&P 500 (I	Health Car Biotechnol	Health Car	2020
NasdaqGS:	Common S	Gilead Scie	118.5	Common SS&P 500 (I	Health Car Biotechnol	Health Car	2021
NasdaqGS:	Common S	Gilead Scie	118.5	Common SS&P 500 (I	Health Car Biotechnol	Health Car	2022
NasdaqGS:	Common S	Gilead Scie	118.5	Common SS&P 500 (I	Health Car Biotechnol	Health Car	2023
NasdaqGS:	Common S	Gilead Scie	118.5	Common SS&P 500 (I	Health Car Biotechnol	Health Car	2024
NYSE:GPN	Common S	Global Pay	79.21	Common SS&P 500 (I	Financials Transactio	Financials	2020
NYSE:GPN	Common S	Global Pay	79.21	Common SS&P 500 (I	Financials Transactio	Financials	2021

NYSE:GPN Common SGlobal Pay	79.21 Common SS&P 500 (LFinancials Transactio Financials	2022
NYSE:GPN Common SGlobal Pay	79.21 Common SS&P 500 (LFinancials Transactio Financials	2023
NYSE:GPN Common SGlobal Pay	79.21 Common SS&P 500 (LFinancials Transactio Financials	2024
NYSE:GL Common SGlobe Life	131.73 Common SS&P 500 (LFinancials Life and HcFinancials	2020
NYSE:GL Common SGlobe Life	131.73 Common SS&P 500 (LFinancials Life and HcFinancials	2021
NYSE:GL Common SGlobe Life	131.73 Common SS&P 500 (LFinancials Life and HcFinancials	2022
NYSE:GL Common SGlobe Life	131.73 Common SS&P 500 (LFinancials Life and HcFinancials	2023
NYSE:GL Common SGlobe Life	131.73 Common SS&P 500 (LFinancials Life and HcFinancials	2024
NYSE:GDD'Class A Co GoDaddy I	126.57 Common SS&P 500 (LInformatioInternet ScInformatio	2020
NYSE:GDD'Class A Co GoDaddy I	126.57 Common SS&P 500 (LInformatioInternet ScInformatio	2021
NYSE:GDD'Class A Co GoDaddy I	126.57 Common SS&P 500 (LInformatioInternet ScInformatio	2022
NYSE:GDD'Class A Co GoDaddy I	126.57 Common SS&P 500 (LInformatioInternet ScInformatio	2023
NYSE:GDD'Class A Co GoDaddy I	126.57 Common SS&P 500 (LInformatioInternet ScInformatio	2024
NYSE:HCA Common SHCA Healtl	468.4 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NYSE:HCA Common SHCA Healtl	468.4 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NYSE:HCA Common SHCA Healtl	468.4 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NYSE:HCA Common SHCA Healtl	468.4 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NYSE:HCA Common SHCA Healtl	468.4 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:HPQ Common SHP Inc.	27.7 Common SS&P 500 (LInformatioTechnologInformatio	2020
NYSE:HPQ Common SHP Inc.	27.7 Common SS&P 500 (LInformatioTechnologInformatio	2021
NYSE:HPQ Common SHP Inc.	27.7 Common SS&P 500 (LInformatioTechnologInformatio	2022
NYSE:HPQ Common SHP Inc.	27.7 Common SS&P 500 (LInformatioTechnologInformatio	2023
NYSE:HPQ Common SHP Inc.	27.7 Common SS&P 500 (LInformatioTechnologInformatio	2024
NYSE:HAL Common SHalliburto	27.48 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2020
NYSE:HAL Common SHalliburto	27.48 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2021
NYSE:HAL Common SHalliburto	27.48 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2022
NYSE:HAL Common SHalliburto	27.48 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2023
NYSE:HAL Common SHalliburto	27.48 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2024
NasdaqGS:Common SHasbro, In	77.96 Common SS&P 500 (LConsumer Leisure Pr Consumer	2020
NasdaqGS:Common SHasbro, In	77.96 Common SS&P 500 (LConsumer Leisure Pr Consumer	2021
NasdaqGS:Common SHasbro, In	77.96 Common SS&P 500 (LConsumer Leisure Pr Consumer	2022
NasdaqGS:Common SHasbro, In	77.96 Common SS&P 500 (LConsumer Leisure Pr Consumer	2023
NasdaqGS:Common SHasbro, In	77.96 Common SS&P 500 (LConsumer Leisure Pr Consumer	2024
NYSE:DOC Common SHealthpeal	17.58 Common SS&P 500 (LReal EstateHealth Car Real Estate	2020
NYSE:DOC Common SHealthpeal	17.58 Common SS&P 500 (LReal EstateHealth Car Real Estate	2021
NYSE:DOC Common SHealthpeal	17.58 Common SS&P 500 (LReal EstateHealth Car Real Estate	2022
NYSE:DOC Common SHealthpeal	17.58 Common SS&P 500 (LReal EstateHealth Car Real Estate	2023
NYSE:DOC Common SHealthpeal	17.58 Common SS&P 500 (LReal EstateHealth Car Real Estate	2024
NasdaqGS:Common SHenry Sche	62.32 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NasdaqGS:Common SHenry Sche	62.32 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NasdaqGS:Common SHenry Sche	62.32 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NasdaqGS:Common SHenry Sche	62.32 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NasdaqGS:Common SHenry Sche	62.32 Common SS&P 500 (LHealth Car Health Car Health Car	2024



NYSE:HPE Common SHewlett Pa	24.27 Common SS&P 500 (LInformatioTechnologInformatio	2020
NYSE:HPE Common SHewlett Pa	24.27 Common SS&P 500 (LInformatioTechnologInformatio	2021
NYSE:HPE Common SHewlett Pa	24.27 Common SS&P 500 (LInformatioTechnologInformatio	2022
NYSE:HPE Common SHewlett Pa	24.27 Common SS&P 500 (LInformatioTechnologInformatio	2023
NYSE:HPE Common SHewlett Pa	24.27 Common SS&P 500 (LInformatioTechnologInformatio	2024
NYSE:HLT Common SHilton Wor	260.39 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2020
NYSE:HLT Common SHilton Wor	260.39 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2021
NYSE:HLT Common SHilton Wor	260.39 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2022
NYSE:HLT Common SHilton Wor	260.39 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2023
NYSE:HLT Common SHilton Wor	260.39 Common SS&P 500 (LConsumer Hotels, Re:Consumer	2024
NasdaqGS:Common SHologic, In	73.98 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NasdaqGS:Common SHologic, In	73.98 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NasdaqGS:Common SHologic, In	73.98 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NasdaqGS:Common SHologic, In	73.98 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NasdaqGS:Common SHologic, In	73.98 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NasdaqGS Common SHoneywell	212.89 Common SS&P 500 (LIndustrials Industrial Industrials	2020
NasdaqGS Common SHoneywell	212.89 Common SS&P 500 (LIndustrials Industrial Industrials	2021
NasdaqGS Common SHoneywell	212.89 Common SS&P 500 (LIndustrials Industrial Industrials	2022
NasdaqGS Common SHoneywell	212.89 Common SS&P 500 (LIndustrials Industrial Industrials	2023
NasdaqGS Common SHoneywell	212.89 Common SS&P 500 (LIndustrials Industrial Industrials	2024
NYSE:HRL Common SHormel Fo	21.49 Common SS&P 500 (LConsumer Packaged IConsumer	2020
NYSE:HRL Common SHormel Fo	21.49 Common SS&P 500 (LConsumer Packaged IConsumer	2021
NYSE:HRL Common SHormel Fo	21.49 Common SS&P 500 (LConsumer Packaged IConsumer	2022
NYSE:HRL Common SHormel Fo	21.49 Common SS&P 500 (LConsumer Packaged IConsumer	2023
NYSE:HRL Common SHormel Fo	21.49 Common SS&P 500 (LConsumer Packaged IConsumer	2024
NasdaqGS:Common SHost Hotel	16.31 Common SS&P 500 (LReal EstateHotel and Real Estate	2020
NasdaqGS:Common SHost Hotel	16.31 Common SS&P 500 (LReal EstateHotel and Real Estate	2021
NasdaqGS:Common SHost Hotel	16.31 Common SS&P 500 (LReal EstateHotel and Real Estate	2022
NasdaqGS:Common SHost Hotel	16.31 Common SS&P 500 (LReal EstateHotel and Real Estate	2023
NasdaqGS:Common SHost Hotel	16.31 Common SS&P 500 (LReal EstateHotel and Real Estate	2024
NYSE:HW\Common SHowmet A	203.48 Common SS&P 500 (LIndustrials Aerospace Industrials	2020
NYSE:HW\Common SHowmet A	203.48 Common SS&P 500 (LIndustrials Aerospace Industrials	2021
NYSE:HW\Common SHowmet A	203.48 Common SS&P 500 (LIndustrials Aerospace Industrials	2022
NYSE:HW\Common SHowmet A	203.48 Common SS&P 500 (LIndustrials Aerospace Industrials	2023
NYSE:HW\Common SHowmet A	203.48 Common SS&P 500 (LIndustrials Aerospace Industrials	2024
NYSE:HUBICommon SHubbell In	472.57 Common SS&P 500 (LIndustrials Electrical Industrials	2020
NYSE:HUBICommon SHubbell In	472.57 Common SS&P 500 (LIndustrials Electrical Industrials	2021
NYSE:HUBICommon SHubbell In	472.57 Common SS&P 500 (LIndustrials Electrical Industrials	2022
NYSE:HUBICommon SHubbell In	472.57 Common SS&P 500 (LIndustrials Electrical Industrials	2023
NYSE:HUBICommon SHubbell In	472.57 Common SS&P 500 (LIndustrials Electrical Industrials	2024
NYSE:HUMCommon SHumana In	292.67 Common SS&P 500 (LHealth Car Managed IHealth Car	2020
NYSE:HUMCommon SHumana In	292.67 Common SS&P 500 (LHealth Car Managed IHealth Car	2021
NYSE:HUMCommon SHumana In	292.67 Common SS&P 500 (LHealth Car Managed IHealth Car	2022

NYSE:HUMCommon SHumana In	292.67 Common SS&P 500 (LHealth CarManaged IHealth Car	2023
NYSE:HUMCommon SHumana In	292.67 Common SS&P 500 (LHealth CarManaged IHealth Car	2024
NasdaqGS:Common SHuntingtor	15.16 Common SS&P 500 (LFinancials Regional BFinancials	2020
NasdaqGS:Common SHuntingtor	15.16 Common SS&P 500 (LFinancials Regional BFinancials	2021
NasdaqGS:Common SHuntingtor	15.16 Common SS&P 500 (LFinancials Regional BFinancials	2022
NasdaqGS:Common SHuntingtor	15.16 Common SS&P 500 (LFinancials Regional BFinancials	2023
NasdaqGS:Common SHuntingtor	15.16 Common SS&P 500 (LFinancials Regional BFinancials	2024
NYSE:HII New ComrHuntingtor	298.42 Common SS&P 500 (LIndustrials Aerospace Industrials	2020
NYSE:HII New ComrHuntingtor	298.42 Common SS&P 500 (LIndustrials Aerospace Industrials	2021
NYSE:HII New ComrHuntingtor	298.42 Common SS&P 500 (LIndustrials Aerospace Industrials	2022
NYSE:HII New ComrHuntingtor	298.42 Common SS&P 500 (LIndustrials Aerospace Industrials	2023
NYSE:HII New ComrHuntingtor	298.42 Common SS&P 500 (LIndustrials Aerospace Industrials	2024
NYSE:IEX Common SIDEX Corp	173.4 Common SS&P 500 (LIndustrials Industrial Industrials	2020
NYSE:IEX Common SIDEX Corp	173.4 Common SS&P 500 (LIndustrials Industrial Industrials	2021
NYSE:IEX Common SIDEX Corp	173.4 Common SS&P 500 (LIndustrials Industrial Industrials	2022
NYSE:IEX Common SIDEX Corp	173.4 Common SS&P 500 (LIndustrials Industrial Industrials	2023
NYSE:IEX Common SIDEX Corp	173.4 Common SS&P 500 (LIndustrials Industrial Industrials	2024
NasdaqGS:Common SIDEXX Lab	627.66 Common SS&P 500 (LHealth CarHealth CarHealth Car	2020
NasdaqGS:Common SIDEXX Lab	627.66 Common SS&P 500 (LHealth CarHealth CarHealth Car	2021
NasdaqGS:Common SIDEXX Lab	627.66 Common SS&P 500 (LHealth CarHealth CarHealth Car	2022
NasdaqGS:Common SIDEXX Lab	627.66 Common SS&P 500 (LHealth CarHealth CarHealth Car	2023
NasdaqGS:Common SIDEXX Lab	627.66 Common SS&P 500 (LHealth CarHealth CarHealth Car	2024
NYSE:IQV Common SIQVIA Holc	217.83 Common SS&P 500 (LHealth CarLife SciencHealth Car	2020
NYSE:IQV Common SIQVIA Holc	217.83 Common SS&P 500 (LHealth CarLife SciencHealth Car	2021
NYSE:IQV Common SIQVIA Holc	217.83 Common SS&P 500 (LHealth CarLife SciencHealth Car	2022
NYSE:IQV Common SIQVIA Holc	217.83 Common SS&P 500 (LHealth CarLife SciencHealth Car	2023
NYSE:IQV Common SIQVIA Holc	217.83 Common SS&P 500 (LHealth CarLife SciencHealth Car	2024
NYSE:ITW Common Sillinois Too	242.03 Common SS&P 500 (LIndustrials Industrial Industrials	2020
NYSE:ITW Common Sillinois Too	242.03 Common SS&P 500 (LIndustrials Industrial Industrials	2021
NYSE:ITW Common Sillinois Too	242.03 Common SS&P 500 (LIndustrials Industrial Industrials	2022
NYSE:ITW Common Sillinois Too	242.03 Common SS&P 500 (LIndustrials Industrial Industrials	2023
NYSE:ITW Common Sillinois Too	242.03 Common SS&P 500 (LIndustrials Industrial Industrials	2024
NasdaqGS:Common SIncyte Cor	90.18 Common SS&P 500 (LHealth CarBiotechnolHealth Car	2020
NasdaqGS:Common SIncyte Cor	90.18 Common SS&P 500 (LHealth CarBiotechnolHealth Car	2021
NasdaqGS:Common SIncyte Cor	90.18 Common SS&P 500 (LHealth CarBiotechnolHealth Car	2022
NasdaqGS:Common SIncyte Cor	90.18 Common SS&P 500 (LHealth CarBiotechnolHealth Car	2023
NasdaqGS:Common SIncyte Cor	90.18 Common SS&P 500 (LHealth CarBiotechnolHealth Car	2024
NYSE:IR Common SIngersoll R	79.7 Common SS&P 500 (LIndustrials Industrial Industrials	2020
NYSE:IR Common SIngersoll R	79.7 Common SS&P 500 (LIndustrials Industrial Industrials	2021
NYSE:IR Common SIngersoll R	79.7 Common SS&P 500 (LIndustrials Industrial Industrials	2022
NYSE:IR Common SIngersoll R	79.7 Common SS&P 500 (LIndustrials Industrial Industrials	2023
NYSE:IR Common SIngersoll R	79.7 Common SS&P 500 (LIndustrials Industrial Industrials	2024
NasdaqGS Common SInsulet Cor	316.17 Common SS&P 500 (LHealth CarHealth CarHealth Car	2020

NasdaqGS:Common SInsulet Cor	316.17	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2021
NasdaqGS:Common SInsulet Cor	316.17	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2022
NasdaqGS:Common SInsulet Cor	316.17	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2023
NasdaqGS:Common SInsulet Cor	316.17	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2024
NasdaqGS:Common SIntel Corp	41.34	Common	SS&P 500 (LInformatio	Semicondu	Informatio		2020
NasdaqGS:Common SIntel Corp	41.34	Common	SS&P 500 (LInformatio	Semicondu	Informatio		2021
NasdaqGS:Common SIntel Corp	41.34	Common	SS&P 500 (LInformatio	Semicondu	Informatio		2022
NasdaqGS:Common SIntel Corp	41.34	Common	SS&P 500 (LInformatio	Semicondu	Informatio		2023
NasdaqGS:Common SIntel Corp	41.34	Common	SS&P 500 (LInformatio	Semicondu	Informatio		2024
NasdaqGS:Class A Co Interactive	69.19	Common	SS&P 500 (LFinancials	Investmen	Financials		2020
NasdaqGS:Class A Co Interactive	69.19	Common	SS&P 500 (LFinancials	Investmen	Financials		2021
NasdaqGS:Class A Co Interactive	69.19	Common	SS&P 500 (LFinancials	Investmen	Financials		2022
NasdaqGS:Class A Co Interactive	69.19	Common	SS&P 500 (LFinancials	Investmen	Financials		2023
NasdaqGS:Class A Co Interactive	69.19	Common	SS&P 500 (LFinancials	Investmen	Financials		2024
NYSE:ICE Common SIntercontir	150.62	Common	SS&P 500 (LFinancials	Financial	Financials		2020
NYSE:ICE Common SIntercontir	150.62	Common	SS&P 500 (LFinancials	Financial	Financials		2021
NYSE:ICE Common SIntercontir	150.62	Common	SS&P 500 (LFinancials	Financial	Financials		2022
NYSE:ICE Common SIntercontir	150.62	Common	SS&P 500 (LFinancials	Financial	Financials		2023
NYSE:ICE Common SIntercontir	150.62	Common	SS&P 500 (LFinancials	Financial	Financials		2024
NYSE:IBM Common SInternatio	308.21	Common	SS&P 500 (LInformatio	IT Consulti	Informatio		2020
NYSE:IBM Common SInternatio	308.21	Common	SS&P 500 (LInformatio	IT Consulti	Informatio		2021
NYSE:IBM Common SInternatio	308.21	Common	SS&P 500 (LInformatio	IT Consulti	Informatio		2022
NYSE:IBM Common SInternatio	308.21	Common	SS&P 500 (LInformatio	IT Consulti	Informatio		2023
NYSE:IBM Common SInternatio	308.21	Common	SS&P 500 (LInformatio	IT Consulti	Informatio		2024
NYSE:IFF Common SInternatio	63.28	Common	SS&P 500 (LMaterials	Specialty C	Materials (		2020
NYSE:IFF Common SInternatio	63.28	Common	SS&P 500 (LMaterials	Specialty C	Materials (		2021
NYSE:IFF Common SInternatio	63.28	Common	SS&P 500 (LMaterials	Specialty C	Materials (		2022
NYSE:IFF Common SInternatio	63.28	Common	SS&P 500 (LMaterials	Specialty C	Materials (		2023
NYSE:IFF Common SInternatio	63.28	Common	SS&P 500 (LMaterials	Specialty C	Materials (		2024
NYSE:IP Common SInternatio	44.23	Common	SS&P 500 (LMaterials	Paper and	Materials (		2020
NYSE:IP Common SInternatio	44.23	Common	SS&P 500 (LMaterials	Paper and	Materials (		2021
NYSE:IP Common SInternatio	44.23	Common	SS&P 500 (LMaterials	Paper and	Materials (		2022
NYSE:IP Common SInternatio	44.23	Common	SS&P 500 (LMaterials	Paper and	Materials (		2023
NYSE:IP Common SInternatio	44.23	Common	SS&P 500 (LMaterials	Paper and	Materials (		2024
NasdaqGS:Common SIntuit Inc.	656.04	Common	SS&P 500 (LInformatio	Applicatio	Informatio		2020
NasdaqGS:Common SIntuit Inc.	656.04	Common	SS&P 500 (LInformatio	Applicatio	Informatio		2021
NasdaqGS:Common SIntuit Inc.	656.04	Common	SS&P 500 (LInformatio	Applicatio	Informatio		2022
NasdaqGS:Common SIntuit Inc.	656.04	Common	SS&P 500 (LInformatio	Applicatio	Informatio		2023
NasdaqGS:Common SIntuit Inc.	656.04	Common	SS&P 500 (LInformatio	Applicatio	Informatio		2024
NasdaqGS:Common SIntuitive St	537.59	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2020
NasdaqGS:Common SIntuitive St	537.59	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2021
NasdaqGS:Common SIntuitive St	537.59	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2022
NasdaqGS:Common SIntuitive St	537.59	Common	SS&P 500 (LHealth Car	Health Car	Health Car	Health Car	2023

NasdaqGS:Common SIntuitive St	537.59 Common SS&P 500 (LHealth CarHealth CarHealth Car	2024
NYSE:IVZ Common SInvesco Ltc	24.1 Common SS&P 500 (LFinancials Asset ManFinancials	2020
NYSE:IVZ Common SInvesco Ltc	24.1 Common SS&P 500 (LFinancials Asset ManFinancials	2021
NYSE:IVZ Common SInvesco Ltc	24.1 Common SS&P 500 (LFinancials Asset ManFinancials	2022
NYSE:IVZ Common SInvesco Ltc	24.1 Common SS&P 500 (LFinancials Asset ManFinancials	2023
NYSE:IVZ Common SInvesco Ltc	24.1 Common SS&P 500 (LFinancials Asset ManFinancials	2024
NYSE:INVHCommon SInvitation	27.47 Common SS&P 500 (LReal EstateSingle-FamReal Estate	2020
NYSE:INVHCommon SInvitation	27.47 Common SS&P 500 (LReal EstateSingle-FamReal Estate	2021
NYSE:INVHCommon SInvitation	27.47 Common SS&P 500 (LReal EstateSingle-FamReal Estate	2022
NYSE:INVHCommon SInvitation	27.47 Common SS&P 500 (LReal EstateSingle-FamReal Estate	2023
NYSE:INVHCommon SInvitation	27.47 Common SS&P 500 (LReal EstateSingle-FamReal Estate	2024
NYSE:IRM Common SIron Moun	101.34 Common SS&P 500 (LReal EstateOther SpecReal Estate	2020
NYSE:IRM Common SIron Moun	101.34 Common SS&P 500 (LReal EstateOther SpecReal Estate	2021
NYSE:IRM Common SIron Moun	101.34 Common SS&P 500 (LReal EstateOther SpecReal Estate	2022
NYSE:IRM Common SIron Moun	101.34 Common SS&P 500 (LReal EstateOther SpecReal Estate	2023
NYSE:IRM Common SIron Moun	101.34 Common SS&P 500 (LReal EstateOther SpecReal Estate	2024
NasdaqGS:Common S.J.B. Hunt T	168.88 Common SS&P 500 (LIndustrials Cargo GroIndustrials	2020
NasdaqGS:Common S.J.B. Hunt T	168.88 Common SS&P 500 (LIndustrials Cargo GroIndustrials	2021
NasdaqGS:Common S.J.B. Hunt T	168.88 Common SS&P 500 (LIndustrials Cargo GroIndustrials	2022
NasdaqGS:Common S.J.B. Hunt T	168.88 Common SS&P 500 (LIndustrials Cargo GroIndustrials	2023
NasdaqGS:Common S.J.B. Hunt T	168.88 Common SS&P 500 (LIndustrials Cargo GroIndustrials	2024
NYSE:JPM Common SJPMorgan	305.51 Common SS&P 500 (LFinancials DiversifiedFinancials	2020
NYSE:JPM Common SJPMorgan	305.51 Common SS&P 500 (LFinancials DiversifiedFinancials	2021
NYSE:JPM Common SJPMorgan	305.51 Common SS&P 500 (LFinancials DiversifiedFinancials	2022
NYSE:JPM Common SJPMorgan	305.51 Common SS&P 500 (LFinancials DiversifiedFinancials	2023
NYSE:JPM Common SJPMorgan	305.51 Common SS&P 500 (LFinancials DiversifiedFinancials	2024
NYSE:JBL Common SJabil Inc.	222.32 Common SS&P 500 (LInformatioElectronic Informatio	2020
NYSE:JBL Common SJabil Inc.	222.32 Common SS&P 500 (LInformatioElectronic Informatio	2021
NYSE:JBL Common SJabil Inc.	222.32 Common SS&P 500 (LInformatioElectronic Informatio	2022
NYSE:JBL Common SJabil Inc.	222.32 Common SS&P 500 (LInformatioElectronic Informatio	2023
NYSE:JBL Common SJabil Inc.	222.32 Common SS&P 500 (LInformatioElectronic Informatio	2024
NasdaqGS:Common SJack Henry	149.89 Common SS&P 500 (LFinancials TransactioFinancials	2020
NasdaqGS:Common SJack Henry	149.89 Common SS&P 500 (LFinancials TransactioFinancials	2021
NasdaqGS:Common SJack Henry	149.89 Common SS&P 500 (LFinancials TransactioFinancials	2022
NasdaqGS:Common SJack Henry	149.89 Common SS&P 500 (LFinancials TransactioFinancials	2023
NasdaqGS:Common SJack Henry	149.89 Common SS&P 500 (LFinancials TransactioFinancials	2024
NYSE:J Common SJacobs Soli	158.36 Common SS&P 500 (LIndustrials Research aIndustrials	2020
NYSE:J Common SJacobs Soli	158.36 Common SS&P 500 (LIndustrials Research aIndustrials	2021
NYSE:J Common SJacobs Soli	158.36 Common SS&P 500 (LIndustrials Research aIndustrials	2022
NYSE:J Common SJacobs Soli	158.36 Common SS&P 500 (LIndustrials Research aIndustrials	2023
NYSE:J Common SJacobs Soli	158.36 Common SS&P 500 (LIndustrials Research aIndustrials	2024
NYSE:JNJ Common SJohnson &	186.6 Common SS&P 500 (LHealth CarPharmaceiHealth Car	2020
NYSE:JNJ Common SJohnson &	186.6 Common SS&P 500 (LHealth CarPharmaceiHealth Car	2021

NYSE:JNJ	Common S	Johnson &	186.6	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2022
NYSE:JNJ	Common S	Johnson &	186.6	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2023
NYSE:JNJ	Common S	Johnson &	186.6	Common SS&P 500 (L	Health Car	Pharmacei	Health Car	2024
NYSE:JCI	Common S	Johnson C	113.34	Common SS&P 500 (L	Industrials	Building Pr	Industrials	2020
NYSE:JCI	Common S	Johnson C	113.34	Common SS&P 500 (L	Industrials	Building Pr	Industrials	2021
NYSE:JCI	Common S	Johnson C	113.34	Common SS&P 500 (L	Industrials	Building Pr	Industrials	2022
NYSE:JCI	Common S	Johnson C	113.34	Common SS&P 500 (L	Industrials	Building Pr	Industrials	2023
NYSE:JCI	Common S	Johnson C	113.34	Common SS&P 500 (L	Industrials	Building Pr	Industrials	2024
NYSE:KKR	Common S	KKR & Co.	118.55	Common SS&P 500 (L	Financials	Asset Man	Financials	2020
NYSE:KKR	Common S	KKR & Co.	118.55	Common SS&P 500 (L	Financials	Asset Man	Financials	2021
NYSE:KKR	Common S	KKR & Co.	118.55	Common SS&P 500 (L	Financials	Asset Man	Financials	2022
NYSE:KKR	Common S	KKR & Co.	118.55	Common SS&P 500 (L	Financials	Asset Man	Financials	2023
NYSE:KKR	Common S	KKR & Co.	118.55	Common SS&P 500 (L	Financials	Asset Man	Financials	2024
NasdaqGS:Common SKLA Corpora			1235.28	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2020
NasdaqGS:Common SKLA Corpora			1235.28	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2021
NasdaqGS:Common SKLA Corpora			1235.28	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2022
NasdaqGS:Common SKLA Corpora			1235.28	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2023
NasdaqGS:Common SKLA Corpora			1235.28	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2024
NYSE:K	Common S	Kellanova	83.02	Common SS&P 500 (L	Consumer	Packaged F	Consumer	2020
NYSE:K	Common S	Kellanova	83.02	Common SS&P 500 (L	Consumer	Packaged F	Consumer	2021
NYSE:K	Common S	Kellanova	83.02	Common SS&P 500 (L	Consumer	Packaged F	Consumer	2022
NYSE:K	Common S	Kellanova	83.02	Common SS&P 500 (L	Consumer	Packaged F	Consumer	2023
NYSE:K	Common S	Kellanova	83.02	Common SS&P 500 (L	Consumer	Packaged F	Consumer	2024
NYSE:KVUI	Common S	Kenvue Inc	14.31	Common SS&P 500 (L	Consumer	Personal C	Consumer	2020
NYSE:KVUI	Common S	Kenvue Inc	14.31	Common SS&P 500 (L	Consumer	Personal C	Consumer	2021
NYSE:KVUI	Common S	Kenvue Inc	14.31	Common SS&P 500 (L	Consumer	Personal C	Consumer	2022
NYSE:KVUI	Common S	Kenvue Inc	14.31	Common SS&P 500 (L	Consumer	Personal C	Consumer	2023
NYSE:KVUI	Common S	Kenvue Inc	14.31	Common SS&P 500 (L	Consumer	Personal C	Consumer	2024
NasdaqGS:Common SKeurig Dr F			27.15	Common SS&P 500 (L	Consumer	Soft Drink	Consumer	2020
NasdaqGS:Common SKeurig Dr F			27.15	Common SS&P 500 (L	Consumer	Soft Drink	Consumer	2021
NasdaqGS:Common SKeurig Dr F			27.15	Common SS&P 500 (L	Consumer	Soft Drink	Consumer	2022
NasdaqGS:Common SKeurig Dr F			27.15	Common SS&P 500 (L	Consumer	Soft Drink	Consumer	2023
NasdaqGS:Common SKeurig Dr F			27.15	Common SS&P 500 (L	Consumer	Soft Drink	Consumer	2024
NYSE:KEY	Common S	KeyCorp	17.4	Common SS&P 500 (L	Financials	Diversified	Financials	2020
NYSE:KEY	Common S	KeyCorp	17.4	Common SS&P 500 (L	Financials	Diversified	Financials	2021
NYSE:KEY	Common S	KeyCorp	17.4	Common SS&P 500 (L	Financials	Diversified	Financials	2022
NYSE:KEY	Common S	KeyCorp	17.4	Common SS&P 500 (L	Financials	Diversified	Financials	2023
NYSE:KEY	Common S	KeyCorp	17.4	Common SS&P 500 (L	Financials	Diversified	Financials	2024
NYSE:KEYS	Common S	Keysight Te	170.47	Common SS&P 500 (L	Informatio	Electronic	Informatio	2020
NYSE:KEYS	Common S	Keysight Te	170.47	Common SS&P 500 (L	Informatio	Electronic	Informatio	2021
NYSE:KEYS	Common S	Keysight Te	170.47	Common SS&P 500 (L	Informatio	Electronic	Informatio	2022
NYSE:KEYS	Common S	Keysight Te	170.47	Common SS&P 500 (L	Informatio	Electronic	Informatio	2023
NYSE:KEYS	Common S	Keysight Te	170.47	Common SS&P 500 (L	Informatio	Electronic	Informatio	2024

NasdaqGS Common SKimberly-C	116.72 Common SS&P 500 (L	Consumer HouseholdConsumer	2020
NasdaqGS Common SKimberly-C	116.72 Common SS&P 500 (L	Consumer HouseholdConsumer	2021
NasdaqGS Common SKimberly-C	116.72 Common SS&P 500 (L	Consumer HouseholdConsumer	2022
NasdaqGS Common SKimberly-C	116.72 Common SS&P 500 (L	Consumer HouseholdConsumer	2023
NasdaqGS Common SKimberly-C	116.72 Common SS&P 500 (L	Consumer HouseholdConsumer	2024
NYSE:KIM Common SKimco Rea	21.4 Common SS&P 500 (L	Real EstateRetail REITReal Estate	2020
NYSE:KIM Common SKimco Rea	21.4 Common SS&P 500 (L	Real EstateRetail REITReal Estate	2021
NYSE:KIM Common SKimco Rea	21.4 Common SS&P 500 (L	Real EstateRetail REITReal Estate	2022
NYSE:KIM Common SKimco Rea	21.4 Common SS&P 500 (L	Real EstateRetail REITReal Estate	2023
NYSE:KIM Common SKimco Rea	21.4 Common SS&P 500 (L	Real EstateRetail REITReal Estate	2024
NYSE:KMI Class P Co Kinder Mo	25.9 Common SS&P 500 (L	Energy Oil and Ga Energy (Pr	2020
NYSE:KMI Class P Co Kinder Mo	25.9 Common SS&P 500 (L	Energy Oil and Ga Energy (Pr	2021
NYSE:KMI Class P Co Kinder Mo	25.9 Common SS&P 500 (L	Energy Oil and Ga Energy (Pr	2022
NYSE:KMI Class P Co Kinder Mo	25.9 Common SS&P 500 (L	Energy Oil and Ga Energy (Pr	2023
NYSE:KMI Class P Co Kinder Mo	25.9 Common SS&P 500 (L	Energy Oil and Ga Energy (Pr	2024
NYSE:LHX Common SL3Harris Te	286.87 Common SS&P 500 (L	Industrials Aerospace Industrials	2020
NYSE:LHX Common SL3Harris Te	286.87 Common SS&P 500 (L	Industrials Aerospace Industrials	2021
NYSE:LHX Common SL3Harris Te	286.87 Common SS&P 500 (L	Industrials Aerospace Industrials	2022
NYSE:LHX Common SL3Harris Te	286.87 Common SS&P 500 (L	Industrials Aerospace Industrials	2023
NYSE:LHX Common SL3Harris Te	286.87 Common SS&P 500 (L	Industrials Aerospace Industrials	2024
NasdaqGS:Common SLKQ Corpo	30.04 Common SS&P 500 (L	Consumer DistributorConsumer	2020
NasdaqGS:Common SLKQ Corpo	30.04 Common SS&P 500 (L	Consumer DistributorConsumer	2021
NasdaqGS:Common SLKQ Corpo	30.04 Common SS&P 500 (L	Consumer DistributorConsumer	2022
NasdaqGS:Common SLKQ Corpo	30.04 Common SS&P 500 (L	Consumer DistributorConsumer	2023
NasdaqGS:Common SLKQ Corpo	30.04 Common SS&P 500 (L	Consumer DistributorConsumer	2024
NYSE:LH Common SLabcorp Hc	248.14 Common SS&P 500 (L	Health Car Health Car Health Car	2020
NYSE:LH Common SLabcorp Hc	248.14 Common SS&P 500 (L	Health Car Health Car Health Car	2021
NYSE:LH Common SLabcorp Hc	248.14 Common SS&P 500 (L	Health Car Health Car Health Car	2022
NYSE:LH Common SLabcorp Hc	248.14 Common SS&P 500 (L	Health Car Health Car Health Car	2023
NYSE:LH Common SLabcorp Hc	248.14 Common SS&P 500 (L	Health Car Health Car Health Car	2024
NasdaqGS:Common SLam Resea	160.67 Common SS&P 500 (L	InformatioSemiconduInformatio	2020
NasdaqGS:Common SLam Resea	160.67 Common SS&P 500 (L	InformatioSemiconduInformatio	2021
NasdaqGS:Common SLam Resea	160.67 Common SS&P 500 (L	InformatioSemiconduInformatio	2022
NasdaqGS:Common SLam Resea	160.67 Common SS&P 500 (L	InformatioSemiconduInformatio	2023
NasdaqGS:Common SLam Resea	160.67 Common SS&P 500 (L	InformatioSemiconduInformatio	2024
NYSE:LW Common SLamb Wes	63.18 Common SS&P 500 (L	Consumer Packaged IConsumer	2020
NYSE:LW Common SLamb Wes	63.18 Common SS&P 500 (L	Consumer Packaged IConsumer	2021
NYSE:LW Common SLamb Wes	63.18 Common SS&P 500 (L	Consumer Packaged IConsumer	2022
NYSE:LW Common SLamb Wes	63.18 Common SS&P 500 (L	Consumer Packaged IConsumer	2023
NYSE:LW Common SLamb Wes	63.18 Common SS&P 500 (L	Consumer Packaged IConsumer	2024
NYSE:LVS Common SLas Vegas	58.78 Common SS&P 500 (L	Consumer Casinos anConsumer	2020
NYSE:LVS Common SLas Vegas	58.78 Common SS&P 500 (L	Consumer Casinos anConsumer	2021
NYSE:LVS Common SLas Vegas	58.78 Common SS&P 500 (L	Consumer Casinos anConsumer	2022

NYSE:LVS Common S	Las Vegas	58.78 Common SS&P 500 (L	Consumer Casinos an	Consumer	2023
NYSE:LVS Common S	Las Vegas	58.78 Common SS&P 500 (L	Consumer Casinos an	Consumer	2024
NYSE:LDO Common S	Leidos Hol	188.16 Common SS&P 500 (L	Industrials Research a	Industrials	2020
NYSE:LDO Common S	Leidos Hol	188.16 Common SS&P 500 (L	Industrials Research a	Industrials	2021
NYSE:LDO Common S	Leidos Hol	188.16 Common SS&P 500 (L	Industrials Research a	Industrials	2022
NYSE:LDO Common S	Leidos Hol	188.16 Common SS&P 500 (L	Industrials Research a	Industrials	2023
NYSE:LDO Common S	Leidos Hol	188.16 Common SS&P 500 (L	Industrials Research a	Industrials	2024
NYSE:LEN Class A Co	Lennar Cor	124.18 Common SS&P 500 (L	Consumer Homebuilc	Consumer	2020
NYSE:LEN Class A Co	Lennar Cor	124.18 Common SS&P 500 (L	Consumer Homebuilc	Consumer	2021
NYSE:LEN Class A Co	Lennar Cor	124.18 Common SS&P 500 (L	Consumer Homebuilc	Consumer	2022
NYSE:LEN Class A Co	Lennar Cor	124.18 Common SS&P 500 (L	Consumer Homebuilc	Consumer	2023
NYSE:LEN Class A Co	Lennar Cor	124.18 Common SS&P 500 (L	Consumer Homebuilc	Consumer	2024
NYSE:LII Common S	Lennox Int	487.78 Common SS&P 500 (L	Industrials Building Pr	Industrials	2020
NYSE:LII Common S	Lennox Int	487.78 Common SS&P 500 (L	Industrials Building Pr	Industrials	2021
NYSE:LII Common S	Lennox Int	487.78 Common SS&P 500 (L	Industrials Building Pr	Industrials	2022
NYSE:LII Common S	Lennox Int	487.78 Common SS&P 500 (L	Industrials Building Pr	Industrials	2023
NYSE:LII Common S	Lennox Int	487.78 Common SS&P 500 (L	Industrials Building Pr	Industrials	2024
NasdaqGS:Ordinary S	Linde plc	432.01 Common SS&P 500 (L	Materials Industrial	Materials (	2020
NasdaqGS:Ordinary S	Linde plc	432.01 Common SS&P 500 (L	Materials Industrial	Materials (	2021
NasdaqGS:Ordinary S	Linde plc	432.01 Common SS&P 500 (L	Materials Industrial	Materials (	2022
NasdaqGS:Ordinary S	Linde plc	432.01 Common SS&P 500 (L	Materials Industrial	Materials (	2023
NasdaqGS:Ordinary S	Linde plc	432.01 Common SS&P 500 (L	Materials Industrial	Materials (	2024
NYSE:LYV Common S	Live Nator	149.19 Common SS&P 500 (L	CommunicMovies an	Communic	2020
NYSE:LYV Common S	Live Nator	149.19 Common SS&P 500 (L	CommunicMovies an	Communic	2021
NYSE:LYV Common S	Live Nator	149.19 Common SS&P 500 (L	CommunicMovies an	Communic	2022
NYSE:LYV Common S	Live Nator	149.19 Common SS&P 500 (L	CommunicMovies an	Communic	2023
NYSE:LYV Common S	Live Nator	149.19 Common SS&P 500 (L	CommunicMovies an	Communic	2024
NYSE:LMT Common S	Lockheed I	485.33 Common SS&P 500 (L	Industrials Aerospace	Industrials	2020
NYSE:LMT Common S	Lockheed I	485.33 Common SS&P 500 (L	Industrials Aerospace	Industrials	2021
NYSE:LMT Common S	Lockheed I	485.33 Common SS&P 500 (L	Industrials Aerospace	Industrials	2022
NYSE:LMT Common S	Lockheed I	485.33 Common SS&P 500 (L	Industrials Aerospace	Industrials	2023
NYSE:LMT Common S	Lockheed I	485.33 Common SS&P 500 (L	Industrials Aerospace	Industrials	2024
NYSE:L Common S	Loews Cor	97.8 Common SS&P 500 (L	Financials Property a	Financials	2020
NYSE:L Common S	Loews Cor	97.8 Common SS&P 500 (L	Financials Property a	Financials	2021
NYSE:L Common S	Loews Cor	97.8 Common SS&P 500 (L	Financials Property a	Financials	2022
NYSE:L Common S	Loews Cor	97.8 Common SS&P 500 (L	Financials Property a	Financials	2023
NYSE:L Common S	Loews Cor	97.8 Common SS&P 500 (L	Financials Property a	Financials	2024
NYSE:LOW Common S	Lowe's Cor	238.49 Common SS&P 500 (L	Consumer Home Imp	Consumer	2020
NYSE:LOW Common S	Lowe's Cor	238.49 Common SS&P 500 (L	Consumer Home Imp	Consumer	2021
NYSE:LOW Common S	Lowe's Cor	238.49 Common SS&P 500 (L	Consumer Home Imp	Consumer	2022
NYSE:LOW Common S	Lowe's Cor	238.49 Common SS&P 500 (L	Consumer Home Imp	Consumer	2023
NYSE:LOW Common S	Lowe's Cor	238.49 Common SS&P 500 (L	Consumer Home Imp	Consumer	2024
NYSE:LYB Class A Or	LyondellBa	46.71 Common SS&P 500 (L	Materials Commodit	Materials (	2020

NYSE:LYB Class A Or LyondellBa	46.71 Common SS&P 500 (L	Materials	Commodit	Materials (	2021
NYSE:LYB Class A Or LyondellBa	46.71 Common SS&P 500 (L	Materials	Commodit	Materials (	2022
NYSE:LYB Class A Or LyondellBa	46.71 Common SS&P 500 (L	Materials	Commodit	Materials (	2023
NYSE:LYB Class A Or LyondellBa	46.71 Common SS&P 500 (L	Materials	Commodit	Materials (	2024
NYSE:MTB Common SM&T Bank	181.34 Common SS&P 500 (L	Financials	Regional B	Financials	2020
NYSE:MTB Common SM&T Bank	181.34 Common SS&P 500 (L	Financials	Regional B	Financials	2021
NYSE:MTB Common SM&T Bank	181.34 Common SS&P 500 (L	Financials	Regional B	Financials	2022
NYSE:MTB Common SM&T Bank	181.34 Common SS&P 500 (L	Financials	Regional B	Financials	2023
NYSE:MTB Common SM&T Bank	181.34 Common SS&P 500 (L	Financials	Regional B	Financials	2024
NYSE:MGM Common SMGM Resc	31.21 Common SS&P 500 (L	Consumer	Casinos an	Consumer	2020
NYSE:MGM Common SMGM Resc	31.21 Common SS&P 500 (L	Consumer	Casinos an	Consumer	2021
NYSE:MGM Common SMGM Resc	31.21 Common SS&P 500 (L	Consumer	Casinos an	Consumer	2022
NYSE:MGM Common SMGM Resc	31.21 Common SS&P 500 (L	Consumer	Casinos an	Consumer	2023
NYSE:MGM Common SMGM Resc	31.21 Common SS&P 500 (L	Consumer	Casinos an	Consumer	2024
NYSE:MSCI New Comr MSCI Inc.	567.54 Common SS&P 500 (L	Financials	Financial	Financials	2020
NYSE:MSCI New Comr MSCI Inc.	567.54 Common SS&P 500 (L	Financials	Financial	Financials	2021
NYSE:MSCI New Comr MSCI Inc.	567.54 Common SS&P 500 (L	Financials	Financial	Financials	2022
NYSE:MSCI New Comr MSCI Inc.	567.54 Common SS&P 500 (L	Financials	Financial	Financials	2023
NYSE:MSCI New Comr MSCI Inc.	567.54 Common SS&P 500 (L	Financials	Financial	Financials	2024
NYSE:MPC Common S Marathon	195.75 Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2020
NYSE:MPC Common S Marathon	195.75 Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2021
NYSE:MPC Common S Marathon	195.75 Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2022
NYSE:MPC Common S Marathon	195.75 Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2023
NYSE:MPC Common S Marathon	195.75 Common SS&P 500 (L	Energy	Oil and Ga	Energy (Pr	2024
NasdaqGS Class A Co Marriott In	263.12 Common SS&P 500 (L	Consumer	Hotels, Re:	Consumer	2020
NasdaqGS Class A Co Marriott In	263.12 Common SS&P 500 (L	Consumer	Hotels, Re:	Consumer	2021
NasdaqGS Class A Co Marriott In	263.12 Common SS&P 500 (L	Consumer	Hotels, Re:	Consumer	2022
NasdaqGS Class A Co Marriott In	263.12 Common SS&P 500 (L	Consumer	Hotels, Re:	Consumer	2023
NasdaqGS Class A Co Marriott In	263.12 Common SS&P 500 (L	Consumer	Hotels, Re:	Consumer	2024
NYSE:MMC Common S Marsh & N	179.99 Common SS&P 500 (L	Financials	Insurance	Financials	2020
NYSE:MMC Common S Marsh & N	179.99 Common SS&P 500 (L	Financials	Insurance	Financials	2021
NYSE:MMC Common S Marsh & N	179.99 Common SS&P 500 (L	Financials	Insurance	Financials	2022
NYSE:MMC Common S Marsh & N	179.99 Common SS&P 500 (L	Financials	Insurance	Financials	2023
NYSE:MMC Common S Marsh & N	179.99 Common SS&P 500 (L	Financials	Insurance	Financials	2024
NYSE:MLM Common S Martin Ma	616.92 Common SS&P 500 (L	Materials	Constructi	Materials (	2020
NYSE:MLM Common S Martin Ma	616.92 Common SS&P 500 (L	Materials	Constructi	Materials (	2021
NYSE:MLM Common S Martin Ma	616.92 Common SS&P 500 (L	Materials	Constructi	Materials (	2022
NYSE:MLM Common S Martin Ma	616.92 Common SS&P 500 (L	Materials	Constructi	Materials (	2023
NYSE:MLM Common S Martin Ma	616.92 Common SS&P 500 (L	Materials	Constructi	Materials (	2024
NYSE:MAS Common S Masco Cor	65.22 Common SS&P 500 (L	Industrials	Building Pr	Industrials	2020
NYSE:MAS Common S Masco Cor	65.22 Common SS&P 500 (L	Industrials	Building Pr	Industrials	2021
NYSE:MAS Common S Masco Cor	65.22 Common SS&P 500 (L	Industrials	Building Pr	Industrials	2022
NYSE:MAS Common S Masco Cor	65.22 Common SS&P 500 (L	Industrials	Building Pr	Industrials	2023



NYSE:MAS Common S	Masco Cor	65.22 Common SS&P 500 (I	Industrials Building Pr	Industrials	2024
NYSE:MA Class A Co	Mastercard	554.58 Common SS&P 500 (I	Financials Transactio	Financials	2020
NYSE:MA Class A Co	Mastercard	554.58 Common SS&P 500 (I	Financials Transactio	Financials	2021
NYSE:MA Class A Co	Mastercard	554.58 Common SS&P 500 (I	Financials Transactio	Financials	2022
NYSE:MA Class A Co	Mastercard	554.58 Common SS&P 500 (I	Financials Transactio	Financials	2023
NYSE:MA Class A Co	Mastercard	554.58 Common SS&P 500 (I	Financials Transactio	Financials	2024
NasdaqGS Common S	Match Group	32.03 Common SS&P 500 (I	CommunicInteractive	Communic	2020
NasdaqGS Common S	Match Group	32.03 Common SS&P 500 (I	CommunicInteractive	Communic	2021
NasdaqGS Common S	Match Group	32.03 Common SS&P 500 (I	CommunicInteractive	Communic	2022
NasdaqGS Common S	Match Group	32.03 Common SS&P 500 (I	CommunicInteractive	Communic	2023
NasdaqGS Common S	Match Group	32.03 Common SS&P 500 (I	CommunicInteractive	Communic	2024
NYSE:MKC Non-Votin	McCormick	63.83 Common SS&P 500 (I	Consumer Packaged I	Consumer	2020
NYSE:MKC Non-Votin	McCormick	63.83 Common SS&P 500 (I	Consumer Packaged I	Consumer	2021
NYSE:MKC Non-Votin	McCormick	63.83 Common SS&P 500 (I	Consumer Packaged I	Consumer	2022
NYSE:MKC Non-Votin	McCormick	63.83 Common SS&P 500 (I	Consumer Packaged I	Consumer	2023
NYSE:MKC Non-Votin	McCormick	63.83 Common SS&P 500 (I	Consumer Packaged I	Consumer	2024
NYSE:MCD Common S	McDonald's	302.35 Common SS&P 500 (I	Consumer Restaurant	Consumer	2020
NYSE:MCD Common S	McDonald's	302.35 Common SS&P 500 (I	Consumer Restaurant	Consumer	2021
NYSE:MCD Common S	McDonald's	302.35 Common SS&P 500 (I	Consumer Restaurant	Consumer	2022
NYSE:MCD Common S	McDonald's	302.35 Common SS&P 500 (I	Consumer Restaurant	Consumer	2023
NYSE:MCD Common S	McDonald's	302.35 Common SS&P 500 (I	Consumer Restaurant	Consumer	2024
NYSE:MCK Common S	McKesson	807.63 Common SS&P 500 (I	Health Car Health Car	Health Car	2020
NYSE:MCK Common S	McKesson	807.63 Common SS&P 500 (I	Health Car Health Car	Health Car	2021
NYSE:MCK Common S	McKesson	807.63 Common SS&P 500 (I	Health Car Health Car	Health Car	2022
NYSE:MCK Common S	McKesson	807.63 Common SS&P 500 (I	Health Car Health Car	Health Car	2023
NYSE:MCK Common S	McKesson	807.63 Common SS&P 500 (I	Health Car Health Car	Health Car	2024
NYSE:MDT New Ordin	Medtronic	91.73 Common SS&P 500 (I	Health Car Health Car	Health Car	2020
NYSE:MDT New Ordin	Medtronic	91.73 Common SS&P 500 (I	Health Car Health Car	Health Car	2021
NYSE:MDT New Ordin	Medtronic	91.73 Common SS&P 500 (I	Health Car Health Car	Health Car	2022
NYSE:MDT New Ordin	Medtronic	91.73 Common SS&P 500 (I	Health Car Health Car	Health Car	2023
NYSE:MDT New Ordin	Medtronic	91.73 Common SS&P 500 (I	Health Car Health Car	Health Car	2024
NYSE:MRK Common S	Merck & C	86.58 Common SS&P 500 (I	Health Car Pharmacei	Health Car	2020
NYSE:MRK Common S	Merck & C	86.58 Common SS&P 500 (I	Health Car Pharmacei	Health Car	2021
NYSE:MRK Common S	Merck & C	86.58 Common SS&P 500 (I	Health Car Pharmacei	Health Car	2022
NYSE:MRK Common S	Merck & C	86.58 Common SS&P 500 (I	Health Car Pharmacei	Health Car	2023
NYSE:MRK Common S	Merck & C	86.58 Common SS&P 500 (I	Health Car Pharmacei	Health Car	2024
NYSE:MET Common S	MetLife, In	78.32 Common SS&P 500 (I	Financials Life and H	Financials	2020
NYSE:MET Common S	MetLife, In	78.32 Common SS&P 500 (I	Financials Life and H	Financials	2021
NYSE:MET Common S	MetLife, In	78.32 Common SS&P 500 (I	Financials Life and H	Financials	2022
NYSE:MET Common S	MetLife, In	78.32 Common SS&P 500 (I	Financials Life and H	Financials	2023
NYSE:MET Common S	MetLife, In	78.32 Common SS&P 500 (I	Financials Life and H	Financials	2024
NasdaqGS Class A Co	Meta Platf	751.67 Common SS&P 500 (I	CommunicInteractive	Communic	2020
NasdaqGS Class A Co	Meta Platf	751.67 Common SS&P 500 (I	CommunicInteractive	Communic	2021

NasdaqGS Class A Co Meta Platf	751.67 Common SS&P 500 (LCommunicInteractiveCommunic	2022
NasdaqGS Class A Co Meta Platf	751.67 Common SS&P 500 (LCommunicInteractiveCommunic	2023
NasdaqGS Class A Co Meta Platf	751.67 Common SS&P 500 (LCommunicInteractiveCommunic	2024
NYSE:MTDCommon SMettler-To	1394.17 Common SS&P 500 (LHealth Car Life Scienc Health Car	2020
NYSE:MTDCommon SMettler-To	1394.17 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NYSE:MTDCommon SMettler-To	1394.17 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022
NYSE:MTDCommon SMettler-To	1394.17 Common SS&P 500 (LHealth Car Life Scienc Health Car	2023
NYSE:MTDCommon SMettler-To	1394.17 Common SS&P 500 (LHealth Car Life Scienc Health Car	2024
NasdaqGS Common SMicrochip	62.54 Common SS&P 500 (LInformatioSemiconduInformatio	2020
NasdaqGS Common SMicrochip	62.54 Common SS&P 500 (LInformatioSemiconduInformatio	2021
NasdaqGS Common SMicrochip	62.54 Common SS&P 500 (LInformatioSemiconduInformatio	2022
NasdaqGS Common SMicrochip	62.54 Common SS&P 500 (LInformatioSemiconduInformatio	2023
NasdaqGS Common SMicrochip	62.54 Common SS&P 500 (LInformatioSemiconduInformatio	2024
NasdaqGS Common SMicron Tex	226.63 Common SS&P 500 (LInformatioSemiconduInformatio	2020
NasdaqGS Common SMicron Tex	226.63 Common SS&P 500 (LInformatioSemiconduInformatio	2021
NasdaqGS Common SMicron Tex	226.63 Common SS&P 500 (LInformatioSemiconduInformatio	2022
NasdaqGS Common SMicron Tex	226.63 Common SS&P 500 (LInformatioSemiconduInformatio	2023
NasdaqGS Common SMicron Tex	226.63 Common SS&P 500 (LInformatioSemiconduInformatio	2024
NasdaqGS:Common SMicrosoft	541.55 Common SS&P 500 (LInformatioSystems ScInformatio	2020
NasdaqGS:Common SMicrosoft	541.55 Common SS&P 500 (LInformatioSystems ScInformatio	2021
NasdaqGS:Common SMicrosoft	541.55 Common SS&P 500 (LInformatioSystems ScInformatio	2022
NasdaqGS:Common SMicrosoft	541.55 Common SS&P 500 (LInformatioSystems ScInformatio	2023
NasdaqGS:Common SMicrosoft	541.55 Common SS&P 500 (LInformatioSystems ScInformatio	2024
NYSE:MAACCommon SMid-Ameri	126.28 Common SS&P 500 (LReal EstateMulti-FamiReal Estate	2020
NYSE:MAACCommon SMid-Ameri	126.28 Common SS&P 500 (LReal EstateMulti-FamiReal Estate	2021
NYSE:MAACCommon SMid-Ameri	126.28 Common SS&P 500 (LReal EstateMulti-FamiReal Estate	2022
NYSE:MAACCommon SMid-Ameri	126.28 Common SS&P 500 (LReal EstateMulti-FamiReal Estate	2023
NYSE:MAACCommon SMid-Ameri	126.28 Common SS&P 500 (LReal EstateMulti-FamiReal Estate	2024
NasdaqGS Common SModerna,	24.7 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2020
NasdaqGS Common SModerna,	24.7 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2021
NasdaqGS Common SModerna,	24.7 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2022
NasdaqGS Common SModerna,	24.7 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2023
NasdaqGS Common SModerna,	24.7 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2024
NYSE:MHKCommon SMohawk Ir	117.53 Common SS&P 500 (LConsumer Home FurrConsumer	2020
NYSE:MHKCommon SMohawk Ir	117.53 Common SS&P 500 (LConsumer Home FurrConsumer	2021
NYSE:MHKCommon SMohawk Ir	117.53 Common SS&P 500 (LConsumer Home FurrConsumer	2022
NYSE:MHKCommon SMohawk Ir	117.53 Common SS&P 500 (LConsumer Home FurrConsumer	2023
NYSE:MHKCommon SMohawk Ir	117.53 Common SS&P 500 (LConsumer Home FurrConsumer	2024
NYSE:MOHCommon SMolina Hei	160.28 Common SS&P 500 (LHealth Car Managed IHealth Car	2020
NYSE:MOHCommon SMolina Hei	160.28 Common SS&P 500 (LHealth Car Managed IHealth Car	2021
NYSE:MOHCommon SMolina Hei	160.28 Common SS&P 500 (LHealth Car Managed IHealth Car	2022
NYSE:MOHCommon SMolina Hei	160.28 Common SS&P 500 (LHealth Car Managed IHealth Car	2023
NYSE:MOHCommon SMolina Hei	160.28 Common SS&P 500 (LHealth Car Managed IHealth Car	2024

NYSE:TAP Class B Co Molson Co	43.51	Common	SS&P 500 (L	Consumer Brewers	Consumer	2020
NYSE:TAP Class B Co Molson Co	43.51	Common	SS&P 500 (L	Consumer Brewers	Consumer	2021
NYSE:TAP Class B Co Molson Co	43.51	Common	SS&P 500 (L	Consumer Brewers	Consumer	2022
NYSE:TAP Class B Co Molson Co	43.51	Common	SS&P 500 (L	Consumer Brewers	Consumer	2023
NYSE:TAP Class B Co Molson Co	43.51	Common	SS&P 500 (L	Consumer Brewers	Consumer	2024
NasdaqGS:Class A Co Mondelez	57.85	Common	SS&P 500 (L	Consumer Packaged F	Consumer	2020
NasdaqGS:Class A Co Mondelez	57.85	Common	SS&P 500 (L	Consumer Packaged F	Consumer	2021
NasdaqGS:Class A Co Mondelez	57.85	Common	SS&P 500 (L	Consumer Packaged F	Consumer	2022
NasdaqGS:Class A Co Mondelez	57.85	Common	SS&P 500 (L	Consumer Packaged F	Consumer	2023
NasdaqGS:Class A Co Mondelez	57.85	Common	SS&P 500 (L	Consumer Packaged F	Consumer	2024
NasdaqGS Common SMonolithic	1094.08	Common	SS&P 500 (L	Information Semiconductors	Information	2020
NasdaqGS Common SMonolithic	1094.08	Common	SS&P 500 (L	Information Semiconductors	Information	2021
NasdaqGS Common SMonolithic	1094.08	Common	SS&P 500 (L	Information Semiconductors	Information	2022
NasdaqGS Common SMonolithic	1094.08	Common	SS&P 500 (L	Information Semiconductors	Information	2023
NasdaqGS Common SMonolithic	1094.08	Common	SS&P 500 (L	Information Semiconductors	Information	2024
NasdaqGS Common SMonster B	66.56	Common	SS&P 500 (L	Consumer Soft Drink	Consumer	2020
NasdaqGS Common SMonster B	66.56	Common	SS&P 500 (L	Consumer Soft Drink	Consumer	2021
NasdaqGS Common SMonster B	66.56	Common	SS&P 500 (L	Consumer Soft Drink	Consumer	2022
NasdaqGS Common SMonster B	66.56	Common	SS&P 500 (L	Consumer Soft Drink	Consumer	2023
NasdaqGS Common SMonster B	66.56	Common	SS&P 500 (L	Consumer Soft Drink	Consumer	2024
NYSE:MCOCommon S Moody's C	471.7	Common	SS&P 500 (L	Financials	Financial	2020
NYSE:MCOCommon S Moody's C	471.7	Common	SS&P 500 (L	Financials	Financial	2021
NYSE:MCOCommon S Moody's C	471.7	Common	SS&P 500 (L	Financials	Financial	2022
NYSE:MCOCommon S Moody's C	471.7	Common	SS&P 500 (L	Financials	Financial	2023
NYSE:MCOCommon S Moody's C	471.7	Common	SS&P 500 (L	Financials	Financial	2024
NYSE:MS Common SMorgan St	164.03	Common	SS&P 500 (L	Financials	Investment	2020
NYSE:MS Common SMorgan St	164.03	Common	SS&P 500 (L	Financials	Investment	2021
NYSE:MS Common SMorgan St	164.03	Common	SS&P 500 (L	Financials	Investment	2022
NYSE:MS Common SMorgan St	164.03	Common	SS&P 500 (L	Financials	Investment	2023
NYSE:MS Common SMorgan St	164.03	Common	SS&P 500 (L	Financials	Investment	2024
NYSE:MSI Common SMotorola S	432.18	Common	SS&P 500 (L	Information Communication	Information	2020
NYSE:MSI Common SMotorola S	432.18	Common	SS&P 500 (L	Information Communication	Information	2021
NYSE:MSI Common SMotorola S	432.18	Common	SS&P 500 (L	Information Communication	Information	2022
NYSE:MSI Common SMotorola S	432.18	Common	SS&P 500 (L	Information Communication	Information	2023
NYSE:MSI Common SMotorola S	432.18	Common	SS&P 500 (L	Information Communication	Information	2024
NYSE:NKE Class B Co NIKE, Inc.	65.35	Common	SS&P 500 (L	Consumer Footwear	Consumer	2020
NYSE:NKE Class B Co NIKE, Inc.	65.35	Common	SS&P 500 (L	Consumer Footwear	Consumer	2021
NYSE:NKE Class B Co NIKE, Inc.	65.35	Common	SS&P 500 (L	Consumer Footwear	Consumer	2022
NYSE:NKE Class B Co NIKE, Inc.	65.35	Common	SS&P 500 (L	Consumer Footwear	Consumer	2023
NYSE:NKE Class B Co NIKE, Inc.	65.35	Common	SS&P 500 (L	Consumer Footwear	Consumer	2024
NYSE:NRG Common SNRG Energ	178.5	Common	SS&P 500 (L	Utilities	Electric Utilities (P	2020
NYSE:NRG Common SNRG Energ	178.5	Common	SS&P 500 (L	Utilities	Electric Utilities (P	2021
NYSE:NRG Common SNRG Energ	178.5	Common	SS&P 500 (L	Utilities	Electric Utilities (P	2022

NYSE:NRG Common SNRG Energ	178.5	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2023
NYSE:NRG Common SNRG Energ	178.5	Common SS&P 500 (L	Utilities	Electric Ut	Utilities (P	2024
NasdaqGS:Common SNVIDIA Co	207.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2020
NasdaqGS:Common SNVIDIA Co	207.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2021
NasdaqGS:Common SNVIDIA Co	207.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2022
NasdaqGS:Common SNVIDIA Co	207.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2023
NasdaqGS:Common SNVIDIA Co	207.04	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2024
NYSE:NVR Common SNVR, Inc.	7333.31	Common SS&P 500 (L	Consumer Homebuilc	Consumer		2020
NYSE:NVR Common SNVR, Inc.	7333.31	Common SS&P 500 (L	Consumer Homebuilc	Consumer		2021
NYSE:NVR Common SNVR, Inc.	7333.31	Common SS&P 500 (L	Consumer Homebuilc	Consumer		2022
NYSE:NVR Common SNVR, Inc.	7333.31	Common SS&P 500 (L	Consumer Homebuilc	Consumer		2023
NYSE:NVR Common SNVR, Inc.	7333.31	Common SS&P 500 (L	Consumer Homebuilc	Consumer		2024
NasdaqGS:Common SNXP Semic	204.71	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2020
NasdaqGS:Common SNXP Semic	204.71	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2021
NasdaqGS:Common SNXP Semic	204.71	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2022
NasdaqGS:Common SNXP Semic	204.71	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2023
NasdaqGS:Common SNXP Semic	204.71	Common SS&P 500 (L	Informatio	Semicondu	Informatio	2024
NasdaqGS Common SNasdaq, In	85.42	Common SS&P 500 (L	Financials	Financial	Financials	2020
NasdaqGS Common SNasdaq, In	85.42	Common SS&P 500 (L	Financials	Financial	Financials	2021
NasdaqGS Common SNasdaq, In	85.42	Common SS&P 500 (L	Financials	Financial	Financials	2022
NasdaqGS Common SNasdaq, In	85.42	Common SS&P 500 (L	Financials	Financial	Financials	2023
NasdaqGS Common SNasdaq, In	85.42	Common SS&P 500 (L	Financials	Financial	Financials	2024
NasdaqGS:Common SNetApp, In	114.12	Common SS&P 500 (L	Informatio	Technolog	Informatio	2020
NasdaqGS:Common SNetApp, In	114.12	Common SS&P 500 (L	Informatio	Technolog	Informatio	2021
NasdaqGS:Common SNetApp, In	114.12	Common SS&P 500 (L	Informatio	Technolog	Informatio	2022
NasdaqGS:Common SNetApp, In	114.12	Common SS&P 500 (L	Informatio	Technolog	Informatio	2023
NasdaqGS:Common SNetApp, In	114.12	Common SS&P 500 (L	Informatio	Technolog	Informatio	2024
NasdaqGS:Common SNetflix, Inc	1100.41	Common SS&P 500 (L	Communic	Movies an	Communic	2020
NasdaqGS:Common SNetflix, Inc	1100.41	Common SS&P 500 (L	Communic	Movies an	Communic	2021
NasdaqGS:Common SNetflix, Inc	1100.41	Common SS&P 500 (L	Communic	Movies an	Communic	2022
NasdaqGS:Common SNetflix, Inc	1100.41	Common SS&P 500 (L	Communic	Movies an	Communic	2023
NasdaqGS:Common SNetflix, Inc	1100.41	Common SS&P 500 (L	Communic	Movies an	Communic	2024
NYSE:NEMCommon SNewmont	79.67	Common SS&P 500 (L	Materials	Gold	Materials (	2020
NYSE:NEMCommon SNewmont	79.67	Common SS&P 500 (L	Materials	Gold	Materials (	2021
NYSE:NEMCommon SNewmont	79.67	Common SS&P 500 (L	Materials	Gold	Materials (	2022
NYSE:NEMCommon SNewmont	79.67	Common SS&P 500 (L	Materials	Gold	Materials (	2023
NYSE:NEMCommon SNewmont	79.67	Common SS&P 500 (L	Materials	Gold	Materials (	2024
NasdaqGS Class B Co News Corp	30.27	Common SS&P 500 (L	Communic	Publishing	Communic	2020
NasdaqGS Class A Co News Corp	26.05	Common SS&P 500 (L	Communic	Publishing	Communic	2020
NasdaqGS Class B Co News Corp	30.27	Common SS&P 500 (L	Communic	Publishing	Communic	2021
NasdaqGS Class A Co News Corp	26.05	Common SS&P 500 (L	Communic	Publishing	Communic	2021
NasdaqGS Class B Co News Corp	30.27	Common SS&P 500 (L	Communic	Publishing	Communic	2022
NasdaqGS Class A Co News Corp	26.05	Common SS&P 500 (L	Communic	Publishing	Communic	2022

NasdaqGS Class B Co News Corp	30.27	Common	SS&P 500 (L	CommunicPublishing	Communic	2023
NasdaqGS Class A Co News Corp	26.05	Common	SS&P 500 (L	CommunicPublishing	Communic	2023
NasdaqGS Class B Co News Corp	30.27	Common	SS&P 500 (L	CommunicPublishing	Communic	2024
NasdaqGS Class A Co News Corp	26.05	Common	SS&P 500 (L	CommunicPublishing	Communic	2024
NYSE:NEE Common SNextEra Er	81.76	Common	SS&P 500 (L	Utilities	Electric UtiUtilities (P	2020
NYSE:NEE Common SNextEra Er	81.76	Common	SS&P 500 (L	Utilities	Electric UtiUtilities (P	2021
NYSE:NEE Common SNextEra Er	81.76	Common	SS&P 500 (L	Utilities	Electric UtiUtilities (P	2022
NYSE:NEE Common SNextEra Er	81.76	Common	SS&P 500 (L	Utilities	Electric UtiUtilities (P	2023
NYSE:NEE Common SNextEra Er	81.76	Common	SS&P 500 (L	Utilities	Electric UtiUtilities (P	2024
NYSE:NI Common SNiSource Li	42.46	Common	SS&P 500 (L	Utilities	Multi-UtilitiUtilities (P	2020
NYSE:NI Common SNiSource Li	42.46	Common	SS&P 500 (L	Utilities	Multi-UtilitiUtilities (P	2021
NYSE:NI Common SNiSource Li	42.46	Common	SS&P 500 (L	Utilities	Multi-UtilitiUtilities (P	2022
NYSE:NI Common SNiSource Li	42.46	Common	SS&P 500 (L	Utilities	Multi-UtilitiUtilities (P	2023
NYSE:NI Common SNiSource Li	42.46	Common	SS&P 500 (L	Utilities	Multi-UtilitiUtilities (P	2024
NasdaqGS:Common SNordson C	233.18	Common	SS&P 500 (L	Industrials	Industrial Industrials	2020
NasdaqGS:Common SNordson C	233.18	Common	SS&P 500 (L	Industrials	Industrial Industrials	2021
NasdaqGS:Common SNordson C	233.18	Common	SS&P 500 (L	Industrials	Industrial Industrials	2022
NasdaqGS:Common SNordson C	233.18	Common	SS&P 500 (L	Industrials	Industrial Industrials	2023
NasdaqGS:Common SNordson C	233.18	Common	SS&P 500 (L	Industrials	Industrial Industrials	2024
NYSE:NSC Common SNorfolk So	279.53	Common	SS&P 500 (L	Industrials	Rail TranspIndustrials	2020
NYSE:NSC Common SNorfolk So	279.53	Common	SS&P 500 (L	Industrials	Rail TranspIndustrials	2021
NYSE:NSC Common SNorfolk So	279.53	Common	SS&P 500 (L	Industrials	Rail TranspIndustrials	2022
NYSE:NSC Common SNorfolk So	279.53	Common	SS&P 500 (L	Industrials	Rail TranspIndustrials	2023
NYSE:NSC Common SNorfolk So	279.53	Common	SS&P 500 (L	Industrials	Rail TranspIndustrials	2024
NasdaqGS:Common SNorthern T	127.26	Common	SS&P 500 (L	Financials	Asset ManFinancials	2020
NasdaqGS:Common SNorthern T	127.26	Common	SS&P 500 (L	Financials	Asset ManFinancials	2021
NasdaqGS:Common SNorthern T	127.26	Common	SS&P 500 (L	Financials	Asset ManFinancials	2022
NasdaqGS:Common SNorthern T	127.26	Common	SS&P 500 (L	Financials	Asset ManFinancials	2023
NasdaqGS:Common SNorthern T	127.26	Common	SS&P 500 (L	Financials	Asset ManFinancials	2024
NYSE:NOC Common SNorthrop	584.99	Common	SS&P 500 (L	Industrials	Aerospace Industrials	2020
NYSE:NOC Common SNorthrop	584.99	Common	SS&P 500 (L	Industrials	Aerospace Industrials	2021
NYSE:NOC Common SNorthrop	584.99	Common	SS&P 500 (L	Industrials	Aerospace Industrials	2022
NYSE:NOC Common SNorthrop	584.99	Common	SS&P 500 (L	Industrials	Aerospace Industrials	2023
NYSE:NOC Common SNorthrop	584.99	Common	SS&P 500 (L	Industrials	Aerospace Industrials	2024
NYSE:NCLHNew OrdinNorwegian	22.22	Common	SS&P 500 (L	Consumer	Hotels, Re:Consumer	2020
NYSE:NCLHNew OrdinNorwegian	22.22	Common	SS&P 500 (L	Consumer	Hotels, Re:Consumer	2021
NYSE:NCLHNew OrdinNorwegian	22.22	Common	SS&P 500 (L	Consumer	Hotels, Re:Consumer	2022
NYSE:NCLHNew OrdinNorwegian	22.22	Common	SS&P 500 (L	Consumer	Hotels, Re:Consumer	2023
NYSE:NCLHNew OrdinNorwegian	22.22	Common	SS&P 500 (L	Consumer	Hotels, Re:Consumer	2024
NYSE:NUE Common SNucor Cor	154.43	Common	SS&P 500 (L	Materials	Steel Materials (	2020
NYSE:NUE Common SNucor Cor	154.43	Common	SS&P 500 (L	Materials	Steel Materials (	2021
NYSE:NUE Common SNucor Cor	154.43	Common	SS&P 500 (L	Materials	Steel Materials (	2022
NYSE:NUE Common SNucor Cor	154.43	Common	SS&P 500 (L	Materials	Steel Materials (	2023

NYSE:NUE Common S	Nucor Corp	154.43	Common SS&P 500 (L	Materials Steel	Materials (	2024
NasdaqGS:Common S	O'Reilly Au	94.52	Common SS&P 500 (L	Consumer Automotiv	Consumer	2020
NasdaqGS:Common S	O'Reilly Au	94.52	Common SS&P 500 (L	Consumer Automotiv	Consumer	2021
NasdaqGS:Common S	O'Reilly Au	94.52	Common SS&P 500 (L	Consumer Automotiv	Consumer	2022
NasdaqGS:Common S	O'Reilly Au	94.52	Common SS&P 500 (L	Consumer Automotiv	Consumer	2023
NasdaqGS:Common S	O'Reilly Au	94.52	Common SS&P 500 (L	Consumer Automotiv	Consumer	2024
NasdaqGS:Common S	ON Semicc	51.4	Common SS&P 500 (L	InformatioSemicond	Informatio	2020
NasdaqGS:Common S	ON Semicc	51.4	Common SS&P 500 (L	InformatioSemicond	Informatio	2021
NasdaqGS:Common S	ON Semicc	51.4	Common SS&P 500 (L	InformatioSemicond	Informatio	2022
NasdaqGS:Common S	ON Semicc	51.4	Common SS&P 500 (L	InformatioSemicond	Informatio	2023
NasdaqGS:Common S	ON Semicc	51.4	Common SS&P 500 (L	InformatioSemicond	Informatio	2024
NYSE:OKE Common S	ONEOK, In	67.2	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2020
NYSE:OKE Common S	ONEOK, In	67.2	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2021
NYSE:OKE Common S	ONEOK, In	67.2	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2022
NYSE:OKE Common S	ONEOK, In	67.2	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2023
NYSE:OKE Common S	ONEOK, In	67.2	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2024
NYSE:OXY Common S	Occidental	40.58	Common SS&P 500 (L	Energy Integrated	Energy (Pr	2020
NYSE:OXY Common S	Occidental	40.58	Common SS&P 500 (L	Energy Integrated	Energy (Pr	2021
NYSE:OXY Common S	Occidental	40.58	Common SS&P 500 (L	Energy Integrated	Energy (Pr	2022
NYSE:OXY Common S	Occidental	40.58	Common SS&P 500 (L	Energy Integrated	Energy (Pr	2023
NYSE:OXY Common S	Occidental	40.58	Common SS&P 500 (L	Energy Integrated	Energy (Pr	2024
NasdaqGS:Common S	Old Domin	136.13	Common SS&P 500 (L	Industrials Cargo Gro	Industrials	2020
NasdaqGS:Common S	Old Domin	136.13	Common SS&P 500 (L	Industrials Cargo Gro	Industrials	2021
NasdaqGS:Common S	Old Domin	136.13	Common SS&P 500 (L	Industrials Cargo Gro	Industrials	2022
NasdaqGS:Common S	Old Domin	136.13	Common SS&P 500 (L	Industrials Cargo Gro	Industrials	2023
NasdaqGS:Common S	Old Domin	136.13	Common SS&P 500 (L	Industrials Cargo Gro	Industrials	2024
NYSE:OMCCCommon S	Omnicom	75.24	Common SS&P 500 (L	CommunicAdvertisin	Communic	2020
NYSE:OMCCCommon S	Omnicom	75.24	Common SS&P 500 (L	CommunicAdvertisin	Communic	2021
NYSE:OMCCCommon S	Omnicom	75.24	Common SS&P 500 (L	CommunicAdvertisin	Communic	2022
NYSE:OMCCCommon S	Omnicom	75.24	Common SS&P 500 (L	CommunicAdvertisin	Communic	2023
NYSE:OMCCCommon S	Omnicom	75.24	Common SS&P 500 (L	CommunicAdvertisin	Communic	2024
NYSE:ORCLCommon S	Oracle Cor	275.3	Common SS&P 500 (L	InformatioSystems Sc	Informatio	2020
NYSE:ORCLCommon S	Oracle Cor	275.3	Common SS&P 500 (L	InformatioSystems Sc	Informatio	2021
NYSE:ORCLCommon S	Oracle Cor	275.3	Common SS&P 500 (L	InformatioSystems Sc	Informatio	2022
NYSE:ORCLCommon S	Oracle Cor	275.3	Common SS&P 500 (L	InformatioSystems Sc	Informatio	2023
NYSE:ORCLCommon S	Oracle Cor	275.3	Common SS&P 500 (L	InformatioSystems Sc	Informatio	2024
NYSE:OTIS Common S	Otis World	93.38	Common SS&P 500 (L	Industrials Industrial	Industrials	2020
NYSE:OTIS Common S	Otis World	93.38	Common SS&P 500 (L	Industrials Industrial	Industrials	2021
NYSE:OTIS Common S	Otis World	93.38	Common SS&P 500 (L	Industrials Industrial	Industrials	2022
NYSE:OTIS Common S	Otis World	93.38	Common SS&P 500 (L	Industrials Industrial	Industrials	2023
NYSE:OTIS Common S	Otis World	93.38	Common SS&P 500 (L	Industrials Industrial	Industrials	2024
NasdaqGS:Common S	PACCAR In	98.21	Common SS&P 500 (L	Industrials Constructi	Industrials	2020
NasdaqGS:Common S	PACCAR In	98.21	Common SS&P 500 (L	Industrials Constructi	Industrials	2021

NasdaqGS:Common SPACCAR In	98.21 Common SS&P 500 (I	Industrials Constructi	Industrials	2022
NasdaqGS:Common SPACCAR In	98.21 Common SS&P 500 (I	Industrials Constructi	Industrials	2023
NasdaqGS:Common SPACCAR In	98.21 Common SS&P 500 (I	Industrials Constructi	Industrials	2024
NYSE:PCG Common SPG&E Cor	15.76 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2020
NYSE:PCG Common SPG&E Cor	15.76 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2021
NYSE:PCG Common SPG&E Cor	15.76 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2022
NYSE:PCG Common SPG&E Cor	15.76 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2023
NYSE:PCG Common SPG&E Cor	15.76 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2024
NYSE:PPG Common SPPG Indust	99.13 Common SS&P 500 (I	Materials	Specialty CMaterials (	2020
NYSE:PPG Common SPPG Indust	99.13 Common SS&P 500 (I	Materials	Specialty CMaterials (	2021
NYSE:PPG Common SPPG Indust	99.13 Common SS&P 500 (I	Materials	Specialty CMaterials (	2022
NYSE:PPG Common SPPG Indust	99.13 Common SS&P 500 (I	Materials	Specialty CMaterials (	2023
NYSE:PPG Common SPPG Indust	99.13 Common SS&P 500 (I	Materials	Specialty CMaterials (	2024
NYSE:PPL Common SPPL Corpor	36.48 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2020
NYSE:PPL Common SPPL Corpor	36.48 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2021
NYSE:PPL Common SPPL Corpor	36.48 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2022
NYSE:PPL Common SPPL Corpor	36.48 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2023
NYSE:PPL Common SPPL Corpor	36.48 Common SS&P 500 (U	Utilities	Electric UtiUtilities (P	2024
NasdaqGS:Common SPTC Inc.	197.86 Common SS&P 500 (I	Informatio	Applicatio Informatio	2020
NasdaqGS:Common SPTC Inc.	197.86 Common SS&P 500 (I	Informatio	Applicatio Informatio	2021
NasdaqGS:Common SPTC Inc.	197.86 Common SS&P 500 (I	Informatio	Applicatio Informatio	2022
NasdaqGS:Common SPTC Inc.	197.86 Common SS&P 500 (I	Informatio	Applicatio Informatio	2023
NasdaqGS:Common SPTC Inc.	197.86 Common SS&P 500 (I	Informatio	Applicatio Informatio	2024
NYSE:PKG Common SPackaging	196.65 Common SS&P 500 (I	Materials	Paper and Materials (	2020
NYSE:PKG Common SPackaging	196.65 Common SS&P 500 (I	Materials	Paper and Materials (	2021
NYSE:PKG Common SPackaging	196.65 Common SS&P 500 (I	Materials	Paper and Materials (	2022
NYSE:PKG Common SPackaging	196.65 Common SS&P 500 (I	Materials	Paper and Materials (	2023
NYSE:PKG Common SPackaging	196.65 Common SS&P 500 (I	Materials	Paper and Materials (	2024
NasdaqGS:Class A ShzPalantir Te	198.81 Common SS&P 500 (I	Informatio	Applicatio Informatio	2020
NasdaqGS:Class A ShzPalantir Te	198.81 Common SS&P 500 (I	Informatio	Applicatio Informatio	2021
NasdaqGS:Class A ShzPalantir Te	198.81 Common SS&P 500 (I	Informatio	Applicatio Informatio	2022
NasdaqGS:Class A ShzPalantir Te	198.81 Common SS&P 500 (I	Informatio	Applicatio Informatio	2023
NasdaqGS:Class A ShzPalantir Te	198.81 Common SS&P 500 (I	Informatio	Applicatio Informatio	2024
NasdaqGS Common SPalo Alto N	217.16 Common SS&P 500 (I	Informatio	Systems ScInformatio	2020
NasdaqGS Common SPalo Alto N	217.16 Common SS&P 500 (I	Informatio	Systems ScInformatio	2021
NasdaqGS Common SPalo Alto N	217.16 Common SS&P 500 (I	Informatio	Systems ScInformatio	2022
NasdaqGS Common SPalo Alto N	217.16 Common SS&P 500 (I	Informatio	Systems ScInformatio	2023
NasdaqGS Common SPalo Alto N	217.16 Common SS&P 500 (I	Informatio	Systems ScInformatio	2024
NasdaqGS:Class B Co Paramoun	15.88 Common SS&P 500 (I	Communic	Broadcasti Communic	2020
NasdaqGS:Class B Co Paramoun	15.88 Common SS&P 500 (I	Communic	Broadcasti Communic	2021
NasdaqGS:Class B Co Paramoun	15.88 Common SS&P 500 (I	Communic	Broadcasti Communic	2022
NasdaqGS:Class B Co Paramoun	15.88 Common SS&P 500 (I	Communic	Broadcasti Communic	2023
NasdaqGS:Class B Co Paramoun	15.88 Common SS&P 500 (I	Communic	Broadcasti Communic	2024

NYSE:PH	Common SParker-Har	775.03	Common SS&P 500 (LI	Industrials Industrial	Industrials	2020
NYSE:PH	Common SParker-Har	775.03	Common SS&P 500 (LI	Industrials Industrial	Industrials	2021
NYSE:PH	Common SParker-Har	775.03	Common SS&P 500 (LI	Industrials Industrial	Industrials	2022
NYSE:PH	Common SParker-Har	775.03	Common SS&P 500 (LI	Industrials Industrial	Industrials	2023
NYSE:PH	Common SParker-Har	775.03	Common SS&P 500 (LI	Industrials Industrial	Industrials	2024
NasdaqGS:Common SPayPal Hol		69.68	Common SS&P 500 (LI	Financials Transactio	Financials	2020
NasdaqGS:Common SPayPal Hol		69.68	Common SS&P 500 (LI	Financials Transactio	Financials	2021
NasdaqGS:Common SPayPal Hol		69.68	Common SS&P 500 (LI	Financials Transactio	Financials	2022
NasdaqGS:Common SPayPal Hol		69.68	Common SS&P 500 (LI	Financials Transactio	Financials	2023
NasdaqGS:Common SPayPal Hol		69.68	Common SS&P 500 (LI	Financials Transactio	Financials	2024
NasdaqGS:Common SPaychex, Ir		117.4	Common SS&P 500 (LI	Industrials Human Re	Industrials	2020
NasdaqGS:Common SPaychex, Ir		117.4	Common SS&P 500 (LI	Industrials Human Re	Industrials	2021
NasdaqGS:Common SPaychex, Ir		117.4	Common SS&P 500 (LI	Industrials Human Re	Industrials	2022
NasdaqGS:Common SPaychex, Ir		117.4	Common SS&P 500 (LI	Industrials Human Re	Industrials	2023
NasdaqGS:Common SPaychex, Ir		117.4	Common SS&P 500 (LI	Industrials Human Re	Industrials	2024
NYSE:PAYCCommon SPaycom Sc		186.46	Common SS&P 500 (LI	Industrials Human Re	Industrials	2020
NYSE:PAYCCommon SPaycom Sc		186.46	Common SS&P 500 (LI	Industrials Human Re	Industrials	2021
NYSE:PAYCCommon SPaycom Sc		186.46	Common SS&P 500 (LI	Industrials Human Re	Industrials	2022
NYSE:PAYCCommon SPaycom Sc		186.46	Common SS&P 500 (LI	Industrials Human Re	Industrials	2023
NYSE:PAYCCommon SPaycom Sc		186.46	Common SS&P 500 (LI	Industrials Human Re	Industrials	2024
NYSE:PNR	Common SPentair plc	107.62	Common SS&P 500 (LI	Industrials Industrial	Industrials	2020
NYSE:PNR	Common SPentair plc	107.62	Common SS&P 500 (LI	Industrials Industrial	Industrials	2021
NYSE:PNR	Common SPentair plc	107.62	Common SS&P 500 (LI	Industrials Industrial	Industrials	2022
NYSE:PNR	Common SPentair plc	107.62	Common SS&P 500 (LI	Industrials Industrial	Industrials	2023
NYSE:PNR	Common SPentair plc	107.62	Common SS&P 500 (LI	Industrials Industrial	Industrials	2024
NasdaqGS:Common SPepsiCo, Ir		146.16	Common SS&P 500 (LI	Consumer Soft Drink	Consumer	2020
NasdaqGS:Common SPepsiCo, Ir		146.16	Common SS&P 500 (LI	Consumer Soft Drink	Consumer	2021
NasdaqGS:Common SPepsiCo, Ir		146.16	Common SS&P 500 (LI	Consumer Soft Drink	Consumer	2022
NasdaqGS:Common SPepsiCo, Ir		146.16	Common SS&P 500 (LI	Consumer Soft Drink	Consumer	2023
NasdaqGS:Common SPepsiCo, Ir		146.16	Common SS&P 500 (LI	Consumer Soft Drink	Consumer	2024
NYSE:PFE	Common SPfizer Inc.	24.29	Common SS&P 500 (LI	Health Car Pharmacei	Health Car	2020
NYSE:PFE	Common SPfizer Inc.	24.29	Common SS&P 500 (LI	Health Car Pharmacei	Health Car	2021
NYSE:PFE	Common SPfizer Inc.	24.29	Common SS&P 500 (LI	Health Car Pharmacei	Health Car	2022
NYSE:PFE	Common SPfizer Inc.	24.29	Common SS&P 500 (LI	Health Car Pharmacei	Health Car	2023
NYSE:PFE	Common SPfizer Inc.	24.29	Common SS&P 500 (LI	Health Car Pharmacei	Health Car	2024
NYSE:PM	Common SPhilip Mor	146.77	Common SS&P 500 (LI	Consumer Tobacco	Consumer	2020
NYSE:PM	Common SPhilip Mor	146.77	Common SS&P 500 (LI	Consumer Tobacco	Consumer	2021
NYSE:PM	Common SPhilip Mor	146.77	Common SS&P 500 (LI	Consumer Tobacco	Consumer	2022
NYSE:PM	Common SPhilip Mor	146.77	Common SS&P 500 (LI	Consumer Tobacco	Consumer	2023
NYSE:PM	Common SPhilip Mor	146.77	Common SS&P 500 (LI	Consumer Tobacco	Consumer	2024
NYSE:PSX	Common SPhillips 66	138	Common SS&P 500 (LI	Energy Oil and Ga	Energy (Pr	2020
NYSE:PSX	Common SPhillips 66	138	Common SS&P 500 (LI	Energy Oil and Ga	Energy (Pr	2021
NYSE:PSX	Common SPhillips 66	138	Common SS&P 500 (LI	Energy Oil and Ga	Energy (Pr	2022



NYSE:PSX Common SPhillips 66	138 Common SS&P 500 (LEnergy	Oil and Ga Energy (Pr	2023
NYSE:PSX Common SPhillips 66	138 Common SS&P 500 (LEnergy	Oil and Ga Energy (Pr	2024
NYSE:PNWCommon SPinnacle V	89.12 Common SS&P 500 (LUtilities	Electric UtiUtilities (P	2020
NYSE:PNWCommon SPinnacle V	89.12 Common SS&P 500 (LUtilities	Electric UtiUtilities (P	2021
NYSE:PNWCommon SPinnacle V	89.12 Common SS&P 500 (LUtilities	Electric UtiUtilities (P	2022
NYSE:PNWCommon SPinnacle V	89.12 Common SS&P 500 (LUtilities	Electric UtiUtilities (P	2023
NYSE:PNWCommon SPinnacle V	89.12 Common SS&P 500 (LUtilities	Electric UtiUtilities (P	2024
NasdaqGS:Common SPool Corp	283.55 Common SS&P 500 (LConsumer	DistributorConsumer	2020
NasdaqGS:Common SPool Corp	283.55 Common SS&P 500 (LConsumer	DistributorConsumer	2021
NasdaqGS:Common SPool Corp	283.55 Common SS&P 500 (LConsumer	DistributorConsumer	2022
NasdaqGS:Common SPool Corp	283.55 Common SS&P 500 (LConsumer	DistributorConsumer	2023
NasdaqGS:Common SPool Corp	283.55 Common SS&P 500 (LConsumer	DistributorConsumer	2024
NasdaqGS:Common SPrincipal F	82.43 Common SS&P 500 (LFinancials	Life and HcFinancials	2020
NasdaqGS:Common SPrincipal F	82.43 Common SS&P 500 (LFinancials	Life and HcFinancials	2021
NasdaqGS:Common SPrincipal F	82.43 Common SS&P 500 (LFinancials	Life and HcFinancials	2022
NasdaqGS:Common SPrincipal F	82.43 Common SS&P 500 (LFinancials	Life and HcFinancials	2023
NasdaqGS:Common SPrincipal F	82.43 Common SS&P 500 (LFinancials	Life and HcFinancials	2024
NYSE:PLD New ComrPrologis, Ir	123.47 Common SS&P 500 (LReal EstateIndustrial	Real Estate	2020
NYSE:PLD New ComrPrologis, Ir	123.47 Common SS&P 500 (LReal EstateIndustrial	Real Estate	2021
NYSE:PLD New ComrPrologis, Ir	123.47 Common SS&P 500 (LReal EstateIndustrial	Real Estate	2022
NYSE:PLD New ComrPrologis, Ir	123.47 Common SS&P 500 (LReal EstateIndustrial	Real Estate	2023
NYSE:PLD New ComrPrologis, Ir	123.47 Common SS&P 500 (LReal EstateIndustrial	Real Estate	2024
NYSE:PRU Common SPRudential	101.19 Common SS&P 500 (LFinancials	Life and HcFinancials	2020
NYSE:PRU Common SPRudential	101.19 Common SS&P 500 (LFinancials	Life and HcFinancials	2021
NYSE:PRU Common SPRudential	101.19 Common SS&P 500 (LFinancials	Life and HcFinancials	2022
NYSE:PRU Common SPRudential	101.19 Common SS&P 500 (LFinancials	Life and HcFinancials	2023
NYSE:PRU Common SPRudential	101.19 Common SS&P 500 (LFinancials	Life and HcFinancials	2024
NYSE:PEG Common SPublic Serv	80.29 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2020
NYSE:PEG Common SPublic Serv	80.29 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2021
NYSE:PEG Common SPublic Serv	80.29 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2022
NYSE:PEG Common SPublic Serv	80.29 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2023
NYSE:PEG Common SPublic Serv	80.29 Common SS&P 500 (LUtilities	Multi-UtilitUtilities (P	2024
NYSE:PSA Common SPublic Stor	289.18 Common SS&P 500 (LReal EstateSelf-Storag	Real Estate	2020
NYSE:PSA Common SPublic Stor	289.18 Common SS&P 500 (LReal EstateSelf-Storag	Real Estate	2021
NYSE:PSA Common SPublic Stor	289.18 Common SS&P 500 (LReal EstateSelf-Storag	Real Estate	2022
NYSE:PSA Common SPublic Stor	289.18 Common SS&P 500 (LReal EstateSelf-Storag	Real Estate	2023
NYSE:PSA Common SPublic Stor	289.18 Common SS&P 500 (LReal EstateSelf-Storag	Real Estate	2024
NYSE:PHMCommon SPulteGrou	118.23 Common SS&P 500 (LConsumer Homebuilc	Consumer	2020
NYSE:PHMCommon SPulteGrou	118.23 Common SS&P 500 (LConsumer Homebuilc	Consumer	2021
NYSE:PHMCommon SPulteGrou	118.23 Common SS&P 500 (LConsumer Homebuilc	Consumer	2022
NYSE:PHMCommon SPulteGrou	118.23 Common SS&P 500 (LConsumer Homebuilc	Consumer	2023
NYSE:PHMCommon SPulteGrou	118.23 Common SS&P 500 (LConsumer Homebuilc	Consumer	2024
NasdaqGS Common SQUALCOM	178.67 Common SS&P 500 (LInformatio	SemiconduInformatio	2020

NasdaqGS Common SQUALCOM	178.67 Common SS&P 500 (LInformatioSemiconduInformatio	2021
NasdaqGS Common SQUALCOM	178.67 Common SS&P 500 (LInformatioSemiconduInformatio	2022
NasdaqGS Common SQUALCOM	178.67 Common SS&P 500 (LInformatioSemiconduInformatio	2023
NasdaqGS Common SQUALCOM	178.67 Common SS&P 500 (LInformatioSemiconduInformatio	2024
NYSE:PWRCommon SQuanta Se	448.69 Common SS&P 500 (LIndustrials Constructi Industrials	2020
NYSE:PWRCommon SQuanta Se	448.69 Common SS&P 500 (LIndustrials Constructi Industrials	2021
NYSE:PWRCommon SQuanta Se	448.69 Common SS&P 500 (LIndustrials Constructi Industrials	2022
NYSE:PWRCommon SQuanta Se	448.69 Common SS&P 500 (LIndustrials Constructi Industrials	2023
NYSE:PWRCommon SQuanta Se	448.69 Common SS&P 500 (LIndustrials Constructi Industrials	2024
NYSE:DGX Common SQuest Diag	174.78 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NYSE:DGX Common SQuest Diag	174.78 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NYSE:DGX Common SQuest Diag	174.78 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NYSE:DGX Common SQuest Diag	174.78 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NYSE:DGX Common SQuest Diag	174.78 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:RTX Common SRTX Corpo	176.36 Common SS&P 500 (LIndustrials Aerospace Industrials	2020
NYSE:RTX Common SRTX Corpo	176.36 Common SS&P 500 (LIndustrials Aerospace Industrials	2021
NYSE:RTX Common SRTX Corpo	176.36 Common SS&P 500 (LIndustrials Aerospace Industrials	2022
NYSE:RTX Common SRTX Corpo	176.36 Common SS&P 500 (LIndustrials Aerospace Industrials	2023
NYSE:RTX Common SRTX Corpo	176.36 Common SS&P 500 (LIndustrials Aerospace Industrials	2024
NYSE:RL Class A Co Ralph Laur	327.58 Common SS&P 500 (LConsumer Apparel, A Consumer	2020
NYSE:RL Class A Co Ralph Laur	327.58 Common SS&P 500 (LConsumer Apparel, A Consumer	2021
NYSE:RL Class A Co Ralph Laur	327.58 Common SS&P 500 (LConsumer Apparel, A Consumer	2022
NYSE:RL Class A Co Ralph Laur	327.58 Common SS&P 500 (LConsumer Apparel, A Consumer	2023
NYSE:RL Class A Co Ralph Laur	327.58 Common SS&P 500 (LConsumer Apparel, A Consumer	2024
NYSE:RJF Common SRaymond J	158.25 Common SS&P 500 (LFinancials InvestmenFinancials	2020
NYSE:RJF Common SRaymond J	158.25 Common SS&P 500 (LFinancials InvestmenFinancials	2021
NYSE:RJF Common SRaymond J	158.25 Common SS&P 500 (LFinancials InvestmenFinancials	2022
NYSE:RJF Common SRaymond J	158.25 Common SS&P 500 (LFinancials InvestmenFinancials	2023
NYSE:RJF Common SRaymond J	158.25 Common SS&P 500 (LFinancials InvestmenFinancials	2024
NYSE:O Common SRealty Inc	58.36 Common SS&P 500 (LReal EstateRetail REITReal Estate	2020
NYSE:O Common SRealty Inc	58.36 Common SS&P 500 (LReal EstateRetail REITReal Estate	2021
NYSE:O Common SRealty Inc	58.36 Common SS&P 500 (LReal EstateRetail REITReal Estate	2022
NYSE:O Common SRealty Inc	58.36 Common SS&P 500 (LReal EstateRetail REITReal Estate	2023
NYSE:O Common SRealty Inc	58.36 Common SS&P 500 (LReal EstateRetail REITReal Estate	2024
NasdaqGS:Common SRegency Ci	69.35 Common SS&P 500 (LReal EstateRetail REITReal Estate	2020
NasdaqGS:Common SRegency Ci	69.35 Common SS&P 500 (LReal EstateRetail REITReal Estate	2021
NasdaqGS:Common SRegency Ci	69.35 Common SS&P 500 (LReal EstateRetail REITReal Estate	2022
NasdaqGS:Common SRegency Ci	69.35 Common SS&P 500 (LReal EstateRetail REITReal Estate	2023
NasdaqGS:Common SRegency Ci	69.35 Common SS&P 500 (LReal EstateRetail REITReal Estate	2024
NasdaqGS:Common SRegeneron	652.91 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2020
NasdaqGS:Common SRegeneron	652.91 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2021
NasdaqGS:Common SRegeneron	652.91 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2022
NasdaqGS:Common SRegeneron	652.91 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2023

NasdaqGS:Common SRegeneron	652.91 Common SS&P 500 (LHealth Car BiotechnolHealth Car	2024
NYSE:RF Common SRegions Fir	24.07 Common SS&P 500 (LFinancials Regional BFinancials	2020
NYSE:RF Common SRegions Fir	24.07 Common SS&P 500 (LFinancials Regional BFinancials	2021
NYSE:RF Common SRegions Fir	24.07 Common SS&P 500 (LFinancials Regional BFinancials	2022
NYSE:RF Common SRegions Fir	24.07 Common SS&P 500 (LFinancials Regional BFinancials	2023
NYSE:RF Common SRegions Fir	24.07 Common SS&P 500 (LFinancials Regional BFinancials	2024
NYSE:RSG Common SRepublic S	210.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2020
NYSE:RSG Common SRepublic S	210.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2021
NYSE:RSG Common SRepublic S	210.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2022
NYSE:RSG Common SRepublic S	210.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2023
NYSE:RSG Common SRepublic S	210.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2024
NYSE:RMDCommon SResMed In	253.62 Common SS&P 500 (LHealth Car Health Car Health Car	2020
NYSE:RMDCommon SResMed In	253.62 Common SS&P 500 (LHealth Car Health Car Health Car	2021
NYSE:RMDCommon SResMed In	253.62 Common SS&P 500 (LHealth Car Health Car Health Car	2022
NYSE:RMDCommon SResMed In	253.62 Common SS&P 500 (LHealth Car Health Car Health Car	2023
NYSE:RMDCommon SResMed In	253.62 Common SS&P 500 (LHealth Car Health Car Health Car	2024
NYSE:RVTYCommon SRevvity, In	95.3 Common SS&P 500 (LHealth Car Life Scienc Health Car	2020
NYSE:RVTYCommon SRevvity, In	95.3 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NYSE:RVTYCommon SRevvity, In	95.3 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022
NYSE:RVTYCommon SRevvity, In	95.3 Common SS&P 500 (LHealth Car Life Scienc Health Car	2023
NYSE:RVTYCommon SRevvity, In	95.3 Common SS&P 500 (LHealth Car Life Scienc Health Car	2024
NasdaqGS Class A Co Robinhooc	144.8 Common SS&P 500 (LFinancials InvestmenFinancials	2020
NasdaqGS Class A Co Robinhooc	144.8 Common SS&P 500 (LFinancials InvestmenFinancials	2021
NasdaqGS Class A Co Robinhooc	144.8 Common SS&P 500 (LFinancials InvestmenFinancials	2022
NasdaqGS Class A Co Robinhooc	144.8 Common SS&P 500 (LFinancials InvestmenFinancials	2023
NasdaqGS Class A Co Robinhooc	144.8 Common SS&P 500 (LFinancials InvestmenFinancials	2024
NYSE:ROK Common SRockwell A	368.15 Common SS&P 500 (LIndustrials Electrical Industrials	2020
NYSE:ROK Common SRockwell A	368.15 Common SS&P 500 (LIndustrials Electrical Industrials	2021
NYSE:ROK Common SRockwell A	368.15 Common SS&P 500 (LIndustrials Electrical Industrials	2022
NYSE:ROK Common SRockwell A	368.15 Common SS&P 500 (LIndustrials Electrical Industrials	2023
NYSE:ROK Common SRockwell A	368.15 Common SS&P 500 (LIndustrials Electrical Industrials	2024
NYSE:ROL Common SRollins, Inc	53.87 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2020
NYSE:ROL Common SRollins, Inc	53.87 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2021
NYSE:ROL Common SRollins, Inc	53.87 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2022
NYSE:ROL Common SRollins, Inc	53.87 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2023
NYSE:ROL Common SRollins, Inc	53.87 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2024
NasdaqGS:Common SOper Tech	446.28 Common SS&P 500 (LInformatioApplicatio Informatio	2020
NasdaqGS:Common SOper Tech	446.28 Common SS&P 500 (LInformatioApplicatio Informatio	2021
NasdaqGS:Common SOper Tech	446.28 Common SS&P 500 (LInformatioApplicatio Informatio	2022
NasdaqGS:Common SOper Tech	446.28 Common SS&P 500 (LInformatioApplicatio Informatio	2023
NasdaqGS:Common SOper Tech	446.28 Common SS&P 500 (LInformatioApplicatio Informatio	2024
NasdaqGS:Common SRoss Store	158.34 Common SS&P 500 (LConsumer Apparel ReConsumer	2020
NasdaqGS:Common SRoss Store	158.34 Common SS&P 500 (LConsumer Apparel ReConsumer	2021

NasdaqGS:Common S	Ross Store	158.34	Common SS&P 500 (L	Consumer Apparel Re	Consumer	2022	
NasdaqGS:Common S	Ross Store	158.34	Common SS&P 500 (L	Consumer Apparel Re	Consumer	2023	
NasdaqGS:Common S	Ross Store	158.34	Common SS&P 500 (L	Consumer Apparel Re	Consumer	2024	
NYSE:RCL	Common S	Royal Carit	280.05	Common SS&P 500 (L	Consumer Hotels, Re	Consumer	2020
NYSE:RCL	Common S	Royal Carit	280.05	Common SS&P 500 (L	Consumer Hotels, Re	Consumer	2021
NYSE:RCL	Common S	Royal Carit	280.05	Common SS&P 500 (L	Consumer Hotels, Re	Consumer	2022
NYSE:RCL	Common S	Royal Carit	280.05	Common SS&P 500 (L	Consumer Hotels, Re	Consumer	2023
NYSE:RCL	Common S	Royal Carit	280.05	Common SS&P 500 (L	Consumer Hotels, Re	Consumer	2024
NYSE:SPGI	Common SS&P	Globa	473.05	Common SS&P 500 (L	Financials Financial	Financials	2020
NYSE:SPGI	Common SS&P	Globa	473.05	Common SS&P 500 (L	Financials Financial	Financials	2021
NYSE:SPGI	Common SS&P	Globa	473.05	Common SS&P 500 (L	Financials Financial	Financials	2022
NYSE:SPGI	Common SS&P	Globa	473.05	Common SS&P 500 (L	Financials Financial	Financials	2023
NYSE:SPGI	Common SS&P	Globa	473.05	Common SS&P 500 (L	Financials Financial	Financials	2024
NasdaqGS:Class A Co	SBA Comr	190.42	Common SS&P 500 (L	Real EstateTelecom T	Real Estate	2020	
NasdaqGS:Class A Co	SBA Comr	190.42	Common SS&P 500 (L	Real EstateTelecom T	Real Estate	2021	
NasdaqGS:Class A Co	SBA Comr	190.42	Common SS&P 500 (L	Real EstateTelecom T	Real Estate	2022	
NasdaqGS:Class A Co	SBA Comr	190.42	Common SS&P 500 (L	Real EstateTelecom T	Real Estate	2023	
NasdaqGS:Class A Co	SBA Comr	190.42	Common SS&P 500 (L	Real EstateTelecom T	Real Estate	2024	
NYSE:SLB	Common SSLB	N.V.	36.83	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2020
NYSE:SLB	Common SSLB	N.V.	36.83	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2021
NYSE:SLB	Common SSLB	N.V.	36.83	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2022
NYSE:SLB	Common SSLB	N.V.	36.83	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2023
NYSE:SLB	Common SSLB	N.V.	36.83	Common SS&P 500 (L	Energy Oil and Ga	Energy (Pr	2024
NYSE:STE	New Comr	STERIS plc	236.79	Common SS&P 500 (L	Health CarHealth Car	Health Car	2020
NYSE:STE	New Comr	STERIS plc	236.79	Common SS&P 500 (L	Health CarHealth Car	Health Car	2021
NYSE:STE	New Comr	STERIS plc	236.79	Common SS&P 500 (L	Health CarHealth Car	Health Car	2022
NYSE:STE	New Comr	STERIS plc	236.79	Common SS&P 500 (L	Health CarHealth Car	Health Car	2023
NYSE:STE	New Comr	STERIS plc	236.79	Common SS&P 500 (L	Health CarHealth Car	Health Car	2024
NYSE:CRM	Common S	Salesforce,	251.46	Common SS&P 500 (L	InformatioApplicatio	Informatio	2020
NYSE:CRM	Common S	Salesforce,	251.46	Common SS&P 500 (L	InformatioApplicatio	Informatio	2021
NYSE:CRM	Common S	Salesforce,	251.46	Common SS&P 500 (L	InformatioApplicatio	Informatio	2022
NYSE:CRM	Common S	Salesforce,	251.46	Common SS&P 500 (L	InformatioApplicatio	Informatio	2023
NYSE:CRM	Common S	Salesforce,	251.46	Common SS&P 500 (L	InformatioApplicatio	Informatio	2024
NasdaqGS:Common S	Seagate Te	265.62	Common SS&P 500 (L	InformatioTechnolog	Informatio	2020	
NasdaqGS:Common S	Seagate Te	265.62	Common SS&P 500 (L	InformatioTechnolog	Informatio	2021	
NasdaqGS:Common S	Seagate Te	265.62	Common SS&P 500 (L	InformatioTechnolog	Informatio	2022	
NasdaqGS:Common S	Seagate Te	265.62	Common SS&P 500 (L	InformatioTechnolog	Informatio	2023	
NasdaqGS:Common S	Seagate Te	265.62	Common SS&P 500 (L	InformatioTechnolog	Informatio	2024	
NYSE:SRE	Common S	Sempra	92.2	Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2020
NYSE:SRE	Common S	Sempra	92.2	Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2021
NYSE:SRE	Common S	Sempra	92.2	Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2022
NYSE:SRE	Common S	Sempra	92.2	Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2023
NYSE:SRE	Common S	Sempra	92.2	Common SS&P 500 (L	Utilities Multi-Utilit	Utilities (P	2024

NYSE:NOM Common SServiceNov	911.7 Common SS&P 500 (LI	informatioSystems ScInformatio	2020
NYSE:NOM Common SServiceNov	911.7 Common SS&P 500 (LI	informatioSystems ScInformatio	2021
NYSE:NOM Common SServiceNov	911.7 Common SS&P 500 (LI	informatioSystems ScInformatio	2022
NYSE:NOM Common SServiceNov	911.7 Common SS&P 500 (LI	informatioSystems ScInformatio	2023
NYSE:NOM Common SServiceNov	911.7 Common SS&P 500 (LI	informatioSystems ScInformatio	2024
NYSE:SPG Common SSimon Proj	173.64 Common SS&P 500 (LI	Real EstateRetail REITReal Estate	2020
NYSE:SPG Common SSimon Proj	173.64 Common SS&P 500 (LI	Real EstateRetail REITReal Estate	2021
NYSE:SPG Common SSimon Proj	173.64 Common SS&P 500 (LI	Real EstateRetail REITReal Estate	2022
NYSE:SPG Common SSimon Proj	173.64 Common SS&P 500 (LI	Real EstateRetail REITReal Estate	2023
NYSE:SPG Common SSimon Proj	173.64 Common SS&P 500 (LI	Real EstateRetail REITReal Estate	2024
NasdaqGS:Common SSkyworks S	78.74 Common SS&P 500 (LI	informatioSemiconduInformatio	2020
NasdaqGS:Common SSkyworks S	78.74 Common SS&P 500 (LI	informatioSemiconduInformatio	2021
NasdaqGS:Common SSkyworks S	78.74 Common SS&P 500 (LI	informatioSemiconduInformatio	2022
NasdaqGS:Common SSkyworks S	78.74 Common SS&P 500 (LI	informatioSemiconduInformatio	2023
NasdaqGS:Common SSkyworks S	78.74 Common SS&P 500 (LI	informatioSemiconduInformatio	2024
NYSE:SW New OrdinSmurfit We	37.84 Common SS&P 500 (LI	Materials Paper and Materials (	2020
NYSE:SW New OrdinSmurfit We	37.84 Common SS&P 500 (LI	Materials Paper and Materials (	2021
NYSE:SW New OrdinSmurfit We	37.84 Common SS&P 500 (LI	Materials Paper and Materials (	2022
NYSE:SW New OrdinSmurfit We	37.84 Common SS&P 500 (LI	Materials Paper and Materials (	2023
NYSE:SW New OrdinSmurfit We	37.84 Common SS&P 500 (LI	Materials Paper and Materials (	2024
NYSE:SNA Common SSnap-on In	337.15 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2020
NYSE:SNA Common SSnap-on In	337.15 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2021
NYSE:SNA Common SSnap-on In	337.15 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2022
NYSE:SNA Common SSnap-on In	337.15 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2023
NYSE:SNA Common SSnap-on In	337.15 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2024
NasdaqGS:Common SSolstice Ad	49.25 Common SS&P 500 (LI	Materials Specialty CMaterials (	2020
NasdaqGS:Common SSolstice Ad	49.25 Common SS&P 500 (LI	Materials Specialty CMaterials (	2021
NasdaqGS:Common SSolstice Ad	49.25 Common SS&P 500 (LI	Materials Specialty CMaterials (	2022
NasdaqGS:Common SSolstice Ad	49.25 Common SS&P 500 (LI	Materials Specialty CMaterials (	2023
NasdaqGS:Common SSolstice Ad	49.25 Common SS&P 500 (LI	Materials Specialty CMaterials (	2024
NYSE:SOLV Common SSolventum	69.78 Common SS&P 500 (LI	Health CarHealth CarHealth Car	2020
NYSE:SOLV Common SSolventum	69.78 Common SS&P 500 (LI	Health CarHealth CarHealth Car	2021
NYSE:SOLV Common SSolventum	69.78 Common SS&P 500 (LI	Health CarHealth CarHealth Car	2022
NYSE:SOLV Common SSolventum	69.78 Common SS&P 500 (LI	Health CarHealth CarHealth Car	2023
NYSE:SOLV Common SSolventum	69.78 Common SS&P 500 (LI	Health CarHealth CarHealth Car	2024
NYSE:LUV Common SSouthwest	30.66 Common SS&P 500 (LI	ndustrialsPassenger Industrials	2020
NYSE:LUV Common SSouthwest	30.66 Common SS&P 500 (LI	ndustrialsPassenger Industrials	2021
NYSE:LUV Common SSouthwest	30.66 Common SS&P 500 (LI	ndustrialsPassenger Industrials	2022
NYSE:LUV Common SSouthwest	30.66 Common SS&P 500 (LI	ndustrialsPassenger Industrials	2023
NYSE:LUV Common SSouthwest	30.66 Common SS&P 500 (LI	ndustrialsPassenger Industrials	2024
NYSE:SWK Common SStanley Bla	69.96 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2020
NYSE:SWK Common SStanley Bla	69.96 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2021
NYSE:SWK Common SStanley Bla	69.96 Common SS&P 500 (LI	ndustrialsIndustrial Industrials	2022

NYSE:SWK Common SStanley Bl	69.96 Common SS&P 500 (L	Industrials Industrial	Industrials	2023
NYSE:SWK Common SStanley Bl	69.96 Common SS&P 500 (L	Industrials Industrial	Industrials	2024
NasdaqGS:Common SStarbucks	84.17 Common SS&P 500 (L	Consumer Restaurant	Consumer	2020
NasdaqGS:Common SStarbucks	84.17 Common SS&P 500 (L	Consumer Restaurant	Consumer	2021
NasdaqGS:Common SStarbucks	84.17 Common SS&P 500 (L	Consumer Restaurant	Consumer	2022
NasdaqGS:Common SStarbucks	84.17 Common SS&P 500 (L	Consumer Restaurant	Consumer	2023
NasdaqGS:Common SStarbucks	84.17 Common SS&P 500 (L	Consumer Restaurant	Consumer	2024
NYSE:STT Common SState Stree	116.75 Common SS&P 500 (L	Financials Asset Man	Financials	2020
NYSE:STT Common SState Stree	116.75 Common SS&P 500 (L	Financials Asset Man	Financials	2021
NYSE:STT Common SState Stree	116.75 Common SS&P 500 (L	Financials Asset Man	Financials	2022
NYSE:STT Common SState Stree	116.75 Common SS&P 500 (L	Financials Asset Man	Financials	2023
NYSE:STT Common SState Stree	116.75 Common SS&P 500 (L	Financials Asset Man	Financials	2024
NasdaqGS:Common SSteel Dyna	163.47 Common SS&P 500 (L	Materials Steel	Materials (	2020
NasdaqGS:Common SSteel Dyna	163.47 Common SS&P 500 (L	Materials Steel	Materials (	2021
NasdaqGS:Common SSteel Dyna	163.47 Common SS&P 500 (L	Materials Steel	Materials (	2022
NasdaqGS:Common SSteel Dyna	163.47 Common SS&P 500 (L	Materials Steel	Materials (	2023
NasdaqGS:Common SSteel Dyna	163.47 Common SS&P 500 (L	Materials Steel	Materials (	2024
NYSE:SYK Common SStryker Co	369.59 Common SS&P 500 (L	Health Car Health Car	Health Car	2020
NYSE:SYK Common SStryker Co	369.59 Common SS&P 500 (L	Health Car Health Car	Health Car	2021
NYSE:SYK Common SStryker Co	369.59 Common SS&P 500 (L	Health Car Health Car	Health Car	2022
NYSE:SYK Common SStryker Co	369.59 Common SS&P 500 (L	Health Car Health Car	Health Car	2023
NYSE:SYK Common SStryker Co	369.59 Common SS&P 500 (L	Health Car Health Car	Health Car	2024
NasdaqGS:Common SSuper Micr	52.69 Common SS&P 500 (L	InformatioTechnolog	Informatio	2020
NasdaqGS:Common SSuper Micr	52.69 Common SS&P 500 (L	InformatioTechnolog	Informatio	2021
NasdaqGS:Common SSuper Micr	52.69 Common SS&P 500 (L	InformatioTechnolog	Informatio	2022
NasdaqGS:Common SSuper Micr	52.69 Common SS&P 500 (L	InformatioTechnolog	Informatio	2023
NasdaqGS:Common SSuper Micr	52.69 Common SS&P 500 (L	InformatioTechnolog	Informatio	2024
NYSE:SYF Common SSynchrony	73.21 Common SS&P 500 (L	Financials Consumer	Financials	2020
NYSE:SYF Common SSynchrony	73.21 Common SS&P 500 (L	Financials Consumer	Financials	2021
NYSE:SYF Common SSynchrony	73.21 Common SS&P 500 (L	Financials Consumer	Financials	2022
NYSE:SYF Common SSynchrony	73.21 Common SS&P 500 (L	Financials Consumer	Financials	2023
NYSE:SYF Common SSynchrony	73.21 Common SS&P 500 (L	Financials Consumer	Financials	2024
NasdaqGS:Common SSynopsys,	455.34 Common SS&P 500 (L	InformatioApplicatio	Informatio	2020
NasdaqGS:Common SSynopsys,	455.34 Common SS&P 500 (L	InformatioApplicatio	Informatio	2021
NasdaqGS:Common SSynopsys,	455.34 Common SS&P 500 (L	InformatioApplicatio	Informatio	2022
NasdaqGS:Common SSynopsys,	455.34 Common SS&P 500 (L	InformatioApplicatio	Informatio	2023
NasdaqGS:Common SSynopsys,	455.34 Common SS&P 500 (L	InformatioApplicatio	Informatio	2024
NYSE:YYY Common SSysco Corp	74.29 Common SS&P 500 (L	Consumer Food Distri	Consumer	2020
NYSE:YYY Common SSysco Corp	74.29 Common SS&P 500 (L	Consumer Food Distri	Consumer	2021
NYSE:YYY Common SSysco Corp	74.29 Common SS&P 500 (L	Consumer Food Distri	Consumer	2022
NYSE:YYY Common SSysco Corp	74.29 Common SS&P 500 (L	Consumer Food Distri	Consumer	2023
NYSE:YYY Common SSysco Corp	74.29 Common SS&P 500 (L	Consumer Food Distri	Consumer	2024
NasdaqGS Common ST-Mobile L	215.01 Common SS&P 500 (L	CommunicWireless T	Communic	2020

NasdaqGS Common ST-Mobile L	215.01 Common SS&P 500 (LCommunicWireless T Communic	2021
NasdaqGS Common ST-Mobile L	215.01 Common SS&P 500 (LCommunicWireless T Communic	2022
NasdaqGS Common ST-Mobile L	215.01 Common SS&P 500 (LCommunicWireless T Communic	2023
NasdaqGS Common ST-Mobile L	215.01 Common SS&P 500 (LCommunicWireless T Communic	2024
NasdaqGS Common ST. Rowe Pr	103.51 Common SS&P 500 (LFinancials Asset ManFinancials	2020
NasdaqGS Common ST. Rowe Pr	103.51 Common SS&P 500 (LFinancials Asset ManFinancials	2021
NasdaqGS Common ST. Rowe Pr	103.51 Common SS&P 500 (LFinancials Asset ManFinancials	2022
NasdaqGS Common ST. Rowe Pr	103.51 Common SS&P 500 (LFinancials Asset ManFinancials	2023
NasdaqGS Common ST. Rowe Pr	103.51 Common SS&P 500 (LFinancials Asset ManFinancials	2024
NYSE:TEL RegisteredTE Connec	240.76 Common SS&P 500 (LInformatioElectronic Informatio	2020
NYSE:TEL RegisteredTE Connec	240.76 Common SS&P 500 (LInformatioElectronic Informatio	2021
NYSE:TEL RegisteredTE Connec	240.76 Common SS&P 500 (LInformatioElectronic Informatio	2022
NYSE:TEL RegisteredTE Connec	240.76 Common SS&P 500 (LInformatioElectronic Informatio	2023
NYSE:TEL RegisteredTE Connec	240.76 Common SS&P 500 (LInformatioElectronic Informatio	2024
NYSE:TKO Class A Co TKO Group	186.6 Common SS&P 500 (LCommunicMovies anCommunic	2020
NYSE:TKO Class A Co TKO Group	186.6 Common SS&P 500 (LCommunicMovies anCommunic	2021
NYSE:TKO Class A Co TKO Group	186.6 Common SS&P 500 (LCommunicMovies anCommunic	2022
NYSE:TKO Class A Co TKO Group	186.6 Common SS&P 500 (LCommunicMovies anCommunic	2023
NYSE:TKO Class A Co TKO Group	186.6 Common SS&P 500 (LCommunicMovies anCommunic	2024
NasdaqGS Common STake-Two	251.73 Common SS&P 500 (LCommunicInteractiv Communic	2020
NasdaqGS Common STake-Two	251.73 Common SS&P 500 (LCommunicInteractiv Communic	2021
NasdaqGS Common STake-Two	251.73 Common SS&P 500 (LCommunicInteractiv Communic	2022
NasdaqGS Common STake-Two	251.73 Common SS&P 500 (LCommunicInteractiv Communic	2023
NasdaqGS Common STake-Two	251.73 Common SS&P 500 (LCommunicInteractiv Communic	2024
NYSE:TPR Common STapestry, I	112.92 Common SS&P 500 (LConsumer Apparel, A Consumer	2020
NYSE:TPR Common STapestry, I	112.92 Common SS&P 500 (LConsumer Apparel, A Consumer	2021
NYSE:TPR Common STapestry, I	112.92 Common SS&P 500 (LConsumer Apparel, A Consumer	2022
NYSE:TPR Common STapestry, I	112.92 Common SS&P 500 (LConsumer Apparel, A Consumer	2023
NYSE:TPR Common STapestry, I	112.92 Common SS&P 500 (LConsumer Apparel, A Consumer	2024
NYSE:TRGFCommon STarga Resc	151.38 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2020
NYSE:TRGFCommon STarga Resc	151.38 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2021
NYSE:TRGFCommon STarga Resc	151.38 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2022
NYSE:TRGFCommon STarga Resc	151.38 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2023
NYSE:TRGFCommon STarga Resc	151.38 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2024
NYSE:TGT Common STarget Cor	94.12 Common SS&P 500 (LConsumer Consumer Consumer	2020
NYSE:TGT Common STarget Cor	94.12 Common SS&P 500 (LConsumer Consumer Consumer	2021
NYSE:TGT Common STarget Cor	94.12 Common SS&P 500 (LConsumer Consumer Consumer	2022
NYSE:TGT Common STarget Cor	94.12 Common SS&P 500 (LConsumer Consumer Consumer	2023
NYSE:TGT Common STarget Cor	94.12 Common SS&P 500 (LConsumer Consumer Consumer	2024
NYSE:TDY Common STEledyne T	515.33 Common SS&P 500 (LInformatioElectronic Informatio	2020
NYSE:TDY Common STEledyne T	515.33 Common SS&P 500 (LInformatioElectronic Informatio	2021
NYSE:TDY Common STEledyne T	515.33 Common SS&P 500 (LInformatioElectronic Informatio	2022
NYSE:TDY Common STEledyne T	515.33 Common SS&P 500 (LInformatioElectronic Informatio	2023

NYSE:TDY	Common S	Teledyne T	515.33	Common SS&P 500 (I	Informatio	Electronic	Informatio	2024
NasdaqGS:Common S	Teradyne,		173.94	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2020
NasdaqGS:Common S	Teradyne,		173.94	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2021
NasdaqGS:Common S	Teradyne,		173.94	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2022
NasdaqGS:Common S	Teradyne,		173.94	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2023
NasdaqGS:Common S	Teradyne,		173.94	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2024
NasdaqGS:Common S	Tesla, Inc.		461.51	Common SS&P 500 (I	Consumer	Automobil	Consumer	2020
NasdaqGS:Common S	Tesla, Inc.		461.51	Common SS&P 500 (I	Consumer	Automobil	Consumer	2021
NasdaqGS:Common S	Tesla, Inc.		461.51	Common SS&P 500 (I	Consumer	Automobil	Consumer	2022
NasdaqGS:Common S	Tesla, Inc.		461.51	Common SS&P 500 (I	Consumer	Automobil	Consumer	2023
NasdaqGS:Common S	Tesla, Inc.		461.51	Common SS&P 500 (I	Consumer	Automobil	Consumer	2024
NasdaqGS:Common S	Texas Inst		160.26	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2020
NasdaqGS:Common S	Texas Inst		160.26	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2021
NasdaqGS:Common S	Texas Inst		160.26	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2022
NasdaqGS:Common S	Texas Inst		160.26	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2023
NasdaqGS:Common S	Texas Inst		160.26	Common SS&P 500 (I	Informatio	Semicondu	Informatio	2024
NYSE:TPL	Common S	Texas Pacil	924.4	Common SS&P 500 (I	Energy	Oil and Ga	Energy (Pr	2020
NYSE:TPL	Common S	Texas Pacil	924.4	Common SS&P 500 (I	Energy	Oil and Ga	Energy (Pr	2021
NYSE:TPL	Common S	Texas Pacil	924.4	Common SS&P 500 (I	Energy	Oil and Ga	Energy (Pr	2022
NYSE:TPL	Common S	Texas Pacil	924.4	Common SS&P 500 (I	Energy	Oil and Ga	Energy (Pr	2023
NYSE:TPL	Common S	Texas Pacil	924.4	Common SS&P 500 (I	Energy	Oil and Ga	Energy (Pr	2024
NYSE:TXT	Common S	Textron In	79.99	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2020
NYSE:TXT	Common S	Textron In	79.99	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2021
NYSE:TXT	Common S	Textron In	79.99	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2022
NYSE:TXT	Common S	Textron In	79.99	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2023
NYSE:TXT	Common S	Textron In	79.99	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2024
NYSE:AES	Common S	The AES Cc	14.37	Common SS&P 500 (I	Utilities	Independe	Utilities (P	2020
NYSE:AES	Common S	The AES Cc	14.37	Common SS&P 500 (I	Utilities	Independe	Utilities (P	2021
NYSE:AES	Common S	The AES Cc	14.37	Common SS&P 500 (I	Utilities	Independe	Utilities (P	2022
NYSE:AES	Common S	The AES Cc	14.37	Common SS&P 500 (I	Utilities	Independe	Utilities (P	2023
NYSE:AES	Common S	The AES Cc	14.37	Common SS&P 500 (I	Utilities	Independe	Utilities (P	2024
NYSE:ALL	Common S	The Allstat	190	Common SS&P 500 (I	Financials	Property a	Financials	2020
NYSE:ALL	Common S	The Allstat	190	Common SS&P 500 (I	Financials	Property a	Financials	2021
NYSE:ALL	Common S	The Allstat	190	Common SS&P 500 (I	Financials	Property a	Financials	2022
NYSE:ALL	Common S	The Allstat	190	Common SS&P 500 (I	Financials	Property a	Financials	2023
NYSE:ALL	Common S	The Allstat	190	Common SS&P 500 (I	Financials	Property a	Financials	2024
NYSE:BK	Common S	The Bank c	107.05	Common SS&P 500 (I	Financials	Asset Man	Financials	2020
NYSE:BK	Common S	The Bank c	107.05	Common SS&P 500 (I	Financials	Asset Man	Financials	2021
NYSE:BK	Common S	The Bank c	107.05	Common SS&P 500 (I	Financials	Asset Man	Financials	2022
NYSE:BK	Common S	The Bank c	107.05	Common SS&P 500 (I	Financials	Asset Man	Financials	2023
NYSE:BK	Common S	The Bank c	107.05	Common SS&P 500 (I	Financials	Asset Man	Financials	2024
NYSE:BA	Common S	The Boein	213.58	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2020
NYSE:BA	Common S	The Boein	213.58	Common SS&P 500 (I	Industrials	Aerospace	Industrials	2021



NYSE:BA	Common S	The Boein	213.58	Common SS&P 500 (I	Industrials Aerospace	Industrials	2022
NYSE:BA	Common S	The Boein	213.58	Common SS&P 500 (I	Industrials Aerospace	Industrials	2023
NYSE:BA	Common S	The Boein	213.58	Common SS&P 500 (I	Industrials Aerospace	Industrials	2024
NasdaqGS:	Common S	The Camp	29.98	Common SS&P 500 (I	Consumer Packaged	IConsumer	2020
NasdaqGS:	Common S	The Camp	29.98	Common SS&P 500 (I	Consumer Packaged	IConsumer	2021
NasdaqGS:	Common S	The Camp	29.98	Common SS&P 500 (I	Consumer Packaged	IConsumer	2022
NasdaqGS:	Common S	The Camp	29.98	Common SS&P 500 (I	Consumer Packaged	IConsumer	2023
NasdaqGS:	Common S	The Camp	29.98	Common SS&P 500 (I	Consumer Packaged	IConsumer	2024
NYSE:SCH	Common S	The Charle	94.61	Common SS&P 500 (I	Financials Investmen	Financials	2020
NYSE:SCH	Common S	The Charle	94.61	Common SS&P 500 (I	Financials Investmen	Financials	2021
NYSE:SCH	Common S	The Charle	94.61	Common SS&P 500 (I	Financials Investmen	Financials	2022
NYSE:SCH	Common S	The Charle	94.61	Common SS&P 500 (I	Financials Investmen	Financials	2023
NYSE:SCH	Common S	The Charle	94.61	Common SS&P 500 (I	Financials Investmen	Financials	2024
NYSE:CI	Common S	The Cigna	299.12	Common SS&P 500 (I	Health Car Health Car	Health Car	2020
NYSE:CI	Common S	The Cigna	299.12	Common SS&P 500 (I	Health Car Health Car	Health Car	2021
NYSE:CI	Common S	The Cigna	299.12	Common SS&P 500 (I	Health Car Health Car	Health Car	2022
NYSE:CI	Common S	The Cigna	299.12	Common SS&P 500 (I	Health Car Health Car	Health Car	2023
NYSE:CI	Common S	The Cigna	299.12	Common SS&P 500 (I	Health Car Health Car	Health Car	2024
NYSE:CLX	Common S	The Cloro	110.67	Common SS&P 500 (I	Consumer Household	Consumer	2020
NYSE:CLX	Common S	The Cloro	110.67	Common SS&P 500 (I	Consumer Household	Consumer	2021
NYSE:CLX	Common S	The Cloro	110.67	Common SS&P 500 (I	Consumer Household	Consumer	2022
NYSE:CLX	Common S	The Cloro	110.67	Common SS&P 500 (I	Consumer Household	Consumer	2023
NYSE:CLX	Common S	The Cloro	110.67	Common SS&P 500 (I	Consumer Household	Consumer	2024
NYSE:KO	Common S	The Coca-	68.35	Common SS&P 500 (I	Consumer Soft Drink	Consumer	2020
NYSE:KO	Common S	The Coca-	68.35	Common SS&P 500 (I	Consumer Soft Drink	Consumer	2021
NYSE:KO	Common S	The Coca-	68.35	Common SS&P 500 (I	Consumer Soft Drink	Consumer	2022
NYSE:KO	Common S	The Coca-	68.35	Common SS&P 500 (I	Consumer Soft Drink	Consumer	2023
NYSE:KO	Common S	The Coca-	68.35	Common SS&P 500 (I	Consumer Soft Drink	Consumer	2024
NasdaqGS:	Common S	The Coope	69.58	Common SS&P 500 (I	Health Car Health Car	Health Car	2020
NasdaqGS:	Common S	The Coope	69.58	Common SS&P 500 (I	Health Car Health Car	Health Car	2021
NasdaqGS:	Common S	The Coope	69.58	Common SS&P 500 (I	Health Car Health Car	Health Car	2022
NasdaqGS:	Common S	The Coope	69.58	Common SS&P 500 (I	Health Car Health Car	Health Car	2023
NasdaqGS:	Common S	The Coope	69.58	Common SS&P 500 (I	Health Car Health Car	Health Car	2024
NYSE:EL	Class A Co	The Estée	97.36	Common SS&P 500 (I	Consumer Personal C	Consumer	2020
NYSE:EL	Class A Co	The Estée	97.36	Common SS&P 500 (I	Consumer Personal C	Consumer	2021
NYSE:EL	Class A Co	The Estée	97.36	Common SS&P 500 (I	Consumer Personal C	Consumer	2022
NYSE:EL	Class A Co	The Estée	97.36	Common SS&P 500 (I	Consumer Personal C	Consumer	2023
NYSE:EL	Class A Co	The Estée	97.36	Common SS&P 500 (I	Consumer Personal C	Consumer	2024
NYSE:GS	Common S	The Goldm	783.06	Common SS&P 500 (I	Financials Investmen	Financials	2020
NYSE:GS	Common S	The Goldm	783.06	Common SS&P 500 (I	Financials Investmen	Financials	2021
NYSE:GS	Common S	The Goldm	783.06	Common SS&P 500 (I	Financials Investmen	Financials	2022
NYSE:GS	Common S	The Goldm	783.06	Common SS&P 500 (I	Financials Investmen	Financials	2023
NYSE:GS	Common S	The Goldm	783.06	Common SS&P 500 (I	Financials Investmen	Financials	2024

NYSE:HIG	Common S	The Hartfo	122.36	Common SS&P 500 (L	Financials	Property a	Financials	2020
NYSE:HIG	Common S	The Hartfo	122.36	Common SS&P 500 (L	Financials	Property a	Financials	2021
NYSE:HIG	Common S	The Hartfo	122.36	Common SS&P 500 (L	Financials	Property a	Financials	2022
NYSE:HIG	Common S	The Hartfo	122.36	Common SS&P 500 (L	Financials	Property a	Financials	2023
NYSE:HIG	Common S	The Hartfo	122.36	Common SS&P 500 (L	Financials	Property a	Financials	2024
NYSE:HSY	Common S	The Hersh	175.28	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2020
NYSE:HSY	Common S	The Hersh	175.28	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2021
NYSE:HSY	Common S	The Hersh	175.28	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2022
NYSE:HSY	Common S	The Hersh	175.28	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2023
NYSE:HSY	Common S	The Hersh	175.28	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2024
NYSE:HD	Common S	The Home	378.04	Common SS&P 500 (L	Consumer	Home Imp	Consumer	2020
NYSE:HD	Common S	The Home	378.04	Common SS&P 500 (L	Consumer	Home Imp	Consumer	2021
NYSE:HD	Common S	The Home	378.04	Common SS&P 500 (L	Consumer	Home Imp	Consumer	2022
NYSE:HD	Common S	The Home	378.04	Common SS&P 500 (L	Consumer	Home Imp	Consumer	2023
NYSE:HD	Common S	The Home	378.04	Common SS&P 500 (L	Consumer	Home Imp	Consumer	2024
NYSE:IPG	Common S	The Interp	25.76	Common SS&P 500 (L	Communic	Advertising	Communic	2020
NYSE:IPG	Common S	The Interp	25.76	Common SS&P 500 (L	Communic	Advertising	Communic	2021
NYSE:IPG	Common S	The Interp	25.76	Common SS&P 500 (L	Communic	Advertising	Communic	2022
NYSE:IPG	Common S	The Interp	25.76	Common SS&P 500 (L	Communic	Advertising	Communic	2023
NYSE:IPG	Common S	The Interp	25.76	Common SS&P 500 (L	Communic	Advertising	Communic	2024
NYSE:SJM	Common S	The J. M.	101.21	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2020
NYSE:SJM	Common S	The J. M.	101.21	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2021
NYSE:SJM	Common S	The J. M.	101.21	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2022
NYSE:SJM	Common S	The J. M.	101.21	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2023
NYSE:SJM	Common S	The J. M.	101.21	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2024
NasdaqGS:	New Comr	The Kraft	24.38	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2020
NasdaqGS:	New Comr	The Kraft	24.38	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2021
NasdaqGS:	New Comr	The Kraft	24.38	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2022
NasdaqGS:	New Comr	The Kraft	24.38	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2023
NasdaqGS:	New Comr	The Kraft	24.38	Common SS&P 500 (L	Consumer	Packaged I	Consumer	2024
NYSE:KR	Common S	The Kroger	66.04	Common SS&P 500 (L	Consumer	Food Retai	Consumer	2020
NYSE:KR	Common S	The Kroger	66.04	Common SS&P 500 (L	Consumer	Food Retai	Consumer	2021
NYSE:KR	Common S	The Kroger	66.04	Common SS&P 500 (L	Consumer	Food Retai	Consumer	2022
NYSE:KR	Common S	The Kroger	66.04	Common SS&P 500 (L	Consumer	Food Retai	Consumer	2023
NYSE:KR	Common S	The Kroger	66.04	Common SS&P 500 (L	Consumer	Food Retai	Consumer	2024
NYSE:MOS	Common S	The Mosai	28.65	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2020
NYSE:MOS	Common S	The Mosai	28.65	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2021
NYSE:MOS	Common S	The Mosai	28.65	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2022
NYSE:MOS	Common S	The Mosai	28.65	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2023
NYSE:MOS	Common S	The Mosai	28.65	Common SS&P 500 (L	Materials	Fertilizers	Materials (	2024
NYSE:PNC	Common S	The PNC Fi	181.02	Common SS&P 500 (L	Financials	Diversified	Financials	2020
NYSE:PNC	Common S	The PNC Fi	181.02	Common SS&P 500 (L	Financials	Diversified	Financials	2021
NYSE:PNC	Common S	The PNC Fi	181.02	Common SS&P 500 (L	Financials	Diversified	Financials	2022

NYSE:PNC	Common S	The PNC Fi	181.02	Common SS&P 500 (I	Financials	Diversified	Financials	2023
NYSE:PNC	Common S	The PNC Fi	181.02	Common SS&P 500 (I	Financials	Diversified	Financials	2024
NYSE:PG	Common S	The Proct	148.77	Common SS&P 500 (I	Consumer	Household	Consumer	2020
NYSE:PG	Common S	The Proct	148.77	Common SS&P 500 (I	Consumer	Household	Consumer	2021
NYSE:PG	Common S	The Proct	148.77	Common SS&P 500 (I	Consumer	Household	Consumer	2022
NYSE:PG	Common S	The Proct	148.77	Common SS&P 500 (I	Consumer	Household	Consumer	2023
NYSE:PG	Common S	The Proct	148.77	Common SS&P 500 (I	Consumer	Household	Consumer	2024
NYSE:PGR	Common S	The Progre	207.97	Common SS&P 500 (I	Financials	Property a	Financials	2020
NYSE:PGR	Common S	The Progre	207.97	Common SS&P 500 (I	Financials	Property a	Financials	2021
NYSE:PGR	Common S	The Progre	207.97	Common SS&P 500 (I	Financials	Property a	Financials	2022
NYSE:PGR	Common S	The Progre	207.97	Common SS&P 500 (I	Financials	Property a	Financials	2023
NYSE:PGR	Common S	The Progre	207.97	Common SS&P 500 (I	Financials	Property a	Financials	2024
NYSE:SHW	Common S	The Sherw	345.73	Common SS&P 500 (I	Materials	Specialty C	Materials (	2020
NYSE:SHW	Common S	The Sherw	345.73	Common SS&P 500 (I	Materials	Specialty C	Materials (	2021
NYSE:SHW	Common S	The Sherw	345.73	Common SS&P 500 (I	Materials	Specialty C	Materials (	2022
NYSE:SHW	Common S	The Sherw	345.73	Common SS&P 500 (I	Materials	Specialty C	Materials (	2023
NYSE:SHW	Common S	The Sherw	345.73	Common SS&P 500 (I	Materials	Specialty C	Materials (	2024
NYSE:SO	Common S	The South	93.51	Common SS&P 500 (I	Utilities	Electric Ut	Utilities (P	2020
NYSE:SO	Common S	The South	93.51	Common SS&P 500 (I	Utilities	Electric Ut	Utilities (P	2021
NYSE:SO	Common S	The South	93.51	Common SS&P 500 (I	Utilities	Electric Ut	Utilities (P	2022
NYSE:SO	Common S	The South	93.51	Common SS&P 500 (I	Utilities	Electric Ut	Utilities (P	2023
NYSE:SO	Common S	The South	93.51	Common SS&P 500 (I	Utilities	Electric Ut	Utilities (P	2024
NYSE:TJX	Common S	The TJX Co	141.69	Common SS&P 500 (I	Consumer	Apparel Re	Consumer	2020
NYSE:TJX	Common S	The TJX Co	141.69	Common SS&P 500 (I	Consumer	Apparel Re	Consumer	2021
NYSE:TJX	Common S	The TJX Co	141.69	Common SS&P 500 (I	Consumer	Apparel Re	Consumer	2022
NYSE:TJX	Common S	The TJX Co	141.69	Common SS&P 500 (I	Consumer	Apparel Re	Consumer	2023
NYSE:TJX	Common S	The TJX Co	141.69	Common SS&P 500 (I	Consumer	Apparel Re	Consumer	2024
NasdaqGM	Class A Co	The Trade	49.96	Common SS&P 500 (I	Communic	Advertising	Communic	2020
NasdaqGM	Class A Co	The Trade	49.96	Common SS&P 500 (I	Communic	Advertising	Communic	2021
NasdaqGM	Class A Co	The Trade	49.96	Common SS&P 500 (I	Communic	Advertising	Communic	2022
NasdaqGM	Class A Co	The Trade	49.96	Common SS&P 500 (I	Communic	Advertising	Communic	2023
NasdaqGM	Class A Co	The Trade	49.96	Common SS&P 500 (I	Communic	Advertising	Communic	2024
NYSE:TRV	Common S	The Travel	267.91	Common SS&P 500 (I	Financials	Property a	Financials	2020
NYSE:TRV	Common S	The Travel	267.91	Common SS&P 500 (I	Financials	Property a	Financials	2021
NYSE:TRV	Common S	The Travel	267.91	Common SS&P 500 (I	Financials	Property a	Financials	2022
NYSE:TRV	Common S	The Travel	267.91	Common SS&P 500 (I	Financials	Property a	Financials	2023
NYSE:TRV	Common S	The Travel	267.91	Common SS&P 500 (I	Financials	Property a	Financials	2024
NYSE:DIS	Common S	The Walt C	110.24	Common SS&P 500 (I	Communic	Movies an	Communic	2020
NYSE:DIS	Common S	The Walt C	110.24	Common SS&P 500 (I	Communic	Movies an	Communic	2021
NYSE:DIS	Common S	The Walt C	110.24	Common SS&P 500 (I	Communic	Movies an	Communic	2022
NYSE:DIS	Common S	The Walt C	110.24	Common SS&P 500 (I	Communic	Movies an	Communic	2023
NYSE:DIS	Common S	The Walt C	110.24	Common SS&P 500 (I	Communic	Movies an	Communic	2024
NYSE:WMI	Common S	The Willia	56.98	Common SS&P 500 (I	Energy	Oil and Ga	Energy (Pr	2020

NYSE:WMICommon SThe Willia	56.98 Common SS&P 500 (LEnergy	Oil and Ga Energy (Pr	2021
NYSE:WMICommon SThe Willia	56.98 Common SS&P 500 (LEnergy	Oil and Ga Energy (Pr	2022
NYSE:WMICommon SThe Willia	56.98 Common SS&P 500 (LEnergy	Oil and Ga Energy (Pr	2023
NYSE:WMICommon SThe Willia	56.98 Common SS&P 500 (LEnergy	Oil and Ga Energy (Pr	2024
NYSE:TMOCommon SThermo Fis	558.31 Common SS&P 500 (LHealth Car Life Scienc Health Car		2020
NYSE:TMOCommon SThermo Fis	558.31 Common SS&P 500 (LHealth Car Life Scienc Health Car		2021
NYSE:TMOCommon SThermo Fis	558.31 Common SS&P 500 (LHealth Car Life Scienc Health Car		2022
NYSE:TMOCommon SThermo Fis	558.31 Common SS&P 500 (LHealth Car Life Scienc Health Car		2023
NYSE:TMOCommon SThermo Fis	558.31 Common SS&P 500 (LHealth Car Life Scienc Health Car		2024
NasdaqGS:Common STractor Su	54.24 Common SS&P 500 (LConsumer Other SpecConsumer		2020
NasdaqGS:Common STractor Su	54.24 Common SS&P 500 (LConsumer Other SpecConsumer		2021
NasdaqGS:Common STractor Su	54.24 Common SS&P 500 (LConsumer Other SpecConsumer		2022
NasdaqGS:Common STractor Su	54.24 Common SS&P 500 (LConsumer Other SpecConsumer		2023
NasdaqGS:Common STractor Su	54.24 Common SS&P 500 (LConsumer Other SpecConsumer		2024
NYSE:TT Common STrane Tech	427.48 Common SS&P 500 (LIndustrials Building PrIndustrials		2020
NYSE:TT Common STrane Tech	427.48 Common SS&P 500 (LIndustrials Building PrIndustrials		2021
NYSE:TT Common STrane Tech	427.48 Common SS&P 500 (LIndustrials Building PrIndustrials		2022
NYSE:TT Common STrane Tech	427.48 Common SS&P 500 (LIndustrials Building PrIndustrials		2023
NYSE:TT Common STrane Tech	427.48 Common SS&P 500 (LIndustrials Building PrIndustrials		2024
NYSE:TDG Common STransDigm	1316 Common SS&P 500 (LIndustrials Aerospace Industrials		2020
NYSE:TDG Common STransDigm	1316 Common SS&P 500 (LIndustrials Aerospace Industrials		2021
NYSE:TDG Common STransDigm	1316 Common SS&P 500 (LIndustrials Aerospace Industrials		2022
NYSE:TDG Common STransDigm	1316 Common SS&P 500 (LIndustrials Aerospace Industrials		2023
NYSE:TDG Common STransDigm	1316 Common SS&P 500 (LIndustrials Aerospace Industrials		2024
NasdaqGS Common STrimble Inc	79.39 Common SS&P 500 (LInformatioElectronic Informatio		2020
NasdaqGS Common STrimble Inc	79.39 Common SS&P 500 (LInformatioElectronic Informatio		2021
NasdaqGS Common STrimble Inc	79.39 Common SS&P 500 (LInformatioElectronic Informatio		2022
NasdaqGS Common STrimble Inc	79.39 Common SS&P 500 (LInformatioElectronic Informatio		2023
NasdaqGS Common STrimble Inc	79.39 Common SS&P 500 (LInformatioElectronic Informatio		2024
NYSE:TFC Common STruist Fina	43.91 Common SS&P 500 (LFinancials Regional BFinancials		2020
NYSE:TFC Common STruist Fina	43.91 Common SS&P 500 (LFinancials Regional BFinancials		2021
NYSE:TFC Common STruist Fina	43.91 Common SS&P 500 (LFinancials Regional BFinancials		2022
NYSE:TFC Common STruist Fina	43.91 Common SS&P 500 (LFinancials Regional BFinancials		2023
NYSE:TFC Common STruist Fina	43.91 Common SS&P 500 (LFinancials Regional BFinancials		2024
NYSE:TYL Common STyler Tech	478 Common SS&P 500 (LInformatioApplicatio Informatio		2020
NYSE:TYL Common STyler Tech	478 Common SS&P 500 (LInformatioApplicatio Informatio		2021
NYSE:TYL Common STyler Tech	478 Common SS&P 500 (LInformatioApplicatio Informatio		2022
NYSE:TYL Common STyler Tech	478 Common SS&P 500 (LInformatioApplicatio Informatio		2023
NYSE:TYL Common STyler Tech	478 Common SS&P 500 (LInformatioApplicatio Informatio		2024
NYSE:TSN Class A Co Tyson Foo	50.72 Common SS&P 500 (LConsumer Packaged IConsumer		2020
NYSE:TSN Class A Co Tyson Foo	50.72 Common SS&P 500 (LConsumer Packaged IConsumer		2021
NYSE:TSN Class A Co Tyson Foo	50.72 Common SS&P 500 (LConsumer Packaged IConsumer		2022
NYSE:TSN Class A Co Tyson Foo	50.72 Common SS&P 500 (LConsumer Packaged IConsumer		2023

NYSE:TSN Class A Co Tyson Foo	50.72 Common SS&P 500 (LConsumer Packaged FConsumer	2024
NYSE:USB Common SU.S. Banco	46.64 Common SS&P 500 (LFinancials DiversifiedFinancials	2020
NYSE:USB Common SU.S. Banco	46.64 Common SS&P 500 (LFinancials DiversifiedFinancials	2021
NYSE:USB Common SU.S. Banco	46.64 Common SS&P 500 (LFinancials DiversifiedFinancials	2022
NYSE:USB Common SU.S. Banco	46.64 Common SS&P 500 (LFinancials DiversifiedFinancials	2023
NYSE:USB Common SU.S. Banco	46.64 Common SS&P 500 (LFinancials DiversifiedFinancials	2024
NYSE:UDR Common SUDR, Inc.	33.56 Common SS&P 500 (LReal EstateMulti-FamReal Estate	2020
NYSE:UDR Common SUDR, Inc.	33.56 Common SS&P 500 (LReal EstateMulti-FamReal Estate	2021
NYSE:UDR Common SUDR, Inc.	33.56 Common SS&P 500 (LReal EstateMulti-FamReal Estate	2022
NYSE:UDR Common SUDR, Inc.	33.56 Common SS&P 500 (LReal EstateMulti-FamReal Estate	2023
NYSE:UDR Common SUDR, Inc.	33.56 Common SS&P 500 (LReal EstateMulti-FamReal Estate	2024
NYSE:UBEFCommon SUber Tech	95.76 Common SS&P 500 (LIndustrials Passenger Industrials	2020
NYSE:UBEFCommon SUber Tech	95.76 Common SS&P 500 (LIndustrials Passenger Industrials	2021
NYSE:UBEFCommon SUber Tech	95.76 Common SS&P 500 (LIndustrials Passenger Industrials	2022
NYSE:UBEFCommon SUber Tech	95.76 Common SS&P 500 (LIndustrials Passenger Industrials	2023
NYSE:UBEFCommon SUber Tech	95.76 Common SS&P 500 (LIndustrials Passenger Industrials	2024
NasdaqGS:Common SULTa Beaut	506.07 Common SS&P 500 (LConsumer Other SpecConsumer	2020
NasdaqGS:Common SULTa Beaut	506.07 Common SS&P 500 (LConsumer Other SpecConsumer	2021
NasdaqGS:Common SULTa Beaut	506.07 Common SS&P 500 (LConsumer Other SpecConsumer	2022
NasdaqGS:Common SULTa Beaut	506.07 Common SS&P 500 (LConsumer Other SpecConsumer	2023
NasdaqGS:Common SULTa Beaut	506.07 Common SS&P 500 (LConsumer Other SpecConsumer	2024
NYSE:UNP Common SUnion Paci	216.37 Common SS&P 500 (LIndustrials Rail TranspIndustrials	2020
NYSE:UNP Common SUnion Paci	216.37 Common SS&P 500 (LIndustrials Rail TranspIndustrials	2021
NYSE:UNP Common SUnion Paci	216.37 Common SS&P 500 (LIndustrials Rail TranspIndustrials	2022
NYSE:UNP Common SUnion Paci	216.37 Common SS&P 500 (LIndustrials Rail TranspIndustrials	2023
NYSE:UNP Common SUnion Paci	216.37 Common SS&P 500 (LIndustrials Rail TranspIndustrials	2024
NasdaqGS:Common SUnited Airl	95.93 Common SS&P 500 (LIndustrials Passenger Industrials	2020
NasdaqGS:Common SUnited Airl	95.93 Common SS&P 500 (LIndustrials Passenger Industrials	2021
NasdaqGS:Common SUnited Airl	95.93 Common SS&P 500 (LIndustrials Passenger Industrials	2022
NasdaqGS:Common SUnited Airl	95.93 Common SS&P 500 (LIndustrials Passenger Industrials	2023
NasdaqGS:Common SUnited Airl	95.93 Common SS&P 500 (LIndustrials Passenger Industrials	2024
NYSE:UPS Class B Co United Par	97.4 Common SS&P 500 (LIndustrials Air Freight Industrials	2020
NYSE:UPS Class B Co United Par	97.4 Common SS&P 500 (LIndustrials Air Freight Industrials	2021
NYSE:UPS Class B Co United Par	97.4 Common SS&P 500 (LIndustrials Air Freight Industrials	2022
NYSE:UPS Class B Co United Par	97.4 Common SS&P 500 (LIndustrials Air Freight Industrials	2023
NYSE:UPS Class B Co United Par	97.4 Common SS&P 500 (LIndustrials Air Freight Industrials	2024
NYSE:URI Common SUnited Rer	870.78 Common SS&P 500 (LIndustrials Trading CoIndustrials	2020
NYSE:URI Common SUnited Rer	870.78 Common SS&P 500 (LIndustrials Trading CoIndustrials	2021
NYSE:URI Common SUnited Rer	870.78 Common SS&P 500 (LIndustrials Trading CoIndustrials	2022
NYSE:URI Common SUnited Rer	870.78 Common SS&P 500 (LIndustrials Trading CoIndustrials	2023
NYSE:URI Common SUnited Rer	870.78 Common SS&P 500 (LIndustrials Trading CoIndustrials	2024
NYSE:UNH Common SUnitedHea	355.26 Common SS&P 500 (LHealth CarManaged IHealth Car	2020
NYSE:UNH Common SUnitedHea	355.26 Common SS&P 500 (LHealth CarManaged IHealth Car	2021

NYSE:UNH Common SUnitedHea	355.26 Common SS&P 500 (LHealth CarManaged IHealth Car	2022
NYSE:UNH Common SUnitedHea	355.26 Common SS&P 500 (LHealth CarManaged IHealth Car	2023
NYSE:UNH Common SUnitedHea	355.26 Common SS&P 500 (LHealth CarManaged IHealth Car	2024
NYSE:UHS Class B Co Universal t	225.3 Common SS&P 500 (LHealth CarHealth CarHealth Car	2020
NYSE:UHS Class B Co Universal t	225.3 Common SS&P 500 (LHealth CarHealth CarHealth Car	2021
NYSE:UHS Class B Co Universal t	225.3 Common SS&P 500 (LHealth CarHealth CarHealth Car	2022
NYSE:UHS Class B Co Universal t	225.3 Common SS&P 500 (LHealth CarHealth CarHealth Car	2023
NYSE:UHS Class B Co Universal t	225.3 Common SS&P 500 (LHealth CarHealth CarHealth Car	2024
NYSE:VICI Common SVICI Prope	29.7 Common SS&P 500 (LReal EstateOther SpecReal Estate	2020
NYSE:VICI Common SVICI Prope	29.7 Common SS&P 500 (LReal EstateOther SpecReal Estate	2021
NYSE:VICI Common SVICI Prope	29.7 Common SS&P 500 (LReal EstateOther SpecReal Estate	2022
NYSE:VICI Common SVICI Prope	29.7 Common SS&P 500 (LReal EstateOther SpecReal Estate	2023
NYSE:VICI Common SVICI Prope	29.7 Common SS&P 500 (LReal EstateOther SpecReal Estate	2024
NYSE:VLO Common SValero Ene	170.66 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2020
NYSE:VLO Common SValero Ene	170.66 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2021
NYSE:VLO Common SValero Ene	170.66 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2022
NYSE:VLO Common SValero Ene	170.66 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2023
NYSE:VLO Common SValero Ene	170.66 Common SS&P 500 (LEnergy Oil and Ga Energy (Pr	2024
NYSE:VTR Common SVentas, Inc	69.78 Common SS&P 500 (LReal EstateHealth CarReal Estate	2020
NYSE:VTR Common SVentas, Inc	69.78 Common SS&P 500 (LReal EstateHealth CarReal Estate	2021
NYSE:VTR Common SVentas, Inc	69.78 Common SS&P 500 (LReal EstateHealth CarReal Estate	2022
NYSE:VTR Common SVentas, Inc	69.78 Common SS&P 500 (LReal EstateHealth CarReal Estate	2023
NYSE:VTR Common SVentas, Inc	69.78 Common SS&P 500 (LReal EstateHealth CarReal Estate	2024
NYSE:VLTCCCommon SVeralto Co	99.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2020
NYSE:VLTCCCommon SVeralto Co	99.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2021
NYSE:VLTCCCommon SVeralto Co	99.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2022
NYSE:VLTCCCommon SVeralto Co	99.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2023
NYSE:VLTCCCommon SVeralto Co	99.5 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2024
NasdaqGS:Common SVeriSign, Ir	232.82 Common SS&P 500 (LInformatioInternet SeInformatio	2020
NasdaqGS:Common SVeriSign, Ir	232.82 Common SS&P 500 (LInformatioInternet SeInformatio	2021
NasdaqGS:Common SVeriSign, Ir	232.82 Common SS&P 500 (LInformatioInternet SeInformatio	2022
NasdaqGS:Common SVeriSign, Ir	232.82 Common SS&P 500 (LInformatioInternet SeInformatio	2023
NasdaqGS:Common SVeriSign, Ir	232.82 Common SS&P 500 (LInformatioInternet SeInformatio	2024
NasdaqGS:Class A Co Verisk Ana	208 Common SS&P 500 (LIndustrials Research aIndustrials	2020
NasdaqGS:Class A Co Verisk Ana	208 Common SS&P 500 (LIndustrials Research aIndustrials	2021
NasdaqGS:Class A Co Verisk Ana	208 Common SS&P 500 (LIndustrials Research aIndustrials	2022
NasdaqGS:Class A Co Verisk Ana	208 Common SS&P 500 (LIndustrials Research aIndustrials	2023
NasdaqGS:Class A Co Verisk Ana	208 Common SS&P 500 (LIndustrials Research aIndustrials	2024
NYSE:VZ Common SVerizon Co	40.21 Common SS&P 500 (LCommunicIntegrated Communic	2020
NYSE:VZ Common SVerizon Co	40.21 Common SS&P 500 (LCommunicIntegrated Communic	2021
NYSE:VZ Common SVerizon Co	40.21 Common SS&P 500 (LCommunicIntegrated Communic	2022
NYSE:VZ Common SVerizon Co	40.21 Common SS&P 500 (LCommunicIntegrated Communic	2023
NYSE:VZ Common SVerizon Co	40.21 Common SS&P 500 (LCommunicIntegrated Communic	2024

NasdaqGS:Common SV	Vertex Pha	417.21 Common SS&P 500 (L	Health Car Biotechnol	Health Car	2020
NasdaqGS:Common SV	Vertex Pha	417.21 Common SS&P 500 (L	Health Car Biotechnol	Health Car	2021
NasdaqGS:Common SV	Vertex Pha	417.21 Common SS&P 500 (L	Health Car Biotechnol	Health Car	2022
NasdaqGS:Common SV	Vertex Pha	417.21 Common SS&P 500 (L	Health Car Biotechnol	Health Car	2023
NasdaqGS:Common SV	Vertex Pha	417.21 Common SS&P 500 (L	Health Car Biotechnol	Health Car	2024
NasdaqGS:Common SV	Iatris Inc.	10.27 Common SS&P 500 (L	Health Car Pharmacei	Health Car	2020
NasdaqGS:Common SV	Iatris Inc.	10.27 Common SS&P 500 (L	Health Car Pharmacei	Health Car	2021
NasdaqGS:Common SV	Iatris Inc.	10.27 Common SS&P 500 (L	Health Car Pharmacei	Health Car	2022
NasdaqGS:Common SV	Iatris Inc.	10.27 Common SS&P 500 (L	Health Car Pharmacei	Health Car	2023
NasdaqGS:Common SV	Iatris Inc.	10.27 Common SS&P 500 (L	Health Car Pharmacei	Health Car	2024
NYSE:V	Class A Co Visa Inc.	341.28 Common SS&P 500 (L	Financials Transactio	Financials	2020
NYSE:V	Class A Co Visa Inc.	341.28 Common SS&P 500 (L	Financials Transactio	Financials	2021
NYSE:V	Class A Co Visa Inc.	341.28 Common SS&P 500 (L	Financials Transactio	Financials	2022
NYSE:V	Class A Co Visa Inc.	341.28 Common SS&P 500 (L	Financials Transactio	Financials	2023
NYSE:V	Class A Co Visa Inc.	341.28 Common SS&P 500 (L	Financials Transactio	Financials	2024
NYSE:VST	Common SV	199.37 Common SS&P 500 (L	Utilities	IndependeUtilities (P	2020
NYSE:VST	Common SV	199.37 Common SS&P 500 (L	Utilities	IndependeUtilities (P	2021
NYSE:VST	Common SV	199.37 Common SS&P 500 (L	Utilities	IndependeUtilities (P	2022
NYSE:VST	Common SV	199.37 Common SS&P 500 (L	Utilities	IndependeUtilities (P	2023
NYSE:VST	Common SV	199.37 Common SS&P 500 (L	Utilities	IndependeUtilities (P	2024
NYSE:VMC	Common SV	294.97 Common SS&P 500 (L	Materials Constructi	Materials (	2020
NYSE:VMC	Common SV	294.97 Common SS&P 500 (L	Materials Constructi	Materials (	2021
NYSE:VMC	Common SV	294.97 Common SS&P 500 (L	Materials Constructi	Materials (	2022
NYSE:VMC	Common SV	294.97 Common SS&P 500 (L	Materials Constructi	Materials (	2023
NYSE:VMC	Common SV	294.97 Common SS&P 500 (L	Materials Constructi	Materials (	2024
NYSE:WRB	Common SW. R. Berk	71.4 Common SS&P 500 (L	Financials Property a	Financials	2020
NYSE:WRB	Common SW. R. Berk	71.4 Common SS&P 500 (L	Financials Property a	Financials	2021
NYSE:WRB	Common SW. R. Berk	71.4 Common SS&P 500 (L	Financials Property a	Financials	2022
NYSE:WRB	Common SW. R. Berk	71.4 Common SS&P 500 (L	Financials Property a	Financials	2023
NYSE:WRB	Common SW. R. Berk	71.4 Common SS&P 500 (L	Financials Property a	Financials	2024
NYSE:GWV	Common SW.W. Grai	958.97 Common SS&P 500 (L	Industrials Trading Co	Industrials	2020
NYSE:GWV	Common SW.W. Grai	958.97 Common SS&P 500 (L	Industrials Trading Co	Industrials	2021
NYSE:GWV	Common SW.W. Grai	958.97 Common SS&P 500 (L	Industrials Trading Co	Industrials	2022
NYSE:GWV	Common SW.W. Grai	958.97 Common SS&P 500 (L	Industrials Trading Co	Industrials	2023
NYSE:GWV	Common SW.W. Grai	958.97 Common SS&P 500 (L	Industrials Trading Co	Industrials	2024
NYSE:WEC	Common SW	114.58 Common SS&P 500 (L	Utilities	Multi-UtilitUtilities (P	2020
NYSE:WEC	Common SW	114.58 Common SS&P 500 (L	Utilities	Multi-UtilitUtilities (P	2021
NYSE:WEC	Common SW	114.58 Common SS&P 500 (L	Utilities	Multi-UtilitUtilities (P	2022
NYSE:WEC	Common SW	114.58 Common SS&P 500 (L	Utilities	Multi-UtilitUtilities (P	2023
NYSE:WEC	Common SW	114.58 Common SS&P 500 (L	Utilities	Multi-UtilitUtilities (P	2024
NYSE:WM	Common SW	102.46 Common SS&P 500 (L	Consumer Consumer	Consumer	2020
NYSE:WM	Common SW	102.46 Common SS&P 500 (L	Consumer Consumer	Consumer	2021
NYSE:WM	Common SW	102.46 Common SS&P 500 (L	Consumer Consumer	Consumer	2022

NYSE:WMTCommon SWalmart Ir	102.46 Common SS&P 500 (LConsumer Consumer Consumer	2023
NYSE:WMTCommon SWalmart Ir	102.46 Common SS&P 500 (LConsumer Consumer Consumer	2024
NasdaqGS New OrdinWarner Br	21.34 Common SS&P 500 (LCommunicMovies aniCommunic	2020
NasdaqGS New OrdinWarner Br	21.34 Common SS&P 500 (LCommunicMovies aniCommunic	2021
NasdaqGS New OrdinWarner Br	21.34 Common SS&P 500 (LCommunicMovies aniCommunic	2022
NasdaqGS New OrdinWarner Br	21.34 Common SS&P 500 (LCommunicMovies aniCommunic	2023
NasdaqGS New OrdinWarner Br	21.34 Common SS&P 500 (LCommunicMovies aniCommunic	2024
NYSE:WM Common SWaste Mai	197.53 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2020
NYSE:WM Common SWaste Mai	197.53 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2021
NYSE:WM Common SWaste Mai	197.53 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2022
NYSE:WM Common SWaste Mai	197.53 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2023
NYSE:WM Common SWaste Mai	197.53 Common SS&P 500 (LIndustrials EnvironmeIndustrials	2024
NYSE:WATCommon SWaters Co	343.47 Common SS&P 500 (LHealth Car Life Scienc Health Car	2020
NYSE:WATCommon SWaters Co	343.47 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NYSE:WATCommon SWaters Co	343.47 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022
NYSE:WATCommon SWaters Co	343.47 Common SS&P 500 (LHealth Car Life Scienc Health Car	2023
NYSE:WATCommon SWaters Co	343.47 Common SS&P 500 (LHealth Car Life Scienc Health Car	2024
NYSE:WFC Common SWells Farg	86 Common SS&P 500 (LFinancials DiversifiedFinancials	2020
NYSE:WFC Common SWells Farg	86 Common SS&P 500 (LFinancials DiversifiedFinancials	2021
NYSE:WFC Common SWells Farg	86 Common SS&P 500 (LFinancials DiversifiedFinancials	2022
NYSE:WFC Common SWells Farg	86 Common SS&P 500 (LFinancials DiversifiedFinancials	2023
NYSE:WFC Common SWells Farg	86 Common SS&P 500 (LFinancials DiversifiedFinancials	2024
NYSE:WELICommon SWelltower	176.96 Common SS&P 500 (LReal EstateHealth Car Real Estate	2020
NYSE:WELICommon SWelltower	176.96 Common SS&P 500 (LReal EstateHealth Car Real Estate	2021
NYSE:WELICommon SWelltower	176.96 Common SS&P 500 (LReal EstateHealth Car Real Estate	2022
NYSE:WELICommon SWelltower	176.96 Common SS&P 500 (LReal EstateHealth Car Real Estate	2023
NYSE:WELICommon SWelltower	176.96 Common SS&P 500 (LReal EstateHealth Car Real Estate	2024
NYSE:WST Common SWest Phar	284.86 Common SS&P 500 (LHealth Car Life Scienc Health Car	2020
NYSE:WST Common SWest Phar	284.86 Common SS&P 500 (LHealth Car Life Scienc Health Car	2021
NYSE:WST Common SWest Phar	284.86 Common SS&P 500 (LHealth Car Life Scienc Health Car	2022
NYSE:WST Common SWest Phar	284.86 Common SS&P 500 (LHealth Car Life Scienc Health Car	2023
NYSE:WST Common SWest Phar	284.86 Common SS&P 500 (LHealth Car Life Scienc Health Car	2024
NasdaqGS Common SWestern D	141.38 Common SS&P 500 (LInformatioTechnologInformatio	2020
NasdaqGS Common SWestern D	141.38 Common SS&P 500 (LInformatioTechnologInformatio	2021
NasdaqGS Common SWestern D	141.38 Common SS&P 500 (LInformatioTechnologInformatio	2022
NasdaqGS Common SWestern D	141.38 Common SS&P 500 (LInformatioTechnologInformatio	2023
NasdaqGS Common SWestern D	141.38 Common SS&P 500 (LInformatioTechnologInformatio	2024
NYSE:WABCommon SWestingho	201.55 Common SS&P 500 (LIndustrials Constructi Industrials	2020
NYSE:WABCommon SWestingho	201.55 Common SS&P 500 (LIndustrials Constructi Industrials	2021
NYSE:WABCommon SWestingho	201.55 Common SS&P 500 (LIndustrials Constructi Industrials	2022
NYSE:WABCommon SWestingho	201.55 Common SS&P 500 (LIndustrials Constructi Industrials	2023
NYSE:WABCommon SWestingho	201.55 Common SS&P 500 (LIndustrials Constructi Industrials	2024
NYSE:WY Common SWeyerhae	23.2 Common SS&P 500 (LReal EstateTimber REIReal Estate	2020



NYSE:WY Common SWeyerhae	23.2 Common SS&P 500 (L	Real Estate	Timber REI	Real Estate	2021
NYSE:WY Common SWeyerhae	23.2 Common SS&P 500 (L	Real Estate	Timber REI	Real Estate	2022
NYSE:WY Common SWeyerhae	23.2 Common SS&P 500 (L	Real Estate	Timber REI	Real Estate	2023
NYSE:WY Common SWeyerhae	23.2 Common SS&P 500 (L	Real Estate	Timber REI	Real Estate	2024
NYSE:WSMCommon SWilliams-S	195.49 Common SS&P 500 (L	Consumer Homefurni	Consumer		2020
NYSE:WSMCommon SWilliams-S	195.49 Common SS&P 500 (L	Consumer Homefurni	Consumer		2021
NYSE:WSMCommon SWilliams-S	195.49 Common SS&P 500 (L	Consumer Homefurni	Consumer		2022
NYSE:WSMCommon SWilliams-S	195.49 Common SS&P 500 (L	Consumer Homefurni	Consumer		2023
NYSE:WSMCommon SWilliams-S	195.49 Common SS&P 500 (L	Consumer Homefurni	Consumer		2024
NasdaqGS Common SWillis Tow	317.54 Common SS&P 500 (L	Financials Insurance	Financials		2020
NasdaqGS Common SWillis Tow	317.54 Common SS&P 500 (L	Financials Insurance	Financials		2021
NasdaqGS Common SWillis Tow	317.54 Common SS&P 500 (L	Financials Insurance	Financials		2022
NasdaqGS Common SWillis Tow	317.54 Common SS&P 500 (L	Financials Insurance	Financials		2023
NasdaqGS Common SWillis Tow	317.54 Common SS&P 500 (L	Financials Insurance	Financials		2024
NasdaqGS Class A Co Workday, I	231.36 Common SS&P 500 (L	Informatio	Applicatio	Informatio	2020
NasdaqGS Class A Co Workday, I	231.36 Common SS&P 500 (L	Informatio	Applicatio	Informatio	2021
NasdaqGS Class A Co Workday, I	231.36 Common SS&P 500 (L	Informatio	Applicatio	Informatio	2022
NasdaqGS Class A Co Workday, I	231.36 Common SS&P 500 (L	Informatio	Applicatio	Informatio	2023
NasdaqGS Class A Co Workday, I	231.36 Common SS&P 500 (L	Informatio	Applicatio	Informatio	2024
NasdaqGS Common SWynn Resc	120.87 Common SS&P 500 (L	Consumer Casinos an	Consumer		2020
NasdaqGS Common SWynn Resc	120.87 Common SS&P 500 (L	Consumer Casinos an	Consumer		2021
NasdaqGS Common SWynn Resc	120.87 Common SS&P 500 (L	Consumer Casinos an	Consumer		2022
NasdaqGS Common SWynn Resc	120.87 Common SS&P 500 (L	Consumer Casinos an	Consumer		2023
NasdaqGS Common SWynn Resc	120.87 Common SS&P 500 (L	Consumer Casinos an	Consumer		2024
NasdaqGS:Common SXcel Energ	79.69 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P		2020
NasdaqGS:Common SXcel Energ	79.69 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P		2021
NasdaqGS:Common SXcel Energ	79.69 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P		2022
NasdaqGS:Common SXcel Energ	79.69 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P		2023
NasdaqGS:Common SXcel Energ	79.69 Common SS&P 500 (L	Utilities Electric Uti	Utilities (P		2024
NYSE:XYL Common SXylem Inc.	152.95 Common SS&P 500 (L	Industrials Industrial	Industrials		2020
NYSE:XYL Common SXylem Inc.	152.95 Common SS&P 500 (L	Industrials Industrial	Industrials		2021
NYSE:XYL Common SXylem Inc.	152.95 Common SS&P 500 (L	Industrials Industrial	Industrials		2022
NYSE:XYL Common SXylem Inc.	152.95 Common SS&P 500 (L	Industrials Industrial	Industrials		2023
NYSE:XYL Common SXylem Inc.	152.95 Common SS&P 500 (L	Industrials Industrial	Industrials		2024
NYSE:YUMCommon SYum! Bran	139.19 Common SS&P 500 (L	Consumer Restaurant	Consumer		2020
NYSE:YUMCommon SYum! Bran	139.19 Common SS&P 500 (L	Consumer Restaurant	Consumer		2021
NYSE:YUMCommon SYum! Bran	139.19 Common SS&P 500 (L	Consumer Restaurant	Consumer		2022
NYSE:YUMCommon SYum! Bran	139.19 Common SS&P 500 (L	Consumer Restaurant	Consumer		2023
NYSE:YUMCommon SYum! Bran	139.19 Common SS&P 500 (L	Consumer Restaurant	Consumer		2024
NasdaqGS:Class A Co Zebra Tech	270.77 Common SS&P 500 (L	Informatio	Electronic	Informatio	2020
NasdaqGS:Class A Co Zebra Tech	270.77 Common SS&P 500 (L	Informatio	Electronic	Informatio	2021
NasdaqGS:Class A Co Zebra Tech	270.77 Common SS&P 500 (L	Informatio	Electronic	Informatio	2022
NasdaqGS:Class A Co Zebra Tech	270.77 Common SS&P 500 (L	Informatio	Electronic	Informatio	2023

NasdaqGS:Class A Co Zebra Tech	270.77 Common SS&P 500 (I	InformatioElectronic Informatio	2024
NYSE:ZBH Common SZimmer Bi	99.71 Common SS&P 500 (I	Health Car Health Car Health Car	2020
NYSE:ZBH Common SZimmer Bi	99.71 Common SS&P 500 (I	Health Car Health Car Health Car	2021
NYSE:ZBH Common SZimmer Bi	99.71 Common SS&P 500 (I	Health Car Health Car Health Car	2022
NYSE:ZBH Common SZimmer Bi	99.71 Common SS&P 500 (I	Health Car Health Car Health Car	2023
NYSE:ZBH Common SZimmer Bi	99.71 Common SS&P 500 (I	Health Car Health Car Health Car	2024
NYSE:ZTS Common SZoetis Inc.	143.94 Common SS&P 500 (I	Health Car PharmaceiHealth Car	2020
NYSE:ZTS Common SZoetis Inc.	143.94 Common SS&P 500 (I	Health Car PharmaceiHealth Car	2021
NYSE:ZTS Common SZoetis Inc.	143.94 Common SS&P 500 (I	Health Car PharmaceiHealth Car	2022
NYSE:ZTS Common SZoetis Inc.	143.94 Common SS&P 500 (I	Health Car PharmaceiHealth Car	2023
NYSE:ZTS Common SZoetis Inc.	143.94 Common SS&P 500 (I	Health Car PharmaceiHealth Car	2024
NasdaqGS:Common SeBay Inc.	99.54 Common SS&P 500 (I	Consumer Broadline IConsumer	2020
NasdaqGS:Common SeBay Inc.	99.54 Common SS&P 500 (I	Consumer Broadline IConsumer	2021
NasdaqGS:Common SeBay Inc.	99.54 Common SS&P 500 (I	Consumer Broadline IConsumer	2022
NasdaqGS:Common SeBay Inc.	99.54 Common SS&P 500 (I	Consumer Broadline IConsumer	2023
NasdaqGS:Common SeBay Inc.	99.54 Common SS&P 500 (I	Consumer Broadline IConsumer	2024
NasdaqGS:Common Slululemon	170.3 Common SS&P 500 (I	Consumer Apparel, A Consumer	2020
NasdaqGS:Common Slululemon	170.3 Common SS&P 500 (I	Consumer Apparel, A Consumer	2021
NasdaqGS:Common Slululemon	170.3 Common SS&P 500 (I	Consumer Apparel, A Consumer	2022
NasdaqGS:Common Slululemon	170.3 Common SS&P 500 (I	Consumer Apparel, A Consumer	2023
NasdaqGS:Common Slululemon	170.3 Common SS&P 500 (I	Consumer Apparel, A Consumer	2024

EBITDA	Net Income	Capital Expend	Gross Profit	Total Revenue	Capital Expend	Enterprise Value	Price Change	Return on Equity	DA Margin
3.7E+09	-1.39E+09	2.15E+09	6.93E+09	6.11E+10	5.72E+10	25900000	1.21	10.3	21.8
7.72E+09	4.79E+09	2.19E+09	1.1E+10	5.93E+10	1E+11	1.2E+11	-30.9	-18.8	6.07
7.73E+09	4.54E+09	2.63E+09	1.09E+10	6.28E+10	8.61E+10	9.25E+10	22.3	52.4	13
6.77E+09	4.19E+09	3.37E+09	1.11E+10	7.23E+10	1.06E+11	9.85E+10	-0.3	36.8	12.3
7.11E+09	4.38E+09	3.8E+09	1.11E+10	7.17E+10	1.2E+11	8.96E+10	25.8	23.5	9.36
2.16E+10	8.33E+09	1.77E+09	3.42E+10	1.44E+11	7.25E+10	1.54E+08	0.96	22.3	16.8
9.33E+09	7.52E+09	1.6E+09	8.19E+09	1.3E+11	9.48E+10	1.28E+11	-8.1	8.81	15
1.33E+10	6.86E+09	1.73E+09	2.32E+10	1.02E+11	7.27E+10	1.25E+11	3.46	8.42	7.16
1.6E+10	9.44E+09	2.37E+09	2.43E+10	1.1E+11	9.35E+10	1.16E+11	-3.25	9.59	13
1.77E+10	1.03E+10	1.98E+09	2.63E+10	1.11E+11	1.22E+11	1.05E+11	20.4	15	14.5
8.58E+09	-1.3E+09	3.83E+09	1.81E+10	7.24E+10	5.04E+10	39900000	1.14	-13	3.95
1.2E+10	6.28E+09	4.02E+09	2.22E+10	8.94E+10	6.61E+10	9E+10	-3.9	-3.83	11.9
1.09E+10	-6.7E+08	4.68E+09	2.2E+10	9.33E+10	4.03E+10	9.27E+10	-4.54	15.7	13.5
6.84E+09	2.49E+08	5.96E+09	1.81E+10	7.62E+10	3.95E+10	8.45E+10	-24.9	-0.94	11.7
6.46E+09	1.34E+09	6.42E+09	1.73E+10	6.76E+10	4.32E+10	6.62E+10	5.15	0.98	8.98
1.23E+10	-1.28E+10	2.96E+09	3.14E+10	5.06E+10	4.62E+10	34000000	1	-42.6	-7.82
1.24E+10	1.14E+09	2.97E+09	3.07E+10	5.01E+10	5.53E+10	1.23E+11	-33.9	-39.8	24.2
1.36E+10	4.44E+09	3.15E+09	3.4E+10	5.42E+10	5.15E+10	9.21E+10	-2.4	3.2	24.7
1.16E+10	-3.25E+09	3.04E+09	3.09E+10	5.27E+10	4.24E+10	9.05E+10	2.82	11.6	25
7.1E+09	-2.64E+09	2.88E+09	2.67E+10	4.83E+10	2.67E+10	8.91E+10	-30.4	-8.17	22.1
1.07E+10	4.62E+09	7.52E+09	1.49E+10	1.21E+11	4.41E+10	1.58E+08	0.93	-21.6	8.17
2E+10	1.41E+10	7.53E+09	2.35E+10	1.27E+11	6.56E+10	1.71E+11	-1.24	6.35	8.85
2.11E+10	1.92E+10	9.67E+09	2.47E+10	1.52E+11	5.11E+10	1.76E+11	22.5	18.2	15.8
2.67E+10	1.25E+10	1.2E+10	3.09E+10	1.72E+11	5.92E+10	1.68E+11	-5.77	22.3	13.8
1.76E+10	7.55E+09	1.26E+10	2.17E+10	1.47E+11	4.97E+10	1.54E+11	20.9	13.2	15.5
1.35E+09	6.85E+08	3.43E+08	4.94E+09	8.59E+09	2.38E+10	39400000	0.29	-8.62	11
1.35E+09	7.26E+08	4.7E+08	4.96E+09	8.67E+09	2.41E+10	2.49E+10	-11.4	9.34	15.7
1.53E+09	8.07E+08	5.86E+08	5.3E+09	9.4E+09	2.18E+10	2.48E+10	-4.3	9.96	15.6
1.55E+09	8.14E+08	5.72E+08	5.99E+09	1.04E+10	2.96E+10	2.12E+10	18.6	10.5	16.2
1.65E+09	9.44E+08	4.52E+08	5.96E+09	1.02E+10	3.08E+10	2.43E+10	26.6	9.28	14.8
1.06E+09	5.71E+08	2.44E+08	3.51E+09	1.44E+10	9.88E+09	31900000	0.73	-30.4	11.9
1.09E+09	5.1E+08	2.27E+08	3.63E+09	1.64E+10	1.47E+10	1.09E+10	30.7	13.2	7.38
1.69E+09	9.48E+08	2.86E+08	4.62E+09	2.08E+10	9.39E+09	1.39E+10	25.6	12.1	6.67
1.44E+09	7.9E+08	3.55E+08	4.47E+09	1.86E+10	1.09E+10	1.63E+10	-25	20.5	8.14
1.17E+09	5.55E+08	3.54E+08	4.17E+09	1.68E+10	9.37E+09	1.24E+10	39.4	15.7	7.74
0	-3.51E+09	1.1E+09	8.03E+09	8.03E+09	5.9E+09	26400000	0.84	46.1	8.28
0	4.89E+08	1.11E+09	9.1E+09	9.1E+09	9.15E+09	0	-4.55	-9.79	0
0	1.53E+09	7.21E+08	9.26E+09	9.26E+09	1.03E+10	0	27	1.21	0
0	2.46E+09	1.1E+09	1.1E+10	1.1E+10	1.33E+10	0	32.1	4.59	0
0	2.77E+09	1.19E+09	1.08E+10	1.08E+10	2.1E+10	0	21.8	6.93	0
4.58E+09	-1.18E+09	2.38E+09	9.17E+09	3.9E+10	2.13E+10	74200000	1.34	-15.7	8.3
4.34E+09	1.63E+09	2.08E+09	8.8E+09	3.84E+10	2.35E+10	3.26E+10	5.2	-3.97	11.8

3.48E+09	71200000	2.28E+09	8.1E+09	4.21E+10	1.03E+10	3.64E+10	-23.2	10.5	11.3
4.22E+09	1.28E+09	2.35E+09	9.74E+09	4.58E+10	1.28E+10	2.64E+10	-39.9	0.85	8.26
4.19E+09	1.21E+09	2.01E+09	9.11E+09	4.11E+10	1.24E+10	1.91E+10	37.4	8.56	9.22
1.6E+09	-1.75E+08	9.74E+08	6.71E+09	4.41E+10	0	29300000	1	8.32	13.6
3.24E+09	2.67E+09	8.67E+08	8.32E+09	4.52E+10	0	0	0	-1.38	3.63
4.72E+09	2.85E+09	9.6E+08	9.71E+09	5.44E+10	2.2E+10	0	0	19	7.16
6.89E+09	4.17E+09	1.13E+09	1.28E+10	6.18E+10	2.55E+10	4.53E+10	-10.4	14.9	8.67
5.59E+09	3E+09	1.47E+09	1.18E+10	5.6E+10	3.26E+10	4.19E+10	17.5	18.5	11.2
0	6.06E+08	6.26E+08	2.72E+10	2.72E+10	1.9E+10	34100000	0.98	34.6	4.55
0	2.69E+09	6.26E+08	2.83E+10	2.83E+10	2.66E+10	0	29.4	1	0
0	5.9E+09	3.6E+08	2.78E+10	2.78E+10	1.99E+10	0	23.1	3.85	0
0	5.27E+09	4.67E+08	3.03E+10	3.03E+10	2.2E+10	0	-3.9	8.06	0
0	3.48E+09	5.47E+08	2.93E+10	2.93E+10	3.27E+10	0	16.8	6.65	0
2.09E+09	1.32E+09	74900000	3.88E+09	4.55E+09	2.7E+10	59100000	0.5	19.2	19.2
2.09E+09	1.38E+09	43000000	3.9E+09	4.96E+09	3.05E+10	3.06E+10	-0.64	17.8	46
2.51E+09	1.6E+09	1.17E+08	4.52E+09	5.58E+09	3.03E+10	3.63E+10	5.64	17.7	42
3.02E+09	1.91E+09	54700000	5.57E+09	6.74E+09	3.04E+10	3.65E+10	9.72	18.6	45
3.18E+09	2.02E+09	60200000	6.01E+09	7.27E+09	4.27E+10	3.8E+10	15.6	18.8	44.8
7.8E+09	3.64E+09	3.57E+09	1.41E+10	8.21E+10	5.48E+10	20400000	1.01	-24.2	15.2
1.06E+10	5.75E+09	4.25E+09	1.66E+10	9.33E+10	7.56E+10	6.38E+10	19.1	22.3	9.51
1.09E+10	5.73E+09	4.18E+09	2.04E+10	1.01E+11	4.28E+10	7.89E+10	39.6	32.3	11.4
8.65E+09	4.06E+09	3.74E+09	1.53E+10	9.1E+10	4.61E+10	9.41E+10	-37.8	26.5	10.8
7.84E+09	3.45E+09	3.04E+09	1.44E+10	8.78E+10	4.7E+10	6.38E+10	27.5	16.9	9.51
4.03E+10	5.09E+09	1.58E+10	4.98E+10	1.26E+11	7.22E+10	12100000	0.44	32.8	18.6
3.91E+10	4.75E+09	1.55E+10	4.92E+10	1.26E+11	8.82E+10	1.87E+11	2.64	11.1	32.1
3.66E+10	8.55E+09	1.77E+10	4.91E+10	1.25E+11	9.54E+10	2.92E+11	8.99	7.66	31.1
4.23E+10	1.97E+10	1.36E+10	5.5E+10	1.27E+11	1.08E+11	2.84E+11	14.3	10.7	29.2
4.21E+10	1.16E+10	1.16E+10	5.48E+10	1.23E+11	1.5E+11	3.13E+11	16.7	9.29	33.3
7.2E+09	1.24E+09	5.34E+09	1.78E+10	7.54E+10	2.72E+10	6100000	0.72	-7.45	25.2
1.08E+10	5.33E+09	5.1E+09	-46600000	8.88E+10	3.31E+10	6.19E+10	-4.83	11.7	9.55
2.25E+09	1.96E+09	4.89E+09	8.72E+09	1.25E+11	1.77E+10	7.06E+10	34.5	39.4	12.2
4.1E+09	5.72E+08	6.64E+09	3.41E+10	1.05E+11	3.07E+10	7.32E+10	-23.4	11.3	1.8
1.23E+10	4.69E+09	7.22E+09	2.34E+10	8.46E+10	3.55E+10	5.78E+10	30.2	3.34	3.91
3.99E+09	1.42E+09	1.29E+09	6.77E+09	2.18E+10	2.24E+10	49500000	0.89	16.3	4.84
3.18E+09	1.1E+09	9.72E+08	5.43E+09	2E+10	1.95E+10	3.76E+10	3.4	11.2	18.3
2.68E+09	7.2E+08	7.74E+08	5.23E+09	2.07E+10	7.66E+09	3.98E+10	-16.2	9.27	15.9
2.63E+09	5.52E+08	7.57E+08	5.44E+09	2.15E+10	9.78E+09	3.35E+10	-46.5	6.08	12.9
2.43E+09	5.57E+08	7.24E+08	4.92E+09	2E+10	1.13E+10	2.49E+10	24.2	4.84	12.2
7.26E+09	2.09E+09	2.94E+09	1.26E+10	4.44E+10	2.07E+10	35700000	1.02	19.5	4.34
6.32E+09	2.07E+09	2.33E+09	1.17E+10	4.27E+10	2.53E+10	7.08E+10	-24.6	10.7	16.3
3.77E+09	1.47E+09	1.28E+09	5.77E+09	2.3E+10	1.24E+10	6.71E+10	-6.45	10.2	14.8
1.97E+09	-6.57E+08	1.16E+09	5.49E+09	2.33E+10	1.45E+10	6.16E+10	-25.8	3.97	16.4
2.68E+09	4.88E+08	9.56E+08	5.57E+09	2.26E+10	2.03E+10	5.78E+10	6.93	1.11	8.46

4.58E+08	1.18E+08	1.19E+08	1.75E+09	5.67E+09	6.01E+09	15600000	0.7	26.9	16.5
6.02E+08	3.47E+08	1.48E+08	1.78E+09	5.35E+09	8.85E+09	5.41E+09	-0.68	5.38	8.08
6.7E+08	4.29E+08	2.18E+08	1.88E+09	5.52E+09	6.15E+09	6.39E+09	64.2	15	11.3
7.33E+08	4.34E+08	2.52E+08	2.03E+09	5.94E+09	5.89E+09	9.29E+09	-20.6	17.2	12.1
6.85E+08	3.99E+08	2.46E+08	2.03E+09	5.61E+09	8.25E+09	6.75E+09	-1.34	17.3	12.3
1.65E+09	1.08E+09	0	1.36E+09	2.83E+10	1.75E+10	99000000	0.35	11.6	20.2
2.37E+09	1.4E+09	0	2.14E+09	2.99E+10	2.2E+10	2.55E+10	-24.4	7.92	5.83
1.25E+09	8.35E+08	0	1.59E+09	2.58E+10	1.99E+10	2.28E+10	28.3	10.6	7.93
2.66E+09	2.02E+09	0	3.23E+09	2.84E+10	2.66E+10	2.68E+10	11	7.91	4.86
2.74E+09	2.41E+09	0	3.21E+09	2.74E+10	3.17E+10	2.77E+10	16.6	17.4	9.35
3.79E+09	-2.62E+09	1.13E+09	1.36E+10	2.16E+10	1.14E+10	1.06E+08	1.11	47.4	9.82
3.56E+09	2E+09	1.69E+09	1.31E+10	2.14E+10	1.47E+10	2.71E+10	-5.76	-11.7	17.6
3.33E+09	1.71E+09	1.39E+09	1.33E+10	2.26E+10	8.88E+09	2.77E+10	-2.78	12.5	16.7
4.09E+09	2.13E+09	1.41E+09	1.46E+10	2.35E+10	1.35E+10	2.3E+10	-10.5	10.1	14.7
4.06E+09	1.84E+09	1.37E+09	1.41E+10	2.2E+10	1.96E+10	1.97E+10	51.9	12.2	17.4
3.39E+09	1.72E+09	8.75E+08	1.1E+10	2.35E+10	4.05E+10	50900000	0.48	16.3	9.72
3.68E+09	1.86E+09	7.36E+08	1.03E+10	2.28E+10	3.72E+10	4.53E+10	0.11	7.81	14.4
2.87E+09	1.35E+09	6.34E+08	1.01E+10	2.39E+10	2.59E+10	4.84E+10	-22.9	8.65	16.1
3.29E+09	1.46E+09	6.72E+08	1.09E+10	2.38E+10	2.81E+10	3.55E+10	-8.6	6.28	12
3.65E+09	2.08E+09	6.48E+08	1.13E+10	2.23E+10	3.43E+10	3.02E+10	12.1	6.67	13.8
2.67E+09	5.06E+08	1.14E+09	3.77E+09	1.14E+10	3.62E+10	15500000	1.62	-16.9	8.04
3.91E+09	1.56E+09	1.58E+09	5.24E+09	1.32E+10	6.08E+10	2.58E+10	54.6	4.16	23.5
5.28E+09	2.62E+09	2.4E+09	7.16E+09	1.6E+10	3.26E+10	5.5E+10	29.9	12.4	29.7
6.24E+09	3.31E+09	3.07E+09	8.25E+09	1.78E+10	3.77E+10	6.34E+10	-30.3	18.2	32.9
4.55E+09	9.94E+08	2.6E+09	6.24E+09	1.52E+10	4.19E+10	4.21E+10	33	18.7	35.1
5.71E+08	1.7E+08	2.39E+08	7.65E+08	4.86E+09	9.06E+09	66600000	1.17	64.9	20.2
5.9E+08	2.53E+08	2.98E+08	7.86E+08	4.76E+09	1.19E+10	1.61E+10	-16.2	5.81	11.7
7.73E+08	3.54E+08	3.44E+08	1.03E+09	5.7E+09	9.76E+09	1.48E+10	-15.9	8.56	12.4
-94000000	-1.13E+08	3.67E+08	1.68E+08	5.93E+09	1.01E+10	1.16E+10	12.7	11.4	13.6
1.16E+09	6.55E+08	4.75E+08	1.3E+09	7.67E+09	1.79E+10	1.23E+10	-3.44	-3.21	-1.59
1.46E+10	4.44E+09	7.02E+09	2.28E+10	1.49E+11	5.54E+10	96500000	0.92	-14	11.2
2.17E+10	2.62E+10	5.21E+09	3.34E+10	1.52E+11	1.06E+11	2.13E+11	17.1	6.45	9.78
2.26E+10	1.55E+10	3.72E+09	3.47E+10	1.6E+11	6.19E+10	2.28E+11	17	16.3	14.3
2.36E+10	1.58E+10	4.14E+09	3.7E+10	1.68E+11	6.21E+10	2.07E+11	-9.16	18.5	14.1
1.73E+10	1.06E+10	4.18E+09	2.8E+10	1.51E+11	5.84E+10	1.75E+11	1.87	16.2	14
5.62E+09	2.43E+09	1.73E+09	1.32E+10	2.14E+10	6.44E+10	68300000	0.64	-2.91	9.82
6.58E+09	3.47E+09	1.21E+09	1.41E+10	2.24E+10	1.03E+11	5.95E+10	33.2	11.4	26.2
6.97E+09	3.55E+09	1.64E+09	1.47E+10	2.38E+10	7.27E+10	8.93E+10	61.7	16	29.4
5.94E+09	3.12E+09	2E+09	1.37E+10	2.32E+10	6.36E+10	1.22E+11	-20.3	14.1	29.3
5.99E+09	2.88E+09	1.76E+09	1.3E+10	2.19E+10	7.14E+10	9.39E+10	-20.3	10.7	25.6
3.04E+09	1.48E+09	0	1.94E+10	7.21E+10	3.28E+10	2.47E+08	0.57	29.9	18.1
4.6E+09	3.34E+09	0	2.06E+10	7.22E+10	4.15E+10	4.09E+10	-7.68	4	4.22
9.28E+09	5.68E+09	1.5E+08	1.71E+10	6.02E+10	3.73E+10	4.13E+10	7.29	9.62	6.37

9.47E+09	5.09E+09	1.64E+08	1.89E+10	6.39E+10	5.48E+10	4.03E+10	16.7	18.3	15.4
0	5.89E+09	1.73E+08	1.93E+10	6.33E+10	6.8E+10	4.4E+10	23.4	16.1	14.8
-5E+07	3.21E+09	0	0	0	1.64E+10	1.47E+08	1.09	-21.5	-44.4
-46600000	5.19E+09	0	0	0	3.18E+10	2.14E+10	-15.4	7.39	0
1.46E+08	5.87E+09	0	0	0	1.74E+10	2.05E+10	47.9	11.7	0
2.05E+08	5.61E+09	0	0	0	1.36E+10	2.82E+10	-38.6	11.4	0
-31100000	-2.07E+10	0	0	0	1.28E+10	1.63E+10	-9.6	9.46	0
7.35E+08	3.59E+08	1.33E+08	1.3E+09	1.87E+09	1.09E+10	17000000	0.66	5.97	2.27
8.64E+08	5.13E+08	1.9E+08	1.52E+09	2.25E+09	1.26E+10	8.68E+09	39.4	14.3	39.3
7.74E+08	4.23E+08	1.29E+08	1.45E+09	2.14E+09	9.99E+09	1.33E+10	15.4	19.2	38.4
6.39E+08	3.41E+08	1.5E+08	1.3E+09	1.97E+09	8.11E+09	1.36E+10	-4.04	13.4	36.2
6.85E+08	83600000	1.67E+08	1.32E+09	1.98E+09	9.39E+09	1.18E+10	-16.2	9.38	32.5
5.13E+09	1.29E+09	4.11E+09	4.24E+09	1.69E+10	2.51E+10	46500000	0.59	-30	15.7
3.29E+09	8.2E+08	4.2E+09	7.14E+09	2.79E+10	2.6E+10	1.73E+10	26.4	5.06	30.4
-4.84E+08	2.9E+09	3.53E+09	7.11E+09	4.11E+10	2.61E+10	2.56E+10	3.33	4.8	11.8
8.07E+09	1.67E+09	5.69E+09	1.2E+10	3.15E+10	2.83E+10	3.49E+10	16.4	12.9	-1.18
8.76E+09	5.32E+09	9.71E+09	8.58E+09	2.51E+10	2.44E+10	5.23E+10	-0.99	5.29	25.6
8.11E+08	-33000000	2.9E+08	3.27E+09	6.61E+09	3.15E+09	94300000	0.57	114.1	22.1
9.12E+08	3.31E+08	3.08E+08	3.45E+09	6.43E+09	4.19E+09	5.8E+09	-15.4	13.1	12.3
9.85E+08	5.07E+08	3.73E+08	3.61E+09	6.85E+09	7.26E+09	5.42E+09	-4.07	18.5	14.2
1.23E+09	5.91E+08	4.4E+08	4.35E+09	7.93E+09	1.24E+10	4.54E+09	124	18.7	14.4
1.82E+09	7.42E+08	7.58E+08	5.24E+09	1.01E+10	2.29E+10	9.72E+09	54.3	18.7	15.5
1.01E+10	6.29E+09	9.98E+08	2.38E+10	3.34E+10	1.27E+11	37200000	0.9	69.4	7.06
9.01E+09	5.98E+09	7.97E+08	2.24E+10	3.07E+10	1.71E+11	1.73E+11	-10.9	17.4	30.2
8.14E+09	2.44E+09	9.37E+08	2.3E+10	3.15E+10	1.13E+11	1.69E+11	16.5	19.1	29.4
8.11E+09	6.79E+09	8.68E+08	2.5E+10	3.45E+10	1.55E+11	1.75E+11	-22.8	7.27	25.8
9.23E+09	3.23E+09	8.25E+08	2.59E+10	3.54E+10	2.77E+11	1.24E+11	44.7	8.35	23.5
2.2E+08	2.9E+09	16700000	3.62E+08	4.6E+08	8.01E+09	20900000	0.44	32.6	11.3
2.06E+08	1.03E+08	2890000	3.62E+08	4.73E+08	5.81E+09	7.77E+09	13.7	5.3	47.8
2.2E+08	1.32E+08	960000	3.94E+08	5.09E+08	3.97E+09	6.06E+09	-8.4	3.95	43.5
2.78E+08	1.98E+08	810000	4.62E+08	5.88E+08	4.53E+09	5.37E+09	-23.6	7.91	43.2
2.76E+08	1.68E+08	920000	4.62E+08	6.1E+08	6.35E+09	3.72E+09	36.7	12.8	47.3
8.72E+09	5.29E+09	1.82E+09	2.47E+10	6.81E+10	9.34E+10	71500000	1.07	11	14.1
1.01E+10	7.31E+09	2.04E+09	2.69E+10	7.36E+10	1.29E+11	1.34E+11	0.84	9.62	12.8
1.09E+10	3.8E+09	2.27E+09	2.84E+10	7.86E+10	8.75E+10	1.55E+11	29.9	12.9	13.8
1.32E+10	9.79E+09	2.34E+09	3.23E+10	8.24E+10	1.04E+11	1.87E+11	-15.1	8.22	13.8
1.21E+10	9.96E+09	2.27E+09	3.09E+10	7.92E+10	1.52E+11	1.58E+11	31.1	18.5	16
3.35E+08	-1.71E+09	1.19E+09	3.05E+09	3.38E+10	1.57E+10	12800000	1.89	319.8	0.03
3.59E+08	-7.37E+08	1.11E+09	3.56E+09	3.17E+10	2.04E+10	0	0	0	0.99
4.71E+08	-8.65E+08	1.3E+09	3.29E+09	3.22E+10	8.33E+09	2.41E+10	-25	-5.94	1.13
-1.88E+09	-2.77E+09	1.36E+09	1.52E+09	3.5E+10	7.09E+09	1.55E+10	-21.9	-7.75	1.46
1.25E+09	-1.74E+08	1.59E+09	5E+09	3.7E+10	3.22E+10	1.06E+10	-31.7	-21.7	-5.36
3.4E+09	1.89E+09	7.19E+08	7.07E+09	1.8E+10	4.6E+10	18900000	0.75	-2.66	10.6

3.89E+09	2E+09	7.86E+08	8.29E+09	2.18E+10	7.45E+10	5.18E+10	-1.96	14.1	18.8
4.05E+09	2.13E+09	9.5E+08	8.64E+09	2.32E+10	5.17E+10	6.08E+10	56.8	12.2	17.8
3.61E+09	1.68E+09	8.51E+08	8.64E+09	2.41E+10	5.44E+10	9.83E+10	-29	11.3	17.4
3.99E+09	2.06E+09	7.6E+08	8.96E+09	2.35E+10	5.85E+10	7.22E+10	12.6	8.4	15
8.61E+08	3.75E+08	1.6E+08	1.7E+09	4.31E+09	1.67E+10	29300000	0.5	3.02	12.5
8.52E+08	4.26E+08	1.76E+08	1.68E+09	4.35E+09	2.04E+10	1.56E+10	15.6	13.1	20
8.88E+08	2.99E+08	2.46E+08	1.82E+09	4.94E+09	1.45E+10	2E+10	20.2	13.7	19.6
8.79E+08	3.76E+08	2.75E+08	1.87E+09	5.23E+09	1.42E+10	2.35E+10	-22	8.47	18
1.01E+09	4.95E+08	2.36E+08	2.03E+09	5.18E+09	1.69E+10	1.76E+10	-1.98	9.46	16.8
2.85E+10	1.08E+10	1.38E+10	4.5E+10	2.73E+11	7.6E+10	3.84E+08	1.05	-20.4	6.42
3.51E+10	1.75E+10	1.21E+10	5.06E+10	2.85E+11	1.42E+11	2.86E+11	-13.5	6.99	10.5
3.72E+10	1.65E+10	1.38E+10	5.29E+10	2.98E+11	7.59E+10	3.01E+11	16.4	11.2	12.4
3.79E+10	1.83E+10	1.62E+10	6.44E+10	3.56E+11	5.52E+10	3.17E+11	-34.4	9.77	12.5
3.52E+10	1.18E+10	1.78E+10	5.83E+10	3.36E+11	5.01E+10	2.57E+11	-3.97	9.72	10.6
2.04E+09	4E+09	0	3.04E+09	4.93E+09	3.62E+10	31700000	1.22	2.73	-3.41
2.1E+09	2.6E+09	0	3.24E+09	6.01E+09	3.49E+10	5.21E+10	24.5	14.5	41.4
2.08E+09	-6.88E+08	0	3.08E+09	8.86E+09	1.74E+10	7.11E+10	-18.8	8.01	34.9
2.46E+09	-6.95E+09	0	3.59E+09	6.65E+09	1.82E+10	9.44E+10	-54.6	-1.63	23.5
1.83E+09	-9.28E+08	0	3.46E+09	7.27E+09	2.73E+10	7.03E+10	29.6	-20.5	37
5.51E+08	2.77E+08	2.17E+08	4.15E+09	9.76E+09	2.35E+10	10400000	1.58	51	9.97
5.84E+08	2.67E+08	2.73E+08	4.92E+09	1.18E+10	2.37E+10	1.21E+10	101.5	11.8	5.64
2.19E+08	18000000	2.93E+08	4.33E+09	1.11E+10	6.09E+09	2.7E+10	-21.9	10.7	4.96
4.02E+08	91700000	2.11E+08	4.34E+09	1.12E+10	5.83E+09	1.98E+10	-53.5	0.76	1.98
5.54E+08	2.6E+08	1.25E+08	4.45E+09	1.09E+10	8.01E+09	9.15E+09	-35.2	3.63	3.59
1.46E+09	5.28E+08	4.5E+08	1.13E+10	2.26E+10	5.8E+10	29300000	1.15	28.6	15.3
2.86E+09	2.41E+09	5.62E+08	1.22E+10	2.41E+10	6.32E+10	6.66E+10	2.8	6.72	6.47
1.3E+09	6.54E+08	5.39E+08	1.14E+10	2.41E+10	1.91E+10	7.62E+10	-15	20.5	11.8
8.68E+08	-82900000	4.01E+08	1.13E+10	2.37E+10	3.15E+10	5.71E+10	-49.7	3.85	5.39
1.92E+09	7.91E+08	4.34E+08	1.24E+10	2.45E+10	4.28E+10	3.23E+10	44.5	-1.13	3.66
8.52E+09	5.78E+09	0	1.17E+10	5.09E+10	1.14E+11	3850000	0.81	-17.3	16.6
8.17E+09	7.43E+09	0	1.17E+10	4.64E+10	1.36E+11	1.34E+11	16.1	9.71	16.8
5.52E+09	3.33E+09	0	6.91E+09	1.78E+10	8.82E+10	1.53E+11	-17.3	12	17.6
5.92E+09	3.76E+09	0	7.33E+09	1.98E+10	1E+11	1.29E+11	10.4	6.34	31.1
7.58E+09	6.84E+09	0	8.92E+09	2.25E+10	8.56E+10	1.38E+11	-21.6	8.72	30
1.47E+09	7.91E+08	99400000	3.16E+09	5.44E+09	2.97E+10	2910000	0.79	2.77	27.7
1.81E+09	1.22E+09	2.14E+08	4.79E+09	7.77E+09	4.23E+10	2.44E+10	76.2	23.8	27
1.75E+09	1.1E+09	2.35E+08	4.69E+09	7.78E+09	2.48E+10	4.25E+10	-4.88	28.6	23.3
2.31E+09	1.44E+09	1.64E+08	5.5E+09	8.79E+09	3.29E+10	3.97E+10	-12.5	23.7	22.6
2.42E+09	2.14E+09	3.09E+08	6.03E+09	9.7E+09	3.05E+10	3.5E+10	-26	24	26.3
2.36E+10	2.44E+10	4.99E+09	4.27E+10	9.87E+10	8.24E+11	58000000	0.18	8.99	10.3
2.18E+10	1.15E+10	6.52E+09	4.91E+10	1.32E+11	4.47E+11	5.75E+11	12.3	15.7	23.9
2.28E+10	4.79E+09	7.73E+09	4.57E+10	1.25E+11	1.69E+11	6.09E+11	-48.9	5.27	16.5
2.4E+10	1.41E+10	4.84E+09	4.96E+10	1.31E+11	2.11E+11	3.02E+11	-27.5	2.26	18.2

2.61E+10	1.66E+10	4.4E+09	5.22E+10	1.35E+11	2.25E+11	2.11E+11	-12.3	8.21	18.4
17800000	48000000	1780000	5.11E+08	2.16E+09	3.51E+10	160000	1.49	-21.7	8.56
-1.45E+08	-34000000	2940000	6.09E+08	3.01E+09	1.7E+10	1.35E+10	154.4	3.15	0.82
-39100000	48100000	1340000	7.42E+08	3.59E+09	5.83E+09	3.79E+10	-71.2	-1.53	-4.8
65600000	1.2E+08	2830000	8.58E+08	3.9E+09	8.08E+09	9.65E+09	0.91	2.28	-1.09
1.82E+08	1.81E+08	1940000	9.59E+08	4.04E+09	8.17E+09	9.94E+09	-36.2	5.74	1.68
0	3.59E+09	1.71E+08	6.68E+09	6.68E+09	2.93E+10	4140000	0.26	17.7	11.8
0	3.12E+09	49200000	6.01E+09	6.01E+09	3.36E+10	0	-13.1	9.08	0
0	3.51E+09	49800000	6.65E+09	6.65E+09	3.21E+10	0	8.72	7.73	0
0	4.37E+09	49700000	7.57E+09	7.57E+09	2.78E+10	0	4.11	8.34	0
0	4.92E+09	1.63E+08	8.52E+09	8.52E+09	3.45E+10	0	-20.3	10.7	0
3.63E+09	6.49E+08	1.8E+09	4.57E+09	2.4E+10	6.15E+10	2700000	0.48	24.3	23.8
3.18E+09	4.79E+08	5.88E+09	4.32E+09	3.4E+10	1.28E+11	2.75E+10	423	9.47	15.1
5.91E+09	2.41E+09	1.41E+10	1.04E+10	6.15E+10	8.3E+10	8.61E+10	31.2	4.7	9.36
1.08E+10	4.24E+09	1.72E+10	1.55E+10	8.49E+10	9.5E+10	1.17E+11	-27.8	15.7	9.62
1.49E+10	5.52E+09	1.33E+10	2.03E+10	1.06E+11	1.19E+11	9.29E+10	11.3	23.1	12.7
1.16E+09	8.34E+08	4.3E+08	1.47E+09	1.12E+10	9.68E+09	2020000	0.23	14.9	13.8
5.77E+08	3.64E+08	6.18E+08	9.49E+08	1.4E+10	6.71E+09	4.05E+09	171	27.7	10.3
4.6E+08	2.69E+08	6.05E+08	9.21E+08	1.55E+10	5.77E+09	1.14E+10	-29.7	9.98	4.12
9.12E+08	5.7E+08	5.43E+08	1.47E+09	1.83E+10	1.05E+10	7.88E+09	-12.1	7.48	2.96
1.33E+09	5.84E+08	3.9E+08	1.69E+09	2.43E+10	1E+10	6.76E+09	45.8	14.7	4.98
5.03E+09	3.44E+09	7.79E+08	8.01E+09	1.64E+10	4.54E+10	1.08E+08	0.41	-28.8	8.85
4.27E+09	1.61E+09	1.72E+09	9.5E+09	1.96E+10	5.65E+10	3.7E+10	0	10.4	30.7
4.45E+09	1.1E+09	1.2E+09	8.67E+09	1.79E+10	2.71E+10	6.48E+10	0	3.65	21.8
5.22E+09	2.86E+09	1.58E+09	9.85E+09	1.9E+10	3.71E+10	4.03E+10	-22.8	3.26	24.8
4.93E+09	3.26E+09	1.11E+09	9.2E+09	1.82E+10	3.23E+10	3.05E+10	3.94	8.61	27.5
0	2.95E+10	6.07E+09	6.9E+10	6.9E+10	1.27E+11	1140000	0.27	33.2	8.85
0	3.41E+10	4.75E+09	7.92E+10	7.92E+10	1.3E+11	0	-20.4	9.91	0
0	3.28E+10	4.02E+09	7.08E+10	7.08E+10	1.17E+11	0	6.04	10.1	0
0	3.27E+10	4.11E+09	7.31E+10	7.31E+10	1.4E+11	0	1.07	9.64	0
0	3.26E+10	3.73E+09	7.28E+10	7.28E+10	1.83E+11	0	4.93	9.26	0
1.5E+09	5.14E+08	5.08E+08	2.91E+09	5.59E+09	3.89E+10	830000	0.56	-48.8	7.11
2.02E+09	9.5E+08	6.06E+08	3.66E+09	6.79E+09	3.65E+10	4.46E+10	-2.66	5.21	26.8
1.79E+09	9.13E+08	4.94E+08	3.24E+09	6.48E+09	2.83E+10	4.32E+10	-20.1	8.99	29.8
1.88E+09	8.52E+08	4.98E+08	3.45E+09	6.86E+09	2.62E+10	3.36E+10	20	8.66	27.7
1.66E+09	7.26E+08	3.79E+08	3.15E+09	6.25E+09	1.4E+10	4.01E+10	-40.4	8.12	27.5
3.63E+10	7.3E+09	2.69E+09	4.64E+10	9.3E+10	2.07E+10	3600000	0.83	18.1	7.81
3.96E+10	9.01E+09	3.14E+09	5.13E+10	1.16E+11	2.92E+10	1.54E+11	-47.3	8.51	39
4.46E+10	9.41E+09	2.94E+09	6.96E+10	1.22E+11	2.72E+10	1.21E+11	40.3	9.22	34.1
4.66E+10	8.12E+09	3.43E+09	7.04E+10	1.24E+11	2.54E+10	1.86E+11	7.01	9.34	36.4
4.58E+10	7.97E+09	3.92E+09	6.88E+10	1.3E+11	3.41E+10	1.62E+11	-5.34	8.19	37.4
3.31E+09	2.17E+09	1.71E+08	4.15E+09	7.43E+09	1.71E+10	14500000	0.57	-18.6	3.44
3.52E+09	2.75E+09	4.09E+08	4.47E+09	7.96E+09	2.25E+10	2.78E+10	-29.2	4.72	44.6



2.47E+09	2.82E+09	3.16E+08	3.81E+09	7.23E+09	2.05E+10	2.3E+10	23.5	5.71	44.2
1.77E+09	2.26E+09	3.08E+08	3.22E+09	6.05E+09	1.79E+10	3.11E+10	-2.24	5.08	34.2
1.55E+09	1.79E+09	2.93E+08	3.08E+09	5.86E+09	1.43E+10	2.2E+10	-18.4	4.42	29.3
7.17E+09	3.76E+09	3.5E+09	2.13E+10	3.44E+10	2.32E+10	19400000	0.76	-0.84	3.61
7.18E+09	4.29E+09	3.47E+09	2.19E+10	3.6E+10	2.58E+10	9.29E+10	-27.2	6.1	20.9
6.08E+09	4.7E+09	3.06E+09	1.99E+10	3.37E+10	1.95E+10	8.14E+10	-7.02	6.35	19.9
6.31E+09	3.01E+09	2.77E+09	2.12E+10	3.53E+10	1.95E+10	7.32E+10	-6.86	6.76	18
6.25E+09	2.2E+09	2.62E+09	2.2E+10	3.62E+10	2.03E+10	6.98E+10	-10.7	4.59	17.9
5.12E+08	9.44E+08	26200000	5.16E+08	9.82E+08	1.19E+10	6700000	0.68	33.7	6.13
4.02E+08	9.64E+08	46600000	4.09E+08	9.55E+08	1.52E+10	2.26E+10	-24.9	5.83	52.1
4.45E+08	9.94E+08	60700000	4.51E+08	9.67E+08	1.22E+10	1.8E+10	19.2	5.97	42.1
3.58E+08	1.03E+09	41000000	3.64E+08	8.67E+08	1.18E+10	1.98E+10	-17.7	6.06	46
2.15E+08	1.04E+09	47200000	2.2E+08	7.13E+08	1.76E+10	1.57E+10	5.75	6.11	41.3
2.95E+09	1.5E+09	1.41E+09	3.62E+09	1.03E+10	2.32E+10	5400000	0.51	1.32	11.4
2.72E+09	1.11E+09	1.68E+09	3.41E+09	1.08E+10	2.47E+10	3.39E+10	-12.5	10.2	28.7
1.77E+09	1.36E+08	1.96E+09	2.42E+09	1.29E+10	1.72E+10	3.11E+10	9.83	7.5	25.2
3E+09	8.7E+08	1.58E+09	3.65E+09	1.12E+10	1.87E+10	3.31E+10	-27.7	1.23	13.7
3.06E+09	1.53E+09	2.01E+09	3.78E+09	1.17E+10	2.16E+10	2.64E+10	13.2	6.73	26.8
1.42E+10	3.82E+09	1.16E+10	1.83E+10	2.38E+10	4.05E+10	2180000	0.45	47.1	19.5
2.46E+10	1.11E+10	1.3E+10	3.17E+10	3.87E+10	4.92E+10	6.92E+10	-44.6	5.66	59.6
3.66E+10	2.05E+10	1.37E+10	4.83E+10	6.12E+10	6.18E+10	4E+10	11.8	15.4	63.6
3.31E+10	1.75E+10	1.7E+10	4.34E+10	5.88E+10	8.13E+10	4.37E+10	24.3	26.2	59.8
3.58E+10	1.89E+10	1.69E+10	4.55E+10	5.76E+10	1.14E+11	4.85E+10	30.3	19.6	56.3
9.43E+08	7.9E+08	2.08E+08	2.86E+09	3.82E+09	1.26E+10	420000	0.66	-34.2	12.6
1.1E+09	8.82E+08	2.22E+08	3.33E+09	4.39E+09	1.25E+10	1.43E+10	-18.1	24.5	24.7
1.1E+09	8.83E+08	3.22E+08	3.23E+09	4.49E+09	1.25E+10	1.13E+10	6.81	22.8	25
1.12E+09	8.28E+08	2.29E+08	3.13E+09	4.44E+09	1.02E+10	1.13E+10	-3.19	21.3	24.6
8.84E+08	5.93E+08	2.76E+08	2.78E+09	3.97E+09	9.13E+09	1.08E+10	-11.5	18.2	25.2
0	4.15E+10	3.94E+09	8.56E+10	8.61E+10	1.75E+11	1760000	0.38	39.4	10.3
0	4.76E+10	3.34E+09	1.03E+11	1.03E+11	1.72E+11	0	-12.5	11.8	0
0	4.71E+10	3.44E+09	8.92E+10	8.92E+10	1.41E+11	0	-8.32	12.1	0
0	4.69E+10	3.54E+09	8.59E+10	8.59E+10	1.46E+11	0	-9.44	11.8	0
0	4.6E+10	4E+09	8.33E+10	8.33E+10	1.95E+11	0	-4.91	11	0
3.3E+09	1.61E+09	8.07E+08	2.96E+09	1.32E+10	6.19E+09	1560000	1.13	84	21.8
4.83E+09	2.53E+09	9.44E+08	4.78E+09	1.8E+10	1.01E+10	1.32E+10	51.1	14.6	25
2.67E+09	1.26E+09	1.28E+09	2.63E+09	1.91E+10	6.92E+09	1.42E+10	15.9	19.9	26.8
3.11E+09	1.62E+09	8.53E+08	2.94E+09	1.88E+10	9E+09	1.34E+10	-10.4	10.4	14
5.83E+09	3.07E+09	1.73E+09	5.74E+09	2.14E+10	1.5E+10	1.24E+10	-13.3	12.3	16.5
1.09E+10	7.7E+09	1.14E+09	1.82E+10	1.19E+11	1.6E+11	2640000	0.52	45.1	25.4
8.43E+09	7.99E+09	8.79E+08	1.95E+10	1.25E+11	1.1E+11	1.43E+11	-21	11.9	9.11
1.39E+10	9.67E+09	4.46E+08	1.59E+10	3.43E+10	8.66E+10	1.51E+11	-24.4	11.1	6.74
8.14E+09	7.22E+09	5.88E+08	1.03E+10	3.09E+10	1.05E+11	1.41E+11	3.72	15.8	40.4
1.72E+10	1.47E+10	5.45E+08	1.88E+10	4.31E+10	1.4E+11	1.29E+11	-24.5	14.8	26.3

6.05E+08	5.4E+08	6.35E+08	4.37E+09	1.16E+10	1.85E+10	1600000	0.45	-16.4	0.46
9.9E+08	7.91E+08	9.61E+08	5.07E+09	1.39E+10	2.52E+10	1.62E+10	48.6	9.92	5.19
1.03E+09	7.69E+08	7.01E+08	4.71E+09	1.34E+10	1.27E+10	2.45E+10	-5.56	12.5	7.13
1.17E+09	6.78E+08	5.45E+08	5.12E+09	1.39E+10	1.31E+10	2.47E+10	-19.9	11.3	7.64
1.22E+09	14300000	4.45E+08	4.68E+09	1.21E+10	8.49E+09	2.18E+10	-40.7	9.71	8.39
0	1.49E+10	2.93E+09	3.46E+10	3.46E+10	1.47E+11	5560000	0.98	47.1	12.9
0	1.89E+10	3.8E+09	4.18E+10	4.18E+10	2.12E+11	0	22.3	14.5	0
0	2E+10	5.06E+09	4.18E+10	4.18E+10	9.29E+10	0	23.6	15.1	0
0	2.07E+10	4.25E+09	4.2E+10	4.2E+10	1.05E+11	0	-27.9	15.3	0
0	2.03E+10	4.79E+09	4.03E+10	4.03E+10	1.32E+11	0	-37.7	14.5	0
3.99E+10	1.65E+10	2.9E+10	6.04E+10	1.18E+11	1.24E+11	8810000	0.19	18.2	10.4
4.93E+10	1.83E+10	3.26E+10	3.84E+10	1.34E+11	1.27E+11	1.24E+11	-32.5	9.57	33.9
4.88E+10	1.82E+10	2.75E+10	3.77E+10	1.36E+11	1.34E+11	5.76E+10	5.88	9.98	36.9
4.89E+10	1.86E+10	2.56E+10	4.02E+10	1.42E+11	1.74E+11	5.09E+10	10.6	10.3	35.9
4.03E+10	1.9E+10	2.14E+10	4.13E+10	1.43E+11	2.01E+11	9.62E+10	25.2	10.2	34.3
7.85E+09	6.72E+09	47900000	8.55E+09	2.85E+10	2.74E+10	4920000	0.16	-9.88	4.48
7.94E+09	6.32E+09	35600000	8.98E+09	3.81E+10	2.41E+10	5.85E+10	-44.4	15.5	27.6
4.33E+09	3.37E+09	94100000	5.35E+09	2.61E+10	2.2E+10	3.98E+10	9.49	12.6	20.8
4.84E+09	3.61E+09	28900000	5.8E+09	2.86E+10	2.14E+10	4.77E+10	11.6	6.73	16.6
3.53E+09	2.14E+09	27100000	4.39E+09	2.54E+10	2.08E+10	5.55E+10	-33.2	7.06	16.9
1.69E+10	5.07E+09	2.01E+10	7.82E+10	3.22E+11	6.56E+10	940000	0.63	8.8	5.83
3.25E+10	1.13E+10	2.28E+10	1.04E+11	4.31E+11	7.59E+10	1.36E+11	-26	4.76	5.25
2.53E+10	9.7E+09	2.5E+10	9.17E+10	4.81E+11	6.7E+10	1.18E+11	4.61	9.55	7.54
2.51E+10	8.22E+09	2.42E+10	9.07E+10	4.53E+11	8.28E+10	1.19E+11	3.86	8.25	5.26
2.32E+10	6.7E+09	1.91E+10	8.56E+10	4.21E+11	9.82E+10	1.2E+11	8.49	7.16	5.55
5.61E+08	3.21E+08	1.6E+08	1.85E+09	4.82E+09	2.01E+10	1400000	0.65	-26.2	13.6
7.08E+08	7.22E+08	2.32E+08	2.06E+09	5.26E+09	2.69E+10	1.76E+10	65.7	10.2	11.6
7.41E+08	6.3E+08	2.41E+08	1.97E+09	5.11E+09	1.58E+10	2.87E+10	-10.6	20.1	13.5
9.76E+08	7.27E+08	3.55E+08	2.27E+09	5.49E+09	1.79E+10	2.48E+10	-14.6	16.9	14.5
9.65E+08	6.49E+08	3.85E+08	2.26E+09	5.29E+09	1.23E+10	2.07E+10	-37.3	17	17.8
6.99E+09	4.6E+09	4.43E+08	8.49E+09	2.75E+10	2.9E+10	5480000	0.59	-19.5	8.63
7.26E+09	5.1E+09	3.44E+08	9E+09	3.34E+10	2.78E+10	5.66E+10	-17.5	13.9	25.4
6.36E+09	4.07E+09	2.75E+08	7.87E+09	3E+10	2.33E+10	5.41E+10	2.5	13.6	21.7
7.06E+09	4.42E+09	1.6E+08	8.91E+09	3.54E+10	2.76E+10	6.02E+10	8.99	10.2	21.2
6.52E+09	3.5E+09	1.22E+08	8.27E+09	3.82E+10	2.31E+10	6.51E+10	-21.7	10.3	19.9
1.65E+08	1.25E+08	31600000	2.8E+08	1.04E+09	0	1030000	0.8	3.77	22.8
3.07E+08	2.72E+08	40100000	4.34E+08	1.4E+09	1.2E+10	0	0	12.1	15.9
3.72E+08	3.2E+08	16600000	5.24E+08	1.74E+09	6.89E+09	1.07E+10	1.11	13.1	22
5.16E+08	4.13E+08	60900000	6.62E+08	2.08E+09	9.14E+09	9.01E+09	9.08	15.7	21.4
6.24E+08	4.97E+08	48700000	7.69E+08	2.33E+09	9.37E+09	9.96E+09	-29.8	19.4	24.8
3.52E+09	9.78E+08	3.94E+09	4.37E+09	8.97E+09	5E+09	2530000	0.59	20.7	13.9
2.62E+09	2.74E+08	3.29E+09	3.6E+09	1.16E+10	1.24E+10	2.01E+10	-23.7	8.76	39.2
3.36E+09	9.03E+08	4.18E+09	4.52E+09	1.32E+10	7.06E+09	1.93E+10	212.6	0.91	22.6

4.46E+09	1.41E+09	4.96E+09	5.8E+09	1.32E+10	9.21E+09	3.14E+10	-38.9	6.85	25.4
4.9E+09	1.85E+09	6.4E+09	6.44E+09	1.36E+10	1.19E+10	2.75E+10	-2.01	11.5	33.7
1.19E+10	5.49E+09	3.07E+09	1.25E+10	3.57E+10	4.69E+10	3020000	0.48	25.6	14.8
1.62E+10	8.09E+09	3.62E+09	1.76E+10	5.28E+10	5.85E+10	5.49E+10	-10.3	10.4	33.3
1.74E+10	1.01E+10	4.16E+09	1.94E+10	5E+10	7.62E+10	5.13E+10	25.2	13.8	30.6
1.67E+10	9.11E+09	5.09E+09	1.82E+10	4.84E+10	7.74E+10	6.5E+10	23.4	18	34.8
1.51E+10	8.55E+09	4.95E+09	1.64E+10	4.64E+10	1.08E+11	7.06E+10	18.6	16	34.6
1.59E+10	3.19E+09	1.36E+10	3.19E+10	6.03E+10	2.55E+10	680000	0.33	30.2	7.3
1.61E+10	4.08E+09	1.34E+10	3.62E+10	6.92E+10	5.81E+10	4.73E+10	-33	5.85	26.5
1.54E+10	4E+09	1.3E+10	3.61E+10	6.98E+10	4.68E+10	3.22E+10	20.9	6.56	23.3
1.58E+10	4.29E+09	1.27E+10	3.67E+10	7.24E+10	6.23E+10	6.28E+10	18.1	6.38	22.1
1.59E+10	4.52E+09	1.23E+10	3.64E+10	7.25E+10	7.85E+10	4.75E+10	21.8	6.89	21.9
1.22E+10	1.91E+09	8.98E+09	2.6E+10	4.65E+10	1.88E+10	1630000	0.41	50.8	5.78
1.32E+10	2.26E+09	1.13E+10	2.83E+10	5.16E+10	1.58E+10	3.33E+10	-39.4	3.88	26.2
1.22E+10	2.43E+09	1.05E+10	2.9E+10	5.15E+10	1.29E+10	1.85E+10	-12.4	4.39	25.6
1.19E+10	2.64E+09	1.12E+10	2.98E+10	5.25E+10	1.92E+10	1.15E+10	23.8	4.97	23.7
1.09E+10	2.82E+09	1.04E+10	2.98E+10	5.34E+10	2.63E+10	1.21E+10	1.45	5.43	22.6
1.01E+09	6.21E+08	1.11E+08	2.33E+09	7.87E+09	1.28E+10	390000	0.56	-42.1	19.5
1.29E+09	9.03E+08	1.68E+08	2.89E+09	1.21E+10	2.05E+10	1.2E+10	30.9	16.9	12.8
1.16E+09	7.6E+08	2.45E+08	2.8E+09	1.26E+10	1.75E+10	1.45E+10	43.8	21.8	10.7
1.57E+09	8.38E+08	1.6E+08	3.11E+09	1.32E+10	1.41E+10	2.01E+10	13.6	17.8	9.27
1.89E+09	6.69E+08	88500000	3.38E+09	1.21E+10	9.47E+09	2.28E+10	-27	22.2	11.9
1.54E+09	9.62E+08	8.45E+08	1.89E+09	1.1E+10	1.42E+10	5640000	0.65	-2.87	13.8
1.78E+09	1.22E+09	9.84E+08	2.21E+09	1.47E+10	1.95E+10	1.47E+10	33.6	21.8	14
1.84E+09	8.51E+08	9.05E+08	2.28E+09	1.6E+10	1.25E+10	1.9E+10	29	23	12.1
1.63E+09	9.61E+08	9.16E+08	2.02E+09	1.61E+10	8.44E+09	2.37E+10	-25.3	15.2	11.5
1.5E+09	8.2E+08	8.46E+08	1.84E+09	1.51E+10	8.11E+09	1.85E+10	-47.5	16.5	10.2
-3.24E+08	-5.12E+08	7.45E+08	5.84E+08	1.66E+09	2.86E+10	2260000	0.59	-24.6	11.9
3.04E+08	1.7E+08	8.86E+08	1.56E+09	2.53E+09	2.36E+10	3.11E+10	4.97	-5.5	-19.5
-1.77E+08	-4.4E+08	6.49E+08	5.34E+08	1.48E+09	1.96E+10	3.22E+10	-32.9	2.09	12
1.15E+09	8.74E+08	7.63E+08	3.42E+09	4.57E+09	2.48E+10	2.11E+10	27.7	-5.16	-11.9
1.44E+09	1.13E+09	6.22E+08	4.32E+09	5.6E+09	1.96E+10	2.77E+10	-15.2	10.1	25.1
9.37E+08	8.48E+08	4.3E+08	2.26E+09	1.41E+10	2.01E+10	1300000	1.12	72.5	18.9
6.77E+08	7.63E+08	4.46E+08	2.74E+09	1.6E+10	3.41E+10	1.65E+10	73.9	9.36	6.64
5.66E+08	7.63E+08	5.1E+08	3.03E+09	2.15E+10	1.08E+10	3.14E+10	-19.6	6.48	4.23
7.47E+08	7.49E+08	8.05E+08	3.83E+09	2.53E+10	1.16E+10	2.5E+10	-46.5	6.35	2.64
1.49E+09	2.28E+09	4.16E+08	5.22E+09	3.29E+10	1.87E+10	1.14E+10	-24.6	6.12	2.95
0	5.23E+09	1.45E+09	4.16E+10	4.16E+10	8.52E+10	9630000	0.5	20.3	13
0	1.39E+10	1.09E+09	4.99E+10	4.99E+10	1.22E+11	0	-33	3.07	0
0	1.56E+10	1.28E+09	4.64E+10	4.64E+10	1.01E+11	0	15.1	7.32	0
0	2.35E+10	1.15E+09	5.64E+10	5.64E+10	1.35E+11	0	3.52	8.52	0
0	2.4E+10	1.34E+09	6.13E+10	6.13E+10	1.64E+11	0	29.8	13	0
5.06E+08	47400000	9.3E+08	7.96E+08	4.38E+09	3.5E+10	320000	0.47	9.35	42.9

6.32E+08	-6.55E+08	6.97E+08	9.26E+08	6.15E+09	1.53E+10	2.13E+10	90.7	2.97	11.5
7.09E+08	1.99E+08	1.2E+08	9.22E+08	4.5E+09	8.92E+09	4.15E+10	-70.5	-35.8	10.3
1.09E+09	6.35E+08	63800000	1.33E+09	5.85E+09	1.43E+10	1.44E+10	27.3	21.3	15.8
1.08E+09	6.45E+08	1.78E+08	1.4E+09	5.86E+09	1.12E+10	1.7E+10	-35.1	47.4	18.7
2.4E+09	1.36E+09	16400000	9.38E+09	3.21E+10	2.37E+10	1680000	0.66	24.7	17.3
2.87E+09	2.06E+09	1.16E+09	1.1E+10	3.58E+10	3.75E+10	2.12E+10	0	17	7.48
2.85E+09	2.13E+09	1.19E+09	1.09E+10	3.53E+10	2.58E+10	3.95E+10	17.3	17.7	8.03
3.34E+09	2.34E+09	1.49E+09	1.05E+10	3.87E+10	2.76E+10	3.82E+10	-19.3	16.7	8.08
3.51E+09	2.57E+09	1.38E+09	1.08E+10	3.92E+10	3.68E+10	2.95E+10	-17.1	16.9	8.63
7.68E+08	-3.32E+08	0	8.25E+08	1.15E+09	1.09E+10	3700000	0.57	-42.7	1.88
8.83E+08	4.96E+08	0	9.46E+08	1.32E+09	1.04E+10	1.44E+10	19.6	-1.39	67.1
8.62E+08	4.92E+08	0	9.33E+08	1.33E+09	5.92E+09	1.7E+10	-21.6	3.2	66.7
8.81E+08	5.08E+08	0	9.51E+08	1.33E+09	5.95E+09	1.56E+10	-4.86	2.98	64.8
7.68E+08	2.77E+08	0	8.34E+08	1.45E+09	4.03E+09	1.54E+10	-28.7	3.22	66.5
0	2.15E+09	2.72E+08	4.03E+09	4.03E+09	2.94E+10	11300000	0.46	4.94	10.9
0	1.79E+09	2.75E+08	3.92E+09	3.92E+09	3.64E+10	0	-17	9.21	0
0	1.45E+09	2.42E+08	3.42E+09	3.42E+09	2.72E+10	0	6.73	7.59	0
0	2.28E+09	2.24E+08	4.43E+09	4.43E+09	2.19E+10	0	-9.04	6.55	0
0	2.37E+09	2.25E+08	4.77E+09	4.77E+09	2.33E+10	0	-29.9	10.9	0
4.58E+08	3.94E+08	2.19E+08	1.21E+09	1.33E+09	2.64E+10	670000	0.61	9.64	16.1
4.86E+08	4.27E+08	72400000	1.43E+09	1.56E+09	1.32E+10	1.74E+10	45.2	16.6	34.4
4.25E+08	3.75E+08	39600000	1.23E+09	1.36E+09	9.69E+09	2.63E+10	-49.5	14.3	31
4.27E+08	4.62E+08	31000000	1.28E+09	1.42E+09	1.13E+10	1.22E+10	-21.9	12.1	31.2
5.86E+08	5.99E+08	30400000	1.53E+09	1.68E+09	1.4E+10	8.74E+09	6.2	13.5	29.9
1.64E+09	1.31E+09	0	1.97E+09	3.23E+09	1.71E+10	8700000	1.04	-1.87	2.13
1.23E+09	1.69E+09	0	1.56E+09	3.02E+09	2.03E+10	3.45E+10	-20.9	3.13	50.9
9.19E+08	1.18E+09	0	1.34E+09	3.28E+09	1.25E+10	3.14E+10	9.75	3.9	40.7
8.43E+08	1.19E+09	0	1.26E+09	3.53E+09	1.28E+10	3.42E+10	-17.9	2.73	28
6.83E+08	8.11E+08	0	1.15E+09	3.25E+09	1.57E+10	3.77E+10	-11.7	2.84	23.9
9.22E+08	7.04E+08	1.17E+08	1.45E+09	3.43E+09	8.24E+09	2520000	0.49	-22.7	11
7.16E+08	5.15E+08	1.23E+08	1.22E+09	3.27E+09	6.07E+09	9.07E+09	-1.08	24.4	26.9
5.98E+08	2.79E+08	1.63E+08	1.11E+09	3.28E+09	4.6E+09	8.65E+09	-26.9	16.9	21.9
6.11E+08	3.95E+08	2.07E+08	1.13E+09	3.35E+09	3.95E+09	6.08E+09	3.24	9.98	18.2
5.15E+08	3.15E+08	2.13E+08	1E+09	3.11E+09	3.48E+09	5.98E+09	-29.9	13.9	18.2
1.79E+09	1.48E+09	1.74E+08	2.37E+09	2.46E+09	6.04E+10	5410000	0.82	10	24.8
1.97E+09	1.61E+09	1.37E+08	2.56E+09	2.66E+09	7.66E+10	1.22E+10	68	24.5	73
1.58E+09	1.29E+09	1.65E+08	2.24E+09	2.34E+09	3.46E+10	3.61E+10	7.15	25.2	74.1
1.8E+09	1.52E+09	1.77E+08	2.5E+09	2.61E+09	4.53E+10	2.55E+10	-26	20.2	67.3
2.01E+09	1.68E+09	2.07E+08	2.74E+09	2.87E+09	5.03E+10	8.37E+09	-20.5	23.5	69
0	4.84E+10	5.82E+09	9.21E+10	9.21E+10	2.47E+11	1420000	0.3	36.4	9.45
0	5.48E+10	4.34E+09	1.04E+11	1.04E+11	2.44E+11	0	-16.2	11.3	0
0	5.24E+10	3.35E+09	9.61E+10	9.61E+10	1.98E+11	0	-12.5	11.3	0
0	5.13E+10	4.4E+09	9.27E+10	9.27E+10	2.14E+11	0	-8.64	10.7	0

0	5.01E+10	5.93E+09	9.05E+10	9.05E+10	2.79E+11	0	-4.98	10	0
55800000	-2.64E+09	2400000	7.53E+08	2.97E+09	0	2290000	1.16	-28.1	7.95
-2.16E+08	-1.69E+08	79100000	1.13E+09	4.83E+09	2.82E+10	0	0	-88.9	1.88
-8830000	55100000	5820000	1.43E+09	6.78E+09	1.71E+10	6.27E+10	-59	-2.71	-4.47
1.12E+08	3.02E+08	8630000	1.67E+09	7.55E+09	1.47E+10	1.87E+10	16.1	0.91	-0.13
1.8E+08	5.7E+08	5290000	1.82E+09	7.97E+09	1.17E+10	2.23E+10	-45.2	4.55	1.49
3.22E+08	-6.33E+08	4.87E+08	9.64E+08	1.12E+10	0	1150000	0.87	30.9	12
-1.36E+08	-2.49E+09	6.54E+08	9.11E+08	1.65E+10	2.24E+10	0	0	0	2.87
4.25E+08	-2E+08	7.01E+08	1.46E+09	1.99E+10	8.68E+09	0	0	-83.5	-0.83
7.16E+08	86900000	7.5E+08	1.79E+09	2.35E+10	7.41E+09	1.74E+10	-42.8	-2.33	2.13
1.5E+09	8.49E+08	7.09E+08	2.56E+09	2.5E+10	1.23E+10	9.33E+09	-35.3	2.15	3.05
2.57E+09	7.57E+09	1.67E+09	9.25E+09	1.14E+11	1.27E+11	22600000	0.4	20.9	14.7
1.51E+09	-5.6E+08	2.52E+09	1.1E+10	1.5E+11	1.22E+11	4.87E+10	0	30.6	2.25
3.71E+09	1.51E+09	2.88E+09	1.22E+10	1.52E+11	5.91E+10	1.27E+11	-19.9	-1.91	1.01
5.25E+09	3.41E+09	2.89E+09	1.34E+10	1.53E+11	4.08E+10	8.92E+10	-19.6	3.72	2.45
6.64E+09	5.67E+09	2.4E+09	1.55E+10	1.59E+11	5.86E+10	7.61E+10	-48.9	8.15	3.43
-1.08E+09	-1.79E+10	9.05E+08	3.65E+09	9E+09	0	2070000	1.11	-21.9	27.6
-3.71E+09	-1.23E+10	1.22E+09	5.36E+09	1.28E+10	5.57E+10	0	0	0	-12
-1.14E+09	-2E+09	7.39E+08	6.11E+09	1.37E+10	1.8E+10	0	0	0	-29.1
1.42E+09	9.02E+08	6.91E+08	8.09E+09	1.6E+10	2.78E+10	3.34E+10	-1.39	-32.2	-8.34
2.43E+09	2.1E+09	1.1E+09	9.49E+09	1.74E+10	2.56E+10	3.58E+10	-25.5	14.4	8.86
2.61E+09	1.01E+09	6.42E+08	8.94E+09	5.57E+10	7.51E+09	510000	0.93	-7.69	26
4.13E+09	1.88E+09	8.95E+08	1.19E+10	7.06E+10	1.31E+10	1.14E+10	40	26.6	4.69
3.94E+09	1.91E+09	1.18E+09	1.12E+10	6.6E+10	9.36E+09	1.46E+10	22.4	46.2	5.85
2.45E+09	8.76E+08	8.04E+08	9.52E+09	5.57E+10	1.49E+10	1.51E+10	-28.5	37.7	5.97
3.38E+09	1.54E+09	6.86E+08	1.07E+10	6.59E+10	1.68E+10	1.01E+10	70.4	16	4.4
-48700000	-23200000	1.03E+08	2.37E+08	1.45E+09	1.69E+10	9190000	1	-36.1	12.2
-67200000	-50600000	5.42E+08	9.07E+08	4.25E+09	3.32E+10	0	0	-0.97	-3.36
-3.54E+08	-2.92E+08	7.44E+08	1.27E+09	6.57E+09	1.39E+10	2.21E+10	0	-0.91	-1.58
1.3E+09	1.65E+09	9.18E+08	3.88E+09	1.75E+10	3.52E+10	2.66E+10	-37.4	-4.71	-5.39
1.38E+09	1.1E+09	1.06E+09	4.06E+09	1.98E+10	2.89E+10	1.43E+10	91.5	22.3	7.44
4.05E+08	2.6E+08	91000000	1.09E+09	2.21E+09	1.28E+10	1390000	0.97	-21.2	11.9
8.94E+08	6.31E+08	2.77E+08	1.88E+09	3.55E+09	2.77E+10	6.28E+09	128.3	21.5	18.3
7.98E+08	5.89E+08	2.96E+08	1.81E+09	3.74E+09	1.41E+10	1.63E+10	60.1	26.9	25.2
6.45E+08	4.49E+08	2.72E+08	1.88E+09	3.89E+09	8.24E+09	2.78E+10	-20.6	17.9	21.3
7.06E+08	4.13E+08	1.96E+08	1.94E+09	3.93E+09	5.27E+09	2.15E+10	-69.2	13.1	16.6
1.01E+09	-1.73E+09	0	1.08E+09	1.38E+09	1.57E+10	9310000	0.91	-25.1	-3.58
1.1E+09	1.18E+09	4230000	1.18E+09	1.51E+09	1.85E+10	2.59E+10	-14.4	-8.66	73.7
1.12E+09	1.93E+09	79300000	1.21E+09	1.57E+09	1.3E+10	2.39E+10	-2.76	5.7	73.2
1.11E+09	-2.5E+08	70200000	1.23E+09	1.63E+09	1.19E+10	2.43E+10	-16.5	8.49	71.3
1.18E+09	-7.18E+08	0	1.32E+09	1.75E+09	1.21E+10	2.29E+10	-23.5	-1.32	68.3
6.41E+09	3.06E+09	1.33E+08	8.28E+09	2.83E+10	3.28E+10	3250000	1.86	-20	5.03
6.4E+09	3.75E+09	84100000	8.9E+09	3.52E+10	2.95E+10	5.4E+10	24.4	16	22.7

6.01E+09	3.53E+09	43800000	7.69E+09	3.63E+10	1.05E+10	6.34E+10	-19.2	15.3	18.2
2.85E+09	1.81E+09	1.2E+08	4.31E+09	2.55E+10	9.83E+09	6.21E+10	-33.8	14.4	16.5
1.65E+09	1.43E+09	46100000	2.8E+09	1.75E+10	1.12E+10	5.96E+10	-48.6	7.3	11.2
1.43E+09	-6.2E+08	7.9E+08	8.33E+08	5.49E+09	3.06E+10	3820000	0.49	-10.6	8.8
2.49E+09	1.23E+09	1.11E+09	1.21E+09	6.05E+09	3.38E+10	4.01E+10	-5.86	-2.65	26
2.45E+09	1.26E+09	2.47E+09	1.2E+09	6.13E+09	2.72E+10	3.88E+10	-3.46	5.42	41.1
1.91E+09	9.96E+08	1.58E+09	2.16E+09	7.29E+09	2.37E+10	3.69E+10	-1.19	5.64	39.9
3.44E+09	2.03E+09	2.58E+09	2.54E+09	7.73E+09	2.27E+10	3.65E+10	-26.7	4.51	26.2
2.12E+08	7.21E+08	2.42E+09	5.22E+09	1.76E+10	2.19E+11	4110000	0.18	85.2	22.1
-3.06E+09	-3.71E+09	1.42E+09	6.69E+09	2.82E+10	2.13E+11	6.82E+10	189.1	4.96	1.21
49400000	-9.69E+08	8.31E+08	8.95E+09	3.19E+10	9.6E+10	2.17E+11	-23.5	-21.1	-10.9
1.98E+09	1.95E+09	9.7E+08	1.37E+10	3.9E+10	9.1E+10	1.68E+11	-22.5	-5.26	0.16
5.27E+09	4.91E+09	1.51E+09	1.78E+10	4.63E+10	1.41E+11	1.32E+11	-53.1	9.88	5.08
4.4E+09	4.17E+09	7.13E+08	1.02E+10	4.35E+10	8.12E+10	3390000	0.82	0	19.3
4.73E+09	4.5E+09	1.07E+09	1.2E+10	5.37E+10	7.37E+10	5.74E+10	0	23.7	10.1
5.27E+09	4.28E+09	1.07E+09	1.2E+10	4.99E+10	3.85E+10	1.04E+11	0	22.4	8.81
6.04E+09	4.76E+09	8.9E+08	1.35E+10	5.25E+10	5.15E+10	8.02E+10	0	20.8	10.6
6.18E+09	5.28E+09	1.07E+09	1.47E+10	5.58E+10	7.65E+10	5.35E+10	0	20.7	11.5
2.76E+09	1.85E+09	1.62E+08	5.97E+09	1.13E+10	6.01E+10	6100000	0.82	-1.56	22.4
3.1E+09	2.65E+09	2.52E+08	7.39E+09	1.38E+10	6.43E+10	0	0	14.8	24.4
3.26E+09	2.95E+09	3.05E+08	7.65E+09	1.4E+10	3.36E+10	5.63E+10	6.71	17.6	22.5
4.34E+09	4.15E+09	3.25E+08	8.89E+09	1.46E+10	6.8E+10	5.67E+10	-27.3	18.5	23.3
4.38E+09	4.07E+09	1.75E+08	9.02E+09	1.44E+10	5.21E+10	3.38E+10	22.8	24.8	29.7
4.21E+08	3.8E+08	3.1E+08	1.89E+09	3.6E+09	2.57E+10	24200000	0.27	-11.4	9.64
-4.51E+08	-7.7E+08	4.29E+08	2.12E+09	4.37E+09	3.48E+09	1.73E+10	0	7.41	11.7
4.41E+08	-2.45E+08	1.51E+08	1.25E+09	2.52E+09	4.21E+09	2.94E+10	-88.3	-19	-10.3
4.28E+08	3.06E+08	1.43E+08	1.96E+09	3.58E+09	1.08E+10	-4.3E+08	75.3	-5.33	17.5
5.35E+08	3.92E+08	2.49E+08	2.55E+09	4.82E+09	1.03E+10	2.35E+09	93.9	8.8	11.9
1.31E+09	8.08E+08	3.43E+08	2.07E+09	3.5E+09	5.15E+10	420000	0.53	-24.8	39.8
1.73E+09	1.13E+09	3.88E+08	2.78E+09	4.67E+09	5.7E+10	0	0	41.6	37.4
1.71E+09	1.23E+09	6.08E+08	2.77E+09	4.82E+09	5.73E+10	7.92E+10	-6.28	39.5	36.9
2.32E+09	1.7E+09	6.65E+08	3.58E+09	6.02E+09	6.45E+10	7.25E+10	-14.3	37.9	35.5
2.26E+09	1.66E+09	8.78E+08	3.41E+09	5.88E+09	4.22E+10	6.12E+10	2.38	45.9	38.6
1.17E+09	9.03E+08	3.7E+08	1.59E+09	8.19E+09	2.7E+09	19500000	2.13	5.6	21.1
7.59E+09	7.13E+09	5.8E+08	8.18E+09	1.68E+10	1.22E+10	5.28E+09	105	17.1	14.2
1.01E+10	9.97E+09	5.25E+08	1.04E+10	1.98E+10	9.62E+09	7.42E+09	146.8	93.1	45.1
1.28E+09	1.37E+09	1.38E+09	1.16E+09	8.34E+09	8.74E+09	1.42E+10	-26.3	86.2	51
2.68E+09	2.58E+09	1.26E+09	2.82E+09	1.07E+10	9.01E+09	3.47E+09	-22.7	11.1	15.3
3.71E+10	2.91E+09	3.8E+10	1.02E+11	2.96E+11	1.04E+11	1140000	0.71	18.4	11
6.1E+10	1.45E+10	4.12E+10	1.33E+11	4.12E+11	1.49E+11	2.43E+11	-38.6	2.38	12.5
6.88E+10	2.16E+10	3.53E+10	1.49E+11	4.7E+11	1.22E+11	2.03E+11	44.6	8.27	14.8
6.91E+10	2.28E+10	3.96E+10	1.47E+11	4.25E+11	1.72E+11	2.03E+11	2.88	11.1	14.7
6.55E+10	2.26E+10	4.14E+10	1.37E+11	4.03E+11	2E+11	1.78E+11	44.5	11.4	16.3

3.41E+10	2.19E+10	1.53E+09	6.58E+10	2.02E+11	2.02E+11	7250000	0.85	30.3	11.6
2.8E+10	1.6E+10	1.92E+09	6.06E+10	2E+11	1.36E+11	4.24E+11	3.15	17.3	16.9
2.53E+10	1.61E+10	1.29E+09	3.94E+10	1.28E+11	8.48E+10	5.2E+11	-40.9	11.8	14
2.33E+10	1.21E+10	1.1E+09	3.86E+10	1.28E+11	1.05E+11	4.39E+11	-8.01	11.9	19.7
2.89E+10	1.73E+10	9.15E+08	4.49E+10	1.32E+11	1.3E+11	3.98E+11	-31.6	9.05	18.2
1.26E+08	80200000	27000000	2.44E+08	3.85E+08	0	1020000	0.73	342.7	35.5
2.13E+08	1.35E+08	45300000	4.34E+08	7.07E+08	8.28E+09	0	0	15.6	32.7
1.17E+08	69000000	38600000	3.85E+08	6.69E+08	1.78E+09	1.46E+10	-45.1	13.2	30.1
2.17E+08	1.53E+08	45700000	5.45E+08	8.89E+08	3.89E+09	7.2E+09	-55.7	6.9	17.4
6.29E+08	4.28E+08	51100000	1.19E+09	1.79E+09	1.22E+10	2.8E+09	2.17	14.8	24.4
1.69E+08	7.91E+08	260000	1.89E+08	1.89E+08	1.1E+10	5370000	0.54	19.8	6.96
1.91E+08	7.87E+08	0	2.09E+08	2.09E+08	1.3E+10	1.56E+10	-26.3	7.2	89.5
1.49E+08	7.25E+08	130000	1.62E+08	1.62E+08	1.03E+10	1.16E+10	15.7	7.16	91.3
1.07E+08	7.68E+08	260000	1.65E+08	1.65E+08	1.03E+10	1.33E+10	-12	6.51	92.1
59200000	7.88E+08	0	1.18E+08	1.18E+08	1.42E+10	1.16E+10	5.85	6.84	64.7
-5.57E+08	-1.52E+09	1.02E+09	5.49E+08	1.69E+09	2.83E+10	110000	0.74	-8.53	203.5
2.01E+08	-1E+09	5.64E+08	1.73E+09	2.87E+09	1.85E+10	4.71E+10	-18.2	-47.8	-33
-4.53E+08	-1.58E+09	2.03E+08	4.87E+08	1.61E+09	1.35E+10	4.09E+10	-46.7	-74.4	6.99
2.03E+09	6.92E+08	2.01E+08	5.24E+09	6.53E+09	2.19E+10	2.55E+10	42.6	-1683	-28.2
2.11E+09	1.05E+09	8.39E+08	5.68E+09	7.08E+09	2.08E+10	3.48E+10	-11.8	0	31
1.16E+09	7.16E+08	5.27E+09	9.21E+08	3.91E+09	3.49E+10	2620000	-0.3	60.1	2.33
2.5E+09	1.7E+09	4.12E+09	1.68E+09	5.44E+09	3.35E+10	1.19E+10	85.1	4.2	29.7
3.82E+09	1.82E+09	6.17E+09	2.76E+09	7.27E+09	2.34E+10	3.23E+10	-15.6	7.54	45.9
2.73E+09	9.03E+08	7.63E+09	1.22E+09	6.32E+09	3.42E+10	3.2E+10	-10.4	8.08	52.5
3.47E+09	4.93E+08	7.66E+09	1.45E+09	8.03E+09	4.44E+10	2.7E+10	18.8	3.76	43.2
9.79E+08	7.82E+08	3.53E+08	1.1E+09	3.53E+09	2.6E+10	3250000	0.9	-22.9	18.2
7.34E+08	5.31E+08	3.43E+08	9.11E+08	3.75E+09	3.24E+10	2.12E+10	33.5	19.4	27.7
7.66E+08	6.62E+08	1.8E+08	8.88E+08	4.03E+09	1.07E+10	2.86E+10	-1.38	12.2	19.5
7.57E+08	6.43E+08	1.14E+08	8.55E+08	3.52E+09	1.5E+10	2.8E+10	-41.4	15.6	19
9.93E+08	8.55E+08	2.09E+08	1.1E+09	3.93E+09	1.17E+10	1.62E+10	-8.43	14.3	21.5
8.67E+08	4.25E+08	2.18E+08	2.83E+09	3.62E+09	1.9E+10	260000	0.7	-7.78	11.8
8.59E+08	2.3E+09	2.7E+08	3.39E+09	4.23E+09	1.39E+10	1.79E+10	3.21	20.2	23.9
9.07E+08	3.69E+08	1.8E+08	3.12E+09	3.77E+09	9.32E+09	1.88E+10	-27.2	55.2	20.3
9E+08	3.29E+08	1.51E+08	2.99E+09	3.69E+09	7.27E+09	1.46E+10	-16.3	11.9	24
9.44E+08	4.8E+08	1.32E+08	3.22E+09	3.95E+09	8.22E+09	1.16E+10	-24.1	12.1	24.3
3.2E+09	1.1E+09	2.91E+08	6.18E+09	6.99E+10	7.13E+09	3570000	0.54	4.16	8.44
3.6E+09	1.22E+09	3.27E+08	6.93E+09	8.2E+10	7.45E+09	1.7E+10	-33.7	14.5	4.58
3.59E+09	1.24E+09	3.08E+08	6.88E+09	8.01E+10	6.13E+09	1.68E+10	-10.1	13.8	4.39
3.44E+09	1.28E+09	2.76E+08	6.84E+09	8.41E+10	7.69E+09	1.93E+10	17	13.7	4.49
2.74E+09	9.66E+08	2.02E+08	6.06E+09	8.01E+10	7.84E+09	1.9E+10	3.07	13	4.09
5.45E+09	2.82E+09	3.73E+08	6.07E+09	1.16E+10	3.7E+10	27100000	0.55	-11.6	2.96
4.49E+09	3.63E+09	3.95E+08	5.15E+09	1.02E+10	3.86E+10	5.43E+10	-16.2	3.83	47
3.77E+09	2.41E+09	4.85E+08	4.36E+09	8.34E+09	3.15E+10	4.99E+10	-5.4	4.85	44.2

3.99E+09	3.15E+09	5.46E+08	4.38E+09	9.13E+09	3.02E+10	4.82E+10	12.9	3.22	45.2
3.73E+09	2.24E+09	5.66E+08	4.37E+09	1.08E+10	3.14E+10	5.39E+10	-20.9	4.19	43.7
1.03E+09	7.46E+08	4.1E+08	1.33E+09	5.82E+09	1.81E+10	3120000	1.04	-2.82	11.5
1.06E+09	7.85E+08	3.98E+08	1.38E+09	5.9E+09	2.96E+10	1.88E+10	25.8	33.4	17.8
6.36E+08	3.49E+08	4.42E+08	9.58E+08	4.81E+09	9.4E+09	2.38E+10	45.3	26.8	18
3.65E+08	1.55E+08	3.17E+08	6.47E+08	4.47E+09	9.67E+09	3.38E+10	-62.3	11.5	13.2
6.04E+08	3.7E+08	2.86E+08	9.6E+08	5.25E+09	7.1E+09	1.19E+10	-23.7	5.11	8.16
1.03E+09	8.01E+08	4.59E+08	3.75E+09	9.81E+09	2.44E+10	3530000	1.32	10.2	18.5
1.38E+09	1.1E+09	7.47E+08	5.12E+09	1.32E+10	3.77E+10	1.55E+10	74	22	10.5
1.44E+09	1.08E+09	5.81E+08	5.21E+09	1.33E+10	1.81E+10	2.65E+10	40.3	25.5	10.4
1.4E+09	9.76E+08	5.02E+08	5.42E+09	1.37E+10	1.71E+10	3.75E+10	-43.9	21.7	10.8
1.54E+09	1.12E+09	2.92E+08	5.9E+09	1.46E+10	2.67E+10	2.28E+10	6.83	17.8	10.2
2.22E+10	2.45E+10	5.22E+09	3.39E+10	7.38E+10	7.25E+11	14000000	0.57	42	20.4
2.31E+10	3.54E+10	4.61E+09	3.87E+10	8.82E+10	5.89E+11	4.66E+11	50.2	25.3	30
1.95E+10	2.73E+10	3.29E+09	3.46E+10	8.04E+10	2.41E+11	7.08E+11	-19	27.5	26.2
2.59E+10	1.62E+10	2.96E+09	4.13E+10	8.59E+10	3.55E+11	5.82E+11	-26.9	22.7	24.2
3.15E+10	2.66E+10	8.62E+09	4.79E+10	9.05E+10	4.86E+11	4.22E+11	-12.1	14.3	30.2
1.44E+09	7.89E+08	9.31E+08	2.44E+09	5.28E+09	2.55E+10	410000	0.55	3.85	9.7
1.53E+09	6.58E+08	9.33E+08	2.69E+09	6.87E+09	2.9E+10	3.81E+10	-20.1	9.33	27.2
1.5E+09	6.87E+08	9.91E+08	2.78E+09	7.82E+09	1.46E+10	3.2E+10	10.1	7.73	22.2
1.47E+09	7.91E+08	1.07E+09	2.81E+09	7.29E+09	1.33E+10	3.6E+10	-38.9	8.06	19.1
1.49E+09	7.35E+08	8.29E+08	2.98E+09	7.14E+09	1.47E+10	2.55E+10	-19.4	9.81	20.2
1.29E+09	6.22E+08	3.29E+08	3.44E+09	1.04E+10	1.03E+10	350000	-0.08	6.3	24.8
1.09E+09	5.99E+08	4.67E+08	3.54E+09	1.17E+10	1.05E+10	9.38E+09	-0.45	19.1	12.5
8.53E+08	3.82E+08	4.53E+08	3.27E+09	1.14E+10	9.19E+09	8.94E+09	21	18.6	9.37
9.67E+08	4.4E+08	5.02E+08	3.44E+09	1.13E+10	7.52E+09	1.1E+10	-14	15.7	7.48
1.2E+09	5.12E+08	4.85E+08	3.65E+09	1.1E+10	8.42E+09	1.04E+10	-30.9	20.7	8.53
-32000000	-5E+08	81500000	2.19E+09	2.81E+09	1.69E+10	29400000	0.03	94.5	12.9
-61900000	-86600000	89700000	2.43E+09	3.15E+09	1.82E+10	2.21E+10	0	-3.14	-1.14
1.39E+08	2.03E+08	72100000	2.25E+09	2.91E+09	1.47E+10	2.3E+10	0	-0.61	-1.96
1.71E+09	1.4E+09	85500000	5.13E+09	6.28E+09	2.27E+10	1.59E+10	43.4	1.22	4.79
2.06E+09	2.34E+09	81000000	5.93E+09	7.3E+09	4.24E+10	2.28E+10	1.46	8.48	27.3
1.57E+09	8.28E+08	5.53E+08	3.85E+09	2.56E+10	1.16E+10	850000	0.33	19.2	16.9
2.25E+09	1.07E+09	9.22E+08	4.54E+09	2.73E+10	9.01E+09	1.9E+10	-19.3	10.7	6.13
2.47E+09	1.37E+09	9.48E+08	4.72E+09	2.81E+10	6.55E+09	1.48E+10	-24.8	12.6	8.24
1.41E+09	6.29E+08	8E+08	3.61E+09	2.62E+10	7.65E+09	9.97E+09	-7.16	16.4	8.76
3.16E+09	1.61E+09	7.07E+08	5.37E+09	2.59E+10	1.05E+10	1.17E+10	11	8.2	5.36
1.32E+09	-1E+09	0	1.44E+09	2E+09	1.16E+10	8120000	0.78	-24.8	0.45
1.2E+09	5.63E+08	0	1.37E+09	2.06E+09	1.71E+10	2.39E+10	-15.1	-3.78	66.2
1.17E+09	-1.14E+09	0	1.28E+09	1.6E+09	1.23E+10	2.32E+10	-1.86	2.11	58.6
1.31E+09	6.1E+08	0	1.37E+09	1.7E+09	1.09E+10	2.26E+10	14.9	-4.41	73.2
1.28E+09	1.15E+08	0	1.33E+09	1.66E+09	9.2E+09	2.46E+10	-42	2.38	76.8
5.99E+08	4.53E+08	4.64E+08	9.59E+08	2.53E+09	4.09E+10	2890000	0.75	-28.9	19.9



8.54E+08	8.02E+08	1.09E+09	1.3E+09	3.61E+09	6.36E+10	2.12E+10	119.9	11.9	23.7
1.54E+09	1.28E+09	1.44E+09	2.12E+09	5.71E+09	3.11E+10	4.83E+10	6.72	14.4	23.7
1.68E+09	1.35E+09	7.78E+08	2.1E+09	5.45E+09	3.7E+10	5.37E+10	-38.9	20.8	27
1.99E+09	1.29E+09	5.49E+08	2.26E+09	5.19E+09	2.09E+10	3.38E+10	-3.64	15.7	30.7
2.71E+08	2.59E+08	9.23E+08	3.88E+08	8.6E+08	3.8E+10	1490000	0.42	-40.7	8.82
5.7E+08	5.33E+08	1.02E+09	7.6E+08	1.62E+09	6.46E+10	1.6E+10	212.6	10	31.6
7.35E+08	6.41E+08	8.51E+08	9.75E+08	2.21E+09	2.09E+10	5.39E+10	-9.97	13.1	35.2
6.95E+08	4.79E+08	5.71E+08	9.63E+08	2.4E+09	2.75E+10	4.88E+10	-35.3	13.2	33.2
8.01E+08	4.6E+08	5.38E+08	1.05E+09	2.56E+09	8.64E+09	3.18E+10	-50.5	8.9	28.9
1.69E+09	3.12E+09	4.63E+08	5.63E+09	3.77E+10	6.84E+10	1030000	0.98	121.2	13.3
3.47E+09	3.04E+09	1.13E+09	9.17E+09	5.17E+10	6.85E+10	2.78E+10	208	19.8	4.49
1.24E+09	3.59E+08	8.41E+08	6.9E+09	4.06E+10	2.76E+10	1.01E+11	-43.1	14.8	6.71
2.6E+09	2.46E+09	8.84E+08	8.11E+09	3.82E+10	4.57E+10	4.95E+10	-42.1	1.78	3.05
3.76E+09	3.24E+09	1E+09	1.05E+10	5.01E+10	8.34E+10	2.93E+10	42.6	11.3	6.81
8.27E+08	8.28E+08	4.13E+08	1E+09	2.4E+09	8.84E+09	1170000	1.26	-9.93	10.1
1.74E+09	1.48E+09	3.08E+08	2.02E+09	3.91E+09	1.14E+10	5.91E+09	109.8	26.3	34.4
8.07E+08	6.58E+08	2.56E+08	1.11E+09	3.3E+09	5.47E+09	1.21E+10	-9.93	36.9	44.7
8.99E+08	6.89E+08	3.71E+08	1.1E+09	3.43E+09	4.98E+09	1.07E+10	-25.4	15.4	24.4
7.29E+08	4.62E+08	6.45E+08	9.22E+08	3.06E+09	4.91E+09	8.11E+09	-39.8	15.8	26.2
8.72E+08	5.88E+08	4.19E+08	8.49E+08	1.59E+09	1.55E+10	480000	1.28	-31.1	4.09
9.88E+08	6.32E+08	5.9E+08	9.03E+08	2.06E+09	1.86E+10	6.83E+09	266.2	19.9	54.9
8.66E+08	4.9E+08	8.07E+08	7.9E+08	2.63E+09	9.13E+09	2.43E+10	-34.7	16.4	48
1E+09	5.42E+08	1.23E+09	9.12E+08	3.41E+09	5.52E+09	1.54E+10	-34.6	12.2	32.9
6.11E+08	1.38E+08	6.31E+08	4.76E+08	3E+09	4.5E+09	1.06E+10	-47.2	13	29.5
1.01E+09	6.61E+08	1.11E+09	8.94E+08	3.86E+09	2.42E+10	11100000	-0.17	-6.6	14.5
1.22E+09	7.49E+08	1.32E+09	1.04E+09	4.79E+09	2.43E+10	1.61E+10	0	9.89	26.2
1.51E+09	9.87E+08	1.02E+09	1.31E+09	5.13E+09	1.4E+10	2.17E+10	-4.25	9.59	25.4
1.83E+09	1.23E+09	9.21E+08	1.64E+09	5.42E+09	1.92E+10	2.17E+10	-2.22	12.9	29.4
2.03E+09	1.21E+09	7.14E+08	1.88E+09	6.07E+09	1.88E+10	2.09E+10	-23.4	15.3	33.7
1.56E+09	8.49E+08	4.95E+08	2.07E+09	2.27E+10	1.61E+10	2690000	0.88	-25.3	6.61
2.23E+09	1.31E+09	7.09E+08	2.91E+09	2.76E+10	2.18E+10	1.23E+10	73.2	22.8	6.87
1.73E+09	9.7E+08	4.58E+08	2.32E+09	2.61E+10	9.5E+09	1.93E+10	10	24.9	8.08
1.31E+09	7.08E+08	4.04E+08	1.94E+09	2.53E+10	5.77E+09	2.13E+10	-34	15.7	6.63
1E+09	4.4E+08	2.88E+08	1.46E+09	2.3E+10	3.67E+09	1.47E+10	-53.5	11.1	5.16
3.05E+09	9.97E+08	2.13E+09	3.12E+09	2.63E+10	2.47E+10	710000	1.39	11.2	24.9
5.12E+09	2.47E+09	3.17E+09	5.46E+09	3.54E+10	4.16E+10	2.2E+10	126.3	12.8	11.6
5.76E+09	2.91E+09	3.59E+09	6.17E+09	3.92E+10	2.87E+10	4.64E+10	5.69	23.4	14.4
5.84E+09	2.98E+09	4.29E+09	6.53E+09	4.14E+10	4.39E+10	5.13E+10	14	22.8	14.7
7.62E+09	4.39E+09	3.4E+09	8.43E+09	4.16E+10	6.22E+10	5.56E+10	20.2	20.2	14.1
2.43E+08	1.03E+08	0	1.21E+09	5.4E+09	5E+09	0	0.64	-13.3	0
4.15E+08	94700000	0	1.82E+09	7.8E+09	2.09E+10	4.43E+09	130.7	4.63	4.49
7.96E+08	2.48E+08	0	3.43E+09	1.58E+10	4.6E+10	8.99E+09	248.1	3.85	5.33
1.33E+09	4.22E+08	0	5.26E+09	1.07E+10	3.15E+10	2.97E+10	125.7	6.63	5.05

1.51E+09	4.33E+08	0	5.58E+09	1.17E+10	4.07E+10	5.82E+10	-26.2	0	12.5
9.86E+08	5.53E+08	0	1.1E+09	1.62E+09	9.81E+09	2930000	0.42	17.5	18.4
1.25E+09	6.7E+08	0	1.4E+09	2.11E+09	1.89E+10	1.4E+10	28.1	15.3	60.7
1.41E+09	6.16E+08	0	1.48E+09	2.18E+09	2.15E+10	1.75E+10	44.9	17.2	59.5
1.77E+09	8.69E+08	0	1.99E+09	3.08E+09	2.04E+10	2.45E+10	12	13.9	64.8
2.02E+09	1.18E+09	0	2.25E+09	3.38E+09	3.59E+10	2.63E+10	25.2	16.3	57.6
1.25E+08	27600000	0	4.27E+08	1.45E+09	3.95E+09	5840000	0.18	26.9	18.2
2.66E+08	1.52E+08	0	6.56E+08	1.88E+09	8.17E+09	3.21E+09	69.2	5.47	8.62
2.3E+08	92400000	0	6.68E+08	1.92E+09	7.98E+09	5.2E+09	107.6	26.9	14.2
2.48E+08	94800000	0	7.59E+08	2.21E+09	8.36E+09	1.01E+10	-10.7	13.5	12
3.15E+08	1.53E+08	0	8.58E+08	2.47E+09	1.19E+10	8.14E+09	27.4	12.5	11.2
5.85E+08	3.77E+08	0	1.18E+09	2.68E+09	2.84E+10	2320000	0.34	-32.8	23.9
5.92E+08	4.07E+08	0	1.38E+09	3.71E+09	3.97E+10	2.41E+10	54.2	25.7	21.8
6.7E+08	4.5E+08	0	1.49E+09	4.04E+09	3.56E+10	3.63E+10	21.9	25.3	16
9.05E+08	6.53E+08	0	1.81E+09	4.26E+09	3.42E+10	4.33E+10	-8.72	27.8	16.6
6.72E+08	4.95E+08	0	1.67E+09	4E+09	3.42E+10	3.58E+10	10.2	34.9	21.2
0	4.1E+08	0	2.65E+09	2.65E+09	2.02E+10	5750000	0.45	-3.01	17.2
0	1.7E+09	0	5.1E+09	5.1E+09	3.04E+10	0	-17.1	3.23	0
0	2.49E+09	0	6.15E+09	6.15E+09	3.37E+10	0	8.78	11.9	0
0	1.61E+09	0	7.48E+09	7.48E+09	3.66E+10	0	37.6	16.6	0
0	3.29E+09	0	7.86E+09	7.86E+09	4.31E+10	0	18.1	9.49	0
8.24E+08	6.38E+08	0	1.23E+09	3.74E+09	1.12E+10	11600000	0.74	31.3	25
8.93E+08	8.31E+08	0	1.35E+09	4.69E+09	1.43E+10	1.23E+10	9.33	19.7	22.1
8.94E+08	7.11E+08	0	1.32E+09	4.43E+09	1.26E+10	1.24E+10	-6.66	24.4	19.1
1.11E+09	8.89E+08	0	1.57E+09	5.2E+09	1.81E+10	1.17E+10	11.3	22.2	20.2
1.35E+09	8.8E+08	0	1.89E+09	5.98E+09	3.3E+10	1.17E+10	88	26.7	21.3
0	5.51E+08	0	2.2E+09	2.37E+09	2.66E+10	1460000	0.5	-6.52	0
0	7.99E+08	0	1.79E+09	2.03E+09	5.94E+10	0	25.1	14.3	0
0	1.3E+09	0	2.67E+09	2.91E+09	5.13E+10	0	32.1	16.3	0
0	1.66E+09	0	3.39E+09	3.62E+09	5.45E+10	0	-5.76	24.7	0
0	1.87E+09	0	3.9E+09	4.18E+09	5.11E+10	0	11.4	0	0
3.04E+09	5.05E+08	0	4.04E+09	8E+09	1.19E+10	4560000	0.62	-6.46	16.5
3.43E+09	5.62E+08	0	4.65E+09	8.57E+09	3.78E+10	3.67E+10	-5.03	13	38.1
3.29E+09	7.24E+08	0	4.79E+09	9.17E+09	3.2E+10	3.56E+10	85	12.9	40
4.49E+09	9.37E+08	0	6.3E+09	1.21E+10	2.99E+10	5.27E+10	-5.65	17.3	35.9
5.47E+09	1E+09	0	7.46E+09	1.49E+10	3.32E+10	4.98E+10	8.91	19.1	37.1
3.75E+08	2.43E+08	0	8.05E+08	1.78E+09	2.84E+09	260000	0.36	58.5	30.7
5.14E+08	3.51E+08	0	8.84E+08	2.14E+09	6.72E+09	3.42E+09	19.8	18.3	21.1
4.59E+08	3.33E+08	0	8.72E+08	2.13E+09	9.35E+09	4.22E+09	66.1	24.2	24
5.53E+08	4.29E+08	0	9.99E+08	2.18E+09	1.16E+10	6.87E+09	42.7	22.6	21.6
7.45E+08	5.83E+08	0	1.29E+09	2.71E+09	2.51E+10	8.83E+09	84.4	25.7	25.3
6.02E+09	-2.89E+09	3.07E+09	7.35E+09	1.36E+10	3.17E+10	1780000	0.11	56.7	21.2
7.2E+09	4.04E+08	3.64E+09	8.74E+09	1.49E+10	5.38E+10	4.87E+10	12.4	-35.9	44.3

7.49E+09	8.88E+08	3.06E+09	1E+10	1.63E+10	5.72E+10	6.06E+10	32.7	7.32	48.4
8.35E+09	1.01E+09	4.32E+09	1.13E+10	1.78E+10	6.5E+10	7.7E+10	17.9	12.3	46
9.01E+09	2.88E+09	4.36E+09	1.22E+10	1.9E+10	1.16E+11	8.43E+10	28	10.4	46.9
5.39E+08	3.06E+08	0	1.58E+09	2.59E+09	8.16E+09	3970000	0.08	22.2	18.6
5.97E+08	3.45E+08	0	1.71E+09	2.83E+09	9.74E+09	5.61E+09	72.3	13.3	20.8
5.35E+08	3.19E+08	0	1.65E+09	2.68E+09	1.13E+10	9.09E+09	14.2	14	21.1
7.36E+08	4.46E+08	0	1.93E+09	3.02E+09	1.16E+10	9.96E+09	14	12.8	19.9
7.85E+08	5.83E+08	0	2.07E+09	3.12E+09	1.36E+10	1.02E+10	15.8	15.8	24.4
2.65E+09	1.75E+09	0	9.76E+09	1.19E+10	9.44E+09	1380000	0.02	0.62	40.9
2.94E+09	2.05E+09	0	1.01E+10	1.32E+10	1.35E+10	1.34E+10	-36.1	35.4	22.2
4.73E+09	3.54E+09	0	1.22E+10	1.53E+10	1.83E+10	9.36E+09	7.91	39	22.3
4.43E+09	3.53E+09	0	1.41E+10	1.7E+10	2.33E+10	8.79E+09	54.1	59.8	31
5.25E+09	4.01E+09	0	1.3E+10	1.54E+10	3.29E+10	1.2E+10	67.1	46	26
6.05E+08	2.91E+08	1.15E+08	1.38E+09	2.56E+09	1.09E+10	3990000	0.33	19.3	18.5
6.12E+08	3.53E+08	1.85E+08	1.48E+09	2.78E+09	1.03E+10	6.73E+09	80.8	13.4	23.7
7.37E+08	4.39E+08	1.51E+08	1.6E+09	2.87E+09	9E+09	1.19E+10	-6.38	14.6	22
9.25E+08	6.27E+08	1.65E+08	1.9E+09	3.26E+09	1.07E+10	1.1E+10	-13.6	17.7	25.7
1E+09	6.27E+08	2.93E+08	2.16E+09	3.64E+09	1.24E+10	8.37E+09	36.8	21.4	28.4
2.03E+08	1.54E+08	0	4.42E+08	1.09E+09	7.64E+09	7650000	0.2	19.4	25.5
2.54E+08	2.14E+08	0	5.27E+08	1.33E+09	9.06E+09	8.01E+09	14.6	11.3	18.6
3.7E+08	3.16E+08	0	6.89E+08	1.66E+09	1.24E+10	8.63E+09	1.93	14.6	19
4.71E+08	4.61E+08	0	8.42E+08	1.92E+09	1.1E+10	8.97E+09	24.5	21.1	22.3
6E+08	5.19E+08	0	1.03E+09	2.18E+09	1.59E+10	1.04E+10	28.4	26.3	24.6
0	0	0	0	0	0	270000	0.32	123.3	3.23
-2.1E+08	-1.32E+08	6410000	2.47E+08	4.93E+08	1.33E+10	0	0	0	0
-1.77E+08	-1.38E+08	10900000	4.29E+08	7.53E+08	6.33E+09	0	0	0	-42.6
-67400000	-1480000	0	7.93E+08	1.27E+09	1.09E+10	1.3E+10	-56.8	0	-23.5
31600000	77500000	0	1.26E+09	2.1E+09	2.55E+10	5.19E+09	108.6	-0.06	-5.29
2.34E+09	5.65E+08	0	6.15E+09	1.01E+10	6.85E+09	11100000	0.26	14.8	5.74
2.78E+09	8.71E+08	0	7.15E+09	1.23E+10	1.51E+10	2.1E+10	25	0	23.1
2.45E+09	9.95E+08	0	7.59E+09	1.37E+10	1.34E+10	1.98E+10	73.8	9.43	22.7
3E+09	6.76E+08	0	8.79E+09	1.52E+10	1.48E+10	2.69E+10	6.24	10.9	17.9
3.1E+09	4.52E+08	0	9.5E+09	1.64E+10	2.16E+10	2.75E+10	23.9	7.69	19.7
2.66E+09	1.78E+09	2.6E+08	4.09E+09	1E+10	3.06E+10	2970000	0.22	29.2	24.9
2.69E+09	1.49E+09	2.38E+08	4.4E+09	1.12E+10	4.14E+10	2.21E+10	65.4	23.4	26.5
2.6E+09	1.83E+09	2.18E+08	4.5E+09	1.23E+10	3.39E+10	3.47E+10	38.8	17.9	24.1
2.74E+09	1.9E+09	1.31E+08	4.74E+09	1.31E+10	4.11E+10	4.69E+10	-21.2	22.7	21.1
2.8E+09	2.03E+09	1.35E+08	4.82E+09	1.38E+10	5.92E+10	3.29E+10	41.1	23.9	21
0	4.2E+09	0	1.03E+10	1.03E+10	8.74E+10	3430000	0.58	4.4	14.9
0	4.84E+09	0	1.18E+10	1.18E+10	1.17E+11	0	12.3	16.6	0
0	5.3E+09	0	1.29E+10	1.29E+10	9.88E+10	0	3.81	16.5	0
0	7.09E+09	0	2.32E+10	2.32E+10	1.35E+11	0	10.1	17.6	0
0	8.13E+09	0	3.16E+10	3.16E+10	1.58E+11	0	4.98	16.8	0

2.01E+08	1.86E+08	0	8.34E+08	7.17E+09	1.6E+10	810000	0.62	-4.88	11.7
2.01E+08	1.57E+08	0	9.94E+08	9.35E+09	1.84E+10	1.75E+10	8.86	18.2	2.81
1.96E+08	1.83E+08	0	1.16E+09	8.11E+09	1.38E+10	1.88E+10	-4.25	13.4	2.15
1.38E+08	1.83E+08	0	1.16E+09	1.14E+10	1.57E+10	1.77E+10	-12.8	11.2	2.42
1.55E+08	2.04E+08	0	9.54E+08	1.18E+10	1.86E+10	1.48E+10	14.2	9.53	1.21
2.02E+09	3.05E+08	0	5.92E+09	1.65E+10	5.09E+09	5600000	0.99	-1.3	12.9
3.71E+09	1.58E+09	0	8.32E+09	2.41E+10	1.36E+10	1.26E+10	12.2	6.71	12.2
2.96E+09	1.39E+09	0	8.09E+09	2.7E+10	1.09E+10	1.54E+10	99.5	18.8	15.4
2.76E+09	1.13E+09	0	7.9E+09	2.59E+10	1.22E+10	2.11E+10	-0.46	14.2	11
3.5E+09	1.62E+09	0	8.81E+09	2.68E+10	1.82E+10	1.89E+10	29.9	9.87	10.6
1.5E+09	1E+09	0	3.17E+09	6E+09	6.53E+10	2600000	0.33	-12.4	21.2
1.69E+09	1.18E+09	0	3.53E+09	6.86E+09	7.5E+10	5.77E+10	23.7	26.7	24.9
1.62E+09	1.19E+09	0	3.38E+09	7.15E+09	7.2E+10	7.6E+10	-1.15	18.5	24.7
1.71E+09	1.24E+09	0	3.78E+09	7.44E+09	6.99E+10	7.37E+10	8.51	20.2	22.7
1.66E+09	1.26E+09	0	3.77E+09	7.32E+09	7.14E+10	7.19E+10	4.02	20.6	23
0	2.02E+09	0	1.29E+10	1.29E+10	3.63E+10	4000000	0.41	28.2	18.7
0	2.99E+09	0	1.36E+10	1.36E+10	7.42E+10	0	-0.32	11.7	0
0	3.85E+09	0	1.37E+10	1.37E+10	7.69E+10	0	40.3	13.9	0
0	5.1E+09	0	1.66E+10	1.66E+10	7.78E+10	0	20.4	17	0
0	5.75E+09	0	2.05E+10	2.05E+10	1.1E+11	0	11.9	19.1	0
2.29E+09	1.82E+09	0	3.83E+09	6.4E+09	2.73E+10	680000	0.02	3.33	28.1
2.67E+09	1.99E+09	0	4.38E+09	7.85E+09	3.67E+10	3.87E+10	-12.2	22.8	35.8
2.95E+09	2.2E+09	0	4.8E+09	8.44E+09	5.21E+10	3.35E+10	1.96	24.9	34
3.15E+09	2.46E+09	0	5.08E+09	8.48E+09	6.45E+10	3.39E+10	52.1	29	35
3.1E+09	2.35E+09	0	5.21E+09	8.94E+09	7.31E+10	4.79E+10	39.4	30.6	37.1
3.43E+09	2.51E+09	3.22E+08	4.41E+09	1.31E+10	6.03E+10	2350000	0.34	21.2	33
4.19E+09	2.91E+09	2.6E+08	5.13E+09	1.56E+10	9.45E+10	4.16E+10	70.4	27.3	26.1
4.16E+09	2.99E+09	3.08E+08	5.33E+09	1.79E+10	7.71E+10	7.03E+10	49.8	30.3	26.8
4.25E+09	2.95E+09	2.95E+08	5.51E+09	1.86E+10	6.84E+10	1.05E+11	-20.1	32.5	23.2
4.35E+09	3.3E+09	2.45E+08	5.67E+09	1.91E+10	8.88E+10	7.36E+10	2.3	31.6	22.9
-6.19E+08	-7.57E+08	0	2.29E+08	2.29E+09	6.76E+09	450000	0.84	52.9	1394.4
-4.45E+08	-7.55E+08	0	5.18E+08	3.24E+09	1.12E+10	7.35E+09	29.3	-136.9	-27
3.43E+08	-3.51E+08	0	1.38E+09	5.84E+09	8.25E+09	1E+10	17.7	0	-13.7
1.15E+09	8.65E+08	0	2.48E+09	7.84E+09	1.16E+10	1.25E+10	-0.49	0	5.88
1.2E+09	7.11E+08	0	2.86E+09	8.94E+09	1.86E+10	1.19E+10	47.8	0	14.7
2.01E+09	5.4E+08	0	4.73E+09	9.66E+09	9.95E+09	3690000	0.64	2.72	4.22
5.02E+09	2.9E+09	0	8.55E+09	1.7E+10</					

0	0	0	0	0	1.67E+10	0	0	0	0
0	1.88E+08	0	2.28E+08	2.28E+08	2.42E+10	0	0	0	0
0	1.27E+09	0	4.87E+09	4.87E+09	4.11E+10	5730000	0.35	-6.45	16.8
0	1.45E+09	0	5.96E+09	5.96E+09	5.38E+10	0	19.2	13.1	0
0	1.72E+09	0	6.24E+09	6.24E+09	4.54E+10	0	-9.93	12.8	0
0	2.1E+09	0	7.77E+09	7.77E+09	4.1E+10	0	1.73	14.7	0
0	2.63E+09	0	8.55E+09	8.55E+09	4.1E+10	0	4.42	15.5	0
2.3E+09	1.57E+09	0	6.88E+09	1.85E+10	1.75E+10	7860000	0.46	2.33	16.5
2.6E+09	1.12E+09	0	7.7E+09	2.07E+10	3.31E+10	4.37E+10	-1.71	10.1	12.4
2.7E+09	1.22E+09	0	8.06E+09	2.18E+10	3.37E+10	4.03E+10	46.2	11.7	12.5
3.21E+09	1.52E+09	0	9.6E+09	2.6E+10	4.83E+10	4.84E+10	10	13.1	12.4
3.35E+09	1.63E+09	0	1.06E+10	2.95E+10	5.57E+10	4.71E+10	69	15.9	12.4
1.5E+09	81100000	0	5.54E+09	1.23E+10	8.83E+09	5140000	0.51	76.5	17.9
1.72E+09	7.26E+08	0	5.14E+09	1.16E+10	1.31E+10	1.93E+10	34.3	-3.16	12.2
2.17E+09	1.19E+09	0	5.46E+09	1.4E+10	1.77E+10	2.15E+10	14.3	12.4	14.8
2.89E+09	1.34E+09	0	6.58E+09	1.66E+10	2E+10	2.18E+10	49.2	19.5	15.5
3.28E+09	1.45E+09	0	7.25E+09	1.79E+10	3.59E+10	2.53E+10	38.4	18.5	17.4
7.81E+08	6.12E+08	0	2.49E+09	8.84E+09	2.82E+10	28500000	0.21	5.59	18.8
6.8E+08	4.36E+08	0	2.82E+09	1.15E+10	3.01E+10	3.09E+10	4.62	9.35	8.84
1.21E+09	8.96E+08	0	3.53E+09	1.36E+10	3.48E+10	3.15E+10	-3.44	6.41	5.92
1.78E+09	1.46E+09	0	4.48E+09	1.62E+10	3.77E+10	2.95E+10	13	0	8.92
2.42E+09	1.7E+09	0	5.1E+09	1.76E+10	4.21E+10	2.98E+10	22.7	0	11
45900000	16100000	0	1.94E+08	3.8E+08	1.29E+09	1130000	0.21	63.9	12.1
1.25E+08	74000000	0	2.78E+08	5.1E+08	4.28E+09	0	0	0	12.1
1.36E+08	1.18E+08	0	3.11E+08	5.17E+08	5.07E+09	1.95E+09	210.8	10.8	24.5
1.73E+08	1.27E+08	0	3.79E+08	6.24E+08	6.73E+09	5.78E+09	-0.76	15.2	26.3
1.91E+08	1.18E+08	0	4.77E+08	7.64E+08	1.15E+10	5.14E+09	56.1	14.3	27.7
4.85E+09	1.59E+09	0	7.06E+09	1.53E+10	1.16E+10	1870000	0.26	7.62	13.6
4.97E+09	2.15E+09	0	7.11E+09	1.69E+10	1.72E+10	3.85E+10	-18.3	9.97	31.7
5.63E+09	2.08E+09	0	8.26E+09	2.04E+10	2.05E+10	3.76E+10	25.6	12.7	29.5
5.98E+09	2.34E+09	0	8.59E+09	2.1E+10	2.73E+10	4.33E+10	33.8	12.5	27.6
6.17E+09	2.57E+09	0	9.21E+09	2.17E+10	4.71E+10	4.63E+10	86.9	13	28.4
4.14E+08	2.85E+08	65500000	1.03E+09	1.83E+09	2.22E+10	190000	0.23	-20.7	0
4.45E+08	2.84E+08	98600000	1.11E+09	1.97E+09	2.44E+10	1.94E+10	24.4	105.8	22.7
4.36E+08	2.89E+08	66400000	1.09E+09	2.04E+09	2.38E+10	2.4E+10	6.8	106.8	22.6
5.42E+08	3.6E+08	1.65E+08	1.28E+09	2.3E+09	2.8E+10	2.52E+10	-0.51	108.5	21.4
5.16E+08	3.82E+08	0	1.3E+09	2.33E+09	2.61E+10	2.27E+10	35.6	108	23.6
5.5E+09	1.24E+08	0	9.33E+09	4.42E+10	1.09E+10	2970000	0.34	16.5	11.8
8.79E+09	5.96E+09	0	1.18E+10	5.82E+10	2.5E+10	3.56E+10	-27	1.72	12.5
1.04E+10	5.11E+09	0	1.55E+10	7.69E+10	2.04E+10	2.95E+10	52.8	19.3	15.1
1.16E+10	5.04E+09	0	1.46E+10	7.06E+10	2.85E+10	4.18E+10	3.05	13.8	13.6
9.85E+09	4.56E+09	0	1.35E+10	7.04E+10	3.91E+10	3.9E+10	39.7	15.9	16.5
4.88E+09	1.62E+09	0	5.27E+09	5.38E+09	1.2E+10	1170000	0.24	29.6	17.4

4.97E+09	2.17E+09	0	5.46E+09	5.56E+09	1.72E+10	3.21E+10	-2.89	18.2	90.7
4.65E+09	1.84E+09	0	5.22E+09	5.32E+09	1.92E+10	3.17E+10	43.8	22.3	89.3
5.04E+09	1.89E+09	0	5.44E+09	5.54E+09	2.24E+10	3.65E+10	4.55	19.1	87.5
4.58E+09	1.82E+09	0	5.21E+09	5.32E+09	3.52E+10	3.37E+10	48	18.6	90.9
1E+10	5.79E+09	0	2.3E+10	6.2E+10	1.75E+11	7300000	0.22	-6.15	8.73
1.33E+10	7.75E+09	0	2.8E+10	8.62E+10	2.15E+11	1.49E+11	31.5	8.3	16.2
1.52E+10	7.69E+09	0	3.34E+10	1.06E+11	1.95E+11	1.93E+11	19.2	8.11	15.5
1.81E+10	8.41E+09	0	3.7E+10	1.05E+11	1.88E+11	2.22E+11	7.56	8.1	14.4
1.88E+10	8.09E+09	0	3.82E+10	1.1E+11	2.03E+11	2.33E+11	1.48	8.88	17.1
2.42E+08	1.99E+08	0	6.52E+08	9.19E+09	1.03E+10	1760000	0.37	-2.91	15.5
2.03E+08	1.83E+08	0	6.74E+08	1.11E+10	1.53E+10	1.34E+10	-7.39	15.6	2.63
2.23E+08	1.95E+08	0	7.12E+08	9.65E+09	1.52E+10	1.2E+10	33.6	12.8	1.83
2.53E+08	2.23E+08	0	8.49E+08	1.41E+10	1.59E+10	1.57E+10	2.95	13.6	2.31
3.18E+08	2.82E+08	0	9.52E+08	1.52E+10	1.93E+10	1.45E+10	16.3	13.8	1.8
0	2.69E+08	0	7.16E+08	7.33E+08	2.35E+09	3140000	0.81	41	18.9
0	3.2E+08	0	1.09E+09	1.11E+09	5.15E+09	0	-8.4	10.5	0
0	7.03E+08	0	1.37E+09	1.41E+09	4.19E+09	0	13.6	10.6	0
0	7.98E+08	0	1.77E+09	1.83E+09	8.53E+09	0	13.1	22.1	0
0	1.1E+09	0	2.04E+09	2.12E+09	1.43E+10	0	49.1	17.9	0
0	3.18E+09	0	2.22E+10	2.22E+10	2.27E+10	4790000	0.47	23.9	18.5
0	4.29E+09	0	2.83E+10	2.83E+10	5.98E+10	0	-17.8	9.3	0
0	5.69E+09	0	2.81E+10	2.81E+10	6.19E+10	0	64.8	11.2	0
0	7.66E+09	0	3.78E+10	3.78E+10	6.06E+10	0	33.3	14.5	0
0	9.27E+09	0	3.98E+10	3.98E+10	8.73E+10	0	4.62	17.1	0
1.08E+09	3.3E+08	0	3.28E+09	4.54E+09	1.5E+10	3150000	0.28	49.7	17.3
1.34E+09	8.65E+08	0	3.64E+09	5.06E+09	2.54E+10	1.47E+10	36.4	4.04	23.9
1.31E+09	5.09E+08	0	3.74E+09	5.12E+09	2.88E+10	1.94E+10	41.8	12.8	26.4
1.54E+09	1.07E+09	0	4.36E+09	5.7E+09	3.21E+10	2.64E+10	18.4	7.91	25.5
1.71E+09	1.34E+09	0	4.71E+09	6.03E+09	5.28E+10	2.83E+10	25.8	14.9	27
5.92E+09	4.28E+09	3.42E+08	9.41E+09	2.2E+10	1.34E+11	3090000	0.31	7.44	48.7
6.77E+09	5.05E+09	3.59E+08	1.08E+10	2.48E+10	1.68E+11	1.09E+11	32.1	38.2	27
6.88E+09	4.92E+09	3.34E+08	1.06E+10	2.62E+10	1.41E+11	1.45E+11	27.7	40.8	27.3
7.21E+09	5.39E+09	2.27E+08	1.24E+10	2.87E+10	1.48E+11	1.8E+11	-12.9	38.6	26.2
7.69E+09	5.7E+09	3.51E+08	1.14E+10	2.95E+10	1.76E+11	1.39E+11	16.5	45.5	25.1
2.07E+08	99500000	0	6.2E+08	1.5E+09	6.09E+09	2210000	0.39	-15.3	6.13
2.01E+08	1.04E+08	0	6.75E+08	1.65E+09	9.95E+09	3E+09	82.2	0	13.8
2.03E+08	1.39E+08	0	6.75E+08	1.61E+09	8.59E+09	7.59E+09	23.6	5.5	12.2
2.46E+08	1.44E+08	0	7.48E+08	1.79E+09	9.97E+09	9.13E+09	3.16	7.99	12.6
2.61E+08	1.34E+08	0	8.52E+08	1.98E+09	1.2E+10	8.65E+09	41.7	7.81	13.7
1.1E+09	-2.16E+09	0	1.32E+10	3.07E+10	5.88E+09	2110000	1.01	-6.38	37.4
2.34E+09	-2.42E+09	0	1.58E+10	3.88E+10	2.31E+10	1.72E+10	-0.33	-29.9	3.58
2.16E+09	-4.87E+08	0	1.53E+10	3.85E+10	1.8E+10	1.9E+10	158.7	-36.3	6.03
5.41E+09	2.33E+09	0	2.19E+10	5.09E+10	2.76E+10	3.63E+10	-19.6	-9.82	5.61

5.81E+09	3.71E+09	0	2.37E+10	5.18E+10	3.68E+10	2.9E+10	101	43.1	10.6
2.79E+09	-87000000	0	1.09E+10	1.85E+10	6.27E+09	990000	1.03	-1.29	2.79
8.04E+09	4.97E+09	0	1.98E+10	3.01E+10	2.11E+10	2.16E+10	37.6	-0.31	15.1
4.87E+09	2.03E+09	0	1.58E+10	3.02E+10	1.51E+10	2.33E+10	72.8	47.7	26.7
2.42E+09	-4E+08	0	1.47E+10	2.8E+10	1.75E+10	2.81E+10	1.35	15.8	16.1
2.85E+09	3.19E+08	0	1.33E+10	2.58E+10	2.21E+10	2.56E+10	23.9	-3.88	8.63
7.5E+08	5.68E+08	0	1.74E+09	5.15E+09	9.52E+09	3680000	0.3	31.5	14
1E+09	6.9E+08	0	2.02E+09	5.67E+09	1.73E+10	8.75E+09	27.7	17.3	14.6
8.71E+08	6.31E+08	0	2.01E+09	6.25E+09	1.12E+10	1.06E+10	83.1	20.7	17.7
6.57E+08	3.38E+08	0	1.95E+09	6.35E+09	1.19E+10	1.99E+10	-43.2	20	14
6.92E+08	4.38E+08	0	1.87E+09	6.13E+09	1.77E+10	1.03E+10	25.2	10.6	10.4
1.79E+08	1.03E+08	0	6.81E+08	2.58E+09	1.39E+10	2020000	0.25	-11.5	29.2
4.28E+08	2.99E+08	0	9.15E+08	3.82E+09	2.82E+10	1.5E+10	35.7	12	6.94
5.28E+08	3.66E+08	0	1.16E+09	4.59E+09	2.95E+10	1.93E+10	61.8	31.7	11.2
5.77E+08	4.15E+08	0	1.36E+09	5.88E+09	3.32E+10	3.06E+10	2.98	34	11.5
5.8E+08	3.78E+08	0	1.44E+09	6.78E+09	3.49E+10	2.86E+10	41.5	30.5	9.81
-7650000	-22300000	0	1.24E+08	3.47E+08	3.14E+09	1200000	0.11	137.3	50.2
45300000	18100000	0	2.37E+08	5.47E+08	4.75E+09	2.56E+09	29.8	-8.66	-2.21
82500000	47200000	0	3.84E+08	8.93E+08	6.29E+09	3.51E+09	57.9	3.25	8.28
1.52E+08	1.01E+08	0	5.61E+08	1.35E+09	9.05E+09	5.47E+09	26.9	13.8	9.24
2.36E+08	2.26E+08	0	8.13E+08	1.89E+09	3.07E+10	6.31E+09	126.1	29.8	11.2
1.42E+09	9.57E+08	0	3.6E+09	5.6E+09	1.77E+10	25000000	0.4	9.2	10.5
1.6E+09	8.72E+08	0	4.28E+09	6.88E+09	2.94E+10	1.96E+10	30.1	17.3	25.3
1.23E+09	7.27E+08	0	4.1E+09	7.29E+09	2.26E+10	2.28E+10	43.5	14.9	23.3
1.43E+09	7.7E+08	0	4.7E+09	8.31E+09	2.91E+10	3.06E+10	-8.33	12	16.9
1.37E+09	7.3E+08	0	4.78E+09	8.33E+09	3.84E+10	2.55E+10	50.9	11.9	17.2
1.77E+09	1.39E+09	2.66E+08	2.55E+09	8.41E+09	2.6E+10	850000	0.58	26.5	15.7
2.12E+09	1.62E+09	2.96E+08	3.05E+09	1E+10	4.71E+10	1.68E+10	55.9	19.1	21.1
1.9E+09	1.37E+09	1.93E+08	3.03E+09	1.07E+10	2.55E+10	2.59E+10	84.3	20.5	21.2
2E+09	1.36E+09	1.11E+08	3.25E+09	1.09E+10	2.39E+10	5.01E+10	-45.1	16.1	17.8
1.96E+09	1.45E+09	1.42E+08	3.14E+09	1.04E+10	3.51E+10	2.42E+10	20	15.3	18.3
2.11E+09	3.17E+08	1.86E+09	3.48E+09	1.37E+10	6.88E+09	41800000	0.19	-11.7	-4.69
3.22E+09	1.08E+09	1.83E+09	4.46E+09	1.47E+10	1.1E+10	1.49E+10	-8.4	3.26	15.4
2.8E+09	-23900000	1.7E+09	4.01E+09	1.54E+10	6.9E+09	1.59E+10	52.5	11.7	21.8
2.17E+09	4.67E+08	1.51E+09	3.41E+09	1.43E+10	7.18E+09	1.6E+10	-19.9	1.47	18.1
1.91E+09	-6E+08	1.54E+09	3.17E+09	1.32E+10	6.49E+09	1.21E+10	19.1	5.09	15.2
-2.29E+09	-3.57E+09	1.74E+09	-2E+09	8.91E+09	7.26E+09	13800000	0.39	-6.36	13.2
-4.93E+08	-1.72E+09	1.04E+09	-5.35E+08	8.16E+09	1.09E+10	1.6E+10	-37.5	-33.4	-25.7
1.54E+09	1.65E+08	0	1.59E+09	1.17E+10	9.12E+09	1.86E+10	5.6	-21.2	-6.04
2.61E+09	1.25E+09	0	3.06E+09	1.41E+10	9.14E+09	1.7E+10	16.4	2.8	13.2
2E+09	9.04E+08	1.32E+09	2.48E+09	1.41E+10	9.18E+09	1.49E+10	9.29	18.8	18.5
6.38E+08	4.97E+08	1.17E+08	1.52E+09	2.81E+09	1.13E+10	3630000	0.75	91.7	30.3
1.02E+09	8.18E+08	1.34E+08	1.89E+09	3.39E+09	1.6E+10	1.01E+10	25.5	22.4	22.7

1.38E+09	9.57E+08	1.64E+08	2.33E+09	4.02E+09	9.75E+09	1.36E+10	41	36.2	30.1
8.73E+08	5.52E+08	1.44E+08	1.81E+09	3.53E+09	1.98E+10	1.73E+10	-22.2	41.2	34.3
1.35E+09	8.67E+08	1.11E+08	2.39E+09	4.35E+09	4.15E+10	1.13E+10	126.3	21.2	24.7
5E+09	-2.82E+08	0	2.92E+10	8.25E+10	2.15E+10	2590000	0.45	17.3	3.1
4.28E+09	-1.53E+08	0	2.71E+10	7.64E+10	1.94E+10	3.46E+10	50.1	0.45	6.06
3.78E+09	84500000	0	2.35E+10	6.45E+10	1.59E+10	4.62E+10	-20	1.9	5.61
3.99E+09	2.94E+08	0	2.36E+10	6.37E+10	1.77E+10	3.71E+10	2.73	4.01	5.86
0	70900000	0	2.32E+10	6.64E+10	2.12E+10	3.49E+10	13.2	4.8	6.26
1.97E+09	5.65E+08	8.11E+08	3.92E+09	1.03E+10	1.1E+10	5070000	0.1	18.6	12.4
0	6.8E+08	0	3.71E+09	9.82E+09	1.62E+10	1.16E+10	28.8	0	0
1.42E+09	5.35E+08	0	3.5E+09	1E+10	1.47E+10	1.5E+10	49.6	0	0
1.46E+09	6.76E+08	4.76E+08	3.49E+09	9.93E+09	1.88E+10	1.84E+10	15.3	9.91	14.2
1.54E+09	5.85E+08	5.06E+08	3.49E+09	9.68E+09	1.95E+10	1.82E+10	35	12.4	14.7
5.01E+08	-1.11E+08	0	1.04E+09	6.89E+09	2.92E+09	12000000	0.15	31.3	0.22
5.98E+08	1.14E+08	0	1.17E+09	6.75E+09	2.02E+09	4.95E+09	-45.5	-2.71	7.26
6.84E+08	2.22E+08	0	1.29E+09	6.9E+09	1.54E+09	2.87E+09	-20.1	4.1	8.85
4.78E+08	-2.13E+08	0	1.15E+09	6.87E+09	1.64E+09	2.2E+09	10.3	7.73	9.91
4.03E+08	3010000	0	1.06E+09	6.17E+09	2.13E+09	2.03E+09	2.63	-7.55	6.96
4.41E+08	1.86E+08	1.69E+08	1.01E+09	2.55E+09	3.01E+09	10100000	0	4.56	6.34
3.72E+08	2.17E+08	1.2E+08	1.08E+09	2.57E+09	3.42E+09	3.79E+09	-9.36	4.39	17.3
5.03E+08	2.4E+08	1.34E+08	1.17E+09	2.69E+09	2.42E+09	3.53E+09	0.53	5.58	14.5
5.24E+08	2.71E+08	1.1E+08	1.22E+09	2.78E+09	3.33E+09	2.7E+09	-9.22	6.63	18.7
4.24E+08	2.1E+08	43700000	1.08E+09	2.5E+09	3.28E+09	2.12E+09	42.2	7.57	18.8
0	1.98E+08	0	1.04E+09	1.04E+09	1.91E+09	22400000	0.17	-18.9	-4.6
0	3.09E+08	0	1.06E+09	1.06E+09	2.67E+09	0	-34.2	3.7	0
0	1.68E+08	0	8.56E+08	8.56E+08	2E+09	0	32.3	6.66	0
0	-1.54E+08	0	4.56E+08	4.56E+08	2.33E+09	0	3.06	4.15	0
0	-1.21E+08	0	3.99E+08	3.99E+08	2.38E+09	0	18	-5.54	0
2.57E+09	8.99E+08	7.83E+08	7.21E+09	1.96E+10	1.48E+10	10900000	0.5	-5.46	7.52
2.86E+09	1.33E+09	7.02E+08	7.41E+09	1.94E+10	2.29E+10	2.96E+10	-14.8	6.69	13.1
2.78E+09	1.15E+09	6.3E+08	6.99E+09	1.9E+10	1.43E+10	3.86E+10	5.42	9.39	14.7
2.83E+09	1.16E+09	6.36E+08	7.09E+09	1.96E+10	1.83E+10	3.36E+10	-7.93	7.94	14.6
2.66E+09	1.22E+09	6.89E+08	6.98E+09	1.87E+10	1.83E+10	2.72E+10	27.7	7.33	14.4
2.87E+09	7.76E+08	1.23E+09	6.46E+09	2.03E+10	1.19E+10	8340000	0.4	5.15	0
3.13E+09	1.22E+09	1.22E+09	6.68E+09	2.08E+10	1.46E+10	1.84E+10	-14.5	5.77	14.1
2.38E+09	6.62E+08	1.21E+09	5.9E+09	2.03E+10	8.92E+09	1.93E+10	2.51	9.39	15
2.07E+09	-7E+08	1.06E+09	5.52E+09	1.95E+10	8.53E+09	1.76E+10	-12.9	5.14	11.7
2.48E+09	5.33E+08	1.21E+09	5.92E+09	1.9E+10	9.51E+09	1.53E+10	10.4	-5.32	10.6
2.52E+09	1.34E+09	3.21E+08	9.79E+09	1.21E+10	2.55E+10	5340000	0.1	-8.99	-3.83
2.71E+09	1.04E+09	2.49E+08	9.11E+09	1.13E+10	3.11E+10	2.94E+10	-14.8	10.3	20.7
2.72E+09	1.03E+09	2.71E+08	8.97E+09	1.11E+10	2.51E+10	2.59E+10	17.3	8.48	24
1.77E+09	29800000	2.75E+08	8.95E+09	1.09E+10	2.28E+10	2.73E+10	7.27	8.99	24.4
2.55E+09	-3.65E+08	2.41E+08	9.68E+09	1.19E+10	2.09E+10	2.5E+10	-16	0.27	16.1



1.02E+09	5.37E+08	0	2.58E+09	7.12E+09	1.63E+10	6710000	0.25	33.7	22.3
1.15E+09	5.21E+08	0	2.8E+09	7.17E+09	1.67E+10	1.18E+10	34.6	11.7	14.3
1.28E+09	8.76E+08	0	2.98E+09	7.61E+09	1.44E+10	1.76E+10	0.76	11.6	16.1
8.66E+08	4.7E+08	0	2.6E+09	7.23E+09	1.35E+10	1.55E+10	-7.56	19.4	16.8
1.53E+09	1.08E+09	0	3.08E+09	7.85E+09	1.38E+10	1.21E+10	1.99	9.89	12
0	72800000	0	1.78E+08	3.84E+08	1.98E+09	3270000	1.29	7.45	0
0	1.25E+08	0	2.48E+08	4.75E+08	6.29E+09	7.53E+08	224.2	43	0
0	1.33E+08	0	2.8E+08	5.09E+08	4.38E+09	2.61E+09	146	55.1	0
0	1.6E+08	0	3.33E+08	6.01E+08	3.84E+09	5.84E+09	-7.53	49.7	0
2.82E+08	1.94E+08	17000000	3.92E+08	7.32E+08	4.87E+09	4.71E+09	20.3	46.1	0
4.33E+09	-2.26E+08	1.94E+09	1.05E+10	2.9E+10	2.28E+10	33500000	0.33	-8.56	8.13
5.6E+09	3.42E+09	1.4E+09	1.14E+10	2.82E+10	3.1E+10	2.86E+10	-16.9	-0.87	14.9
5.59E+09	2.28E+09	1.68E+09	1.21E+10	3.12E+10	2.48E+10	2.72E+10	46.2	12.9	19.9
5.63E+09	2.35E+09	2E+09	1.17E+10	3.06E+10	2.56E+10	3.03E+10	-5.21	10.9	17.9
5.24E+09	1.81E+09	1.9E+09	1.1E+10	2.82E+10	2.44E+10	2.71E+10	24.5	10.4	18.4
5.03E+08	2.74E+08	0	7.16E+08	5.4E+09	3.2E+09	19500000	0.3	4.18	8.34
4.98E+08	2.75E+08	0	7.14E+08	5.06E+09	3.07E+09	3.51E+09	2.23	9.14	9.33
3.3E+08	1.65E+08	0	5.18E+08	4.22E+09	1.97E+09	3.53E+09	-20.1	9.72	9.85
3.47E+08	1.79E+08	0	5.41E+08	4.18E+09	2.45E+09	2.41E+09	-9.61	6.47	7.8
3.56E+08	1.87E+08	0	5.22E+08	3.85E+09	2.5E+09	2E+09	34.3	7.44	8.3
3.41E+09	8.07E+08	1.6E+09	1.33E+10	3.06E+10	1.8E+10	22600000	0.21	42.6	5.04
4.54E+09	1.86E+09	1.54E+09	1.41E+10	3.05E+10	2.35E+10	3.28E+10	-33.8	3.39	11.1
4.59E+09	1.85E+09	1.43E+09	1.39E+10	3.06E+10	2.12E+10	2.39E+10	41.6	7.85	14.9
4.43E+09	1.88E+09	1.63E+09	1.4E+10	2.97E+10	2.29E+10	2.7E+10	1.95	8.07	15
4.41E+09	1.02E+09	1.51E+09	1.36E+10	2.87E+10	3.15E+10	2.42E+10	26.8	8.18	15
2.74E+08	82000000	0	9.5E+08	2.21E+09	3.66E+09	6360000	0.28	7.19	2.81
3.03E+08	1.46E+08	0	9.74E+08	2.22E+09	3.42E+09	4.43E+09	-13.9	4.1	12.4
2.28E+08	1.01E+08	0	8.41E+08	1.97E+09	2.07E+09	3.71E+09	-21.6	8.03	13.7
1.71E+08	76800000	0	8.03E+08	1.87E+09	1.79E+09	2.36E+09	-9.2	6.09	11.6
1.66E+08	39300000	0	7.29E+08	1.67E+09	1.65E+09	1.77E+09	-8.9	4.94	9.14
1.62E+09	-9.86E+08	0	1.2E+09	9.69E+09	2.37E+10	27400000	0.24	-17.3	10.3
1.16E+09	-8.89E+08	0	9.21E+08	7.88E+09	2.92E+10	7.17E+10	-33.7	-2.61	16.8
3.67E+09	1.07E+09	0	3.34E+09	9.61E+09	2.26E+10	6.46E+10	5.17	-2.67	14.8
5.67E+09	2.54E+09	0	5.39E+09	1.17E+10	2.21E+10	5.85E+10	5.6	3.86	38.2
5.74E+09	2.81E+09	0	5.63E+09	1.15E+10	2.02E+10	5.24E+10	10.6	9.18	48.4
2.51E+09	1.62E+09	0	1.35E+09	2.81E+10	8.47E+09	20700000	0.21	-9.11	8.08
1.89E+09	-2E+08	0	2.77E+08	2.3E+10	7.82E+09	3.2E+10	-19.4	8.52	8.93
1.44E+09	-5.11E+08	0-28500000	2.8E+10	6.2E+09	3.2E+10		-2.49	-0.96	8.22
3.4E+09	3.07E+09	0	2.47E+09	2.75E+10	9.28E+09	3.05E+10	12.4	-3.15	5.15
2.68E+09	1.36E+09	0	1.51E+09	2.27E+10	8.68E+09	2.8E+10	33.7	18.2	12.4
3.21E+09	2.08E+09	5.53E+08	4.98E+09	7.62E+09	6.32E+10	7210000	0.67	31	22
3.93E+09	2.63E+09	5.73E+08	5.75E+09	8.68E+09	6.12E+10	4.81E+10	63.8	23.4	42.1
4.28E+09	2.84E+09	4.75E+08	5.94E+09	9.55E+09	3.82E+10	8.46E+10	-32.1	28	45.3

3.34E+09	2.31E+09	5.1E+08	4.95E+09	7.88E+09	4.8E+10	4.99E+10	-9.83	28.7	44.8
3.65E+09	2.46E+09	3.21E+08	5.29E+09	7.45E+09	7.89E+10	3.79E+10	58.6	21.3	42.4
5.23E+08	2.15E+08	1.61E+08	2.35E+09	3.28E+09	1.68E+09	26700000	0.3	42.3	9.9
6.46E+08	3.36E+08	1.6E+08	2.19E+09	3.13E+09	1.91E+09	2.39E+10	-37.6	4.31	16
5.52E+08	3.39E+08	1.18E+08	2.1E+09	2.83E+09	1.64E+09	2.41E+10	1.94	7.23	20.7
5.5E+08	4.28E+08	1.35E+08	2.02E+09	2.88E+09	2.27E+09	2.22E+10	40.7	7.69	19.5
9.07E+08	4.36E+08	0	2.58E+09	3.03E+09	3.55E+09	2.13E+10	52.8	9.51	19.1
4.05E+08	77900000	0	1.38E+09	4.79E+09	7.9E+09	2140000	0.69	23.8	11.6
1.1E+09	3.86E+08	0	2.17E+09	6.13E+09	8.42E+09	4.3E+09	86.4	12.4	8.47
4.12E+08	86600000	0	1.54E+09	5.36E+09	4.27E+09	8.46E+09	7.68	46.8	18
2.68E+08	57000000	0	1.43E+09	5.28E+09	2.62E+09	7.75E+09	-39	11.1	7.69
3.48E+08	1.41E+08	0	1.43E+09	5.18E+09	3.44E+09	4.16E+09	-24.2	5.92	5.07
2.9E+09	-2.42E+08	4.06E+09	5.83E+09	4.62E+10	3.58E+10	10700000	0.56	4.11	9.11
6.02E+09	2.39E+09	2.87E+09	7.25E+09	4.72E+10	5.55E+10	3.46E+10	23.5	-0.22	6.28
5.52E+09	2.03E+09	2.7E+09	6.42E+09	4.66E+10	3.65E+10	4.83E+10	55.3	7.55	12.7
5.45E+09	2.07E+09	2.74E+09	7.66E+09	5.05E+10	4.55E+10	6.47E+10	-31.4	6.82	11.9
5.85E+09	2.86E+09	2.49E+09	6.83E+09	4.5E+10	4.19E+10	3.98E+10	30.2	7.15	10.8
9.64E+08	63300000	0	2.68E+09	1.3E+10	5.21E+09	14800000	0.27	6.37	10.5
1E+09	6.13E+08	0	2.54E+09	1.17E+10	6.63E+09	6.49E+09	-37.3	0.82	7.41
8.62E+08	6.98E+08	0	2.21E+09	1.04E+10	5.34E+09	4.1E+09	56	6.67	8.56
8.61E+08	8.5E+08	0	2.17E+09	1E+10	6.57E+09	5.92E+09	-8.4	8.37	8.32
9.3E+08	8.17E+08	0	2.09E+09	9.18E+09	8.05E+09	4.75E+09	57.5	10.4	8.6
6.16E+09	6.81E+08	0	1.51E+10	6.35E+10	1.64E+10	5330000	0.14	41.5	0
3.05E+09	4.27E+09	0	1.2E+10	6.78E+10	2.25E+10	1.82E+10	-14.6	1.52	9.71
8.31E+09	1.98E+09	0	1.9E+10	7.37E+10	1.61E+10	1.39E+10	49.8	10.1	4.49
3.47E+09	1.89E+09	0	1.06E+10	6.48E+10	2.02E+10	1.14E+10	28.7	6.93	11.3
2.04E+09	2.9E+09	0	1.09E+10	6.39E+10	2.32E+10	2.31E+10	-0.07	9.64	5.35
1.25E+09	6.84E+08	2.79E+08	6.01E+09	9.34E+09	5.11E+10	5190000	0.25	12.4	15.3
1.35E+09	8.21E+08	4.89E+08	5.98E+09	8.99E+09	4.82E+10	3.77E+10	46.7	5.37	13.4
1.04E+09	4.5E+08	4.53E+08	6.34E+09	8.96E+09	6.03E+10	6.38E+10	-17.3	7.2	15.1
1.66E+09	1.32E+09	6.05E+08	7.71E+09	1.07E+10	4.98E+10	4.53E+10	45.3	4.32	11.6
2.11E+09	1.56E+09	6.35E+08	8.71E+09	1.14E+10	6.21E+10	5.92E+10	-8.89	12.4	15.6
3.62E+09	1.47E+09	1E+09	8.21E+09	2.36E+10	5.45E+10	55300000	0.67	-18.8	9.7
3.9E+09	1.79E+09	9.74E+08	8.81E+09	2.57E+10	6.39E+10	4.32E+10	48.3	10.1	15.3
4.05E+09	1.88E+09	1.13E+09	9.54E+09	2.88E+10	4.34E+10	6.51E+10	13.8	12.3	15.2
4.15E+09	1.72E+09	1.76E+09	1.04E+10	3.02E+10	4.18E+10	6.52E+10	-22.6	12.6	14.1
4.09E+09	1.61E+09	1.53E+09	1.02E+10	3.01E+10	3.58E+10	4.49E+10	13.8	10.7	13.7
4.04E+09	1.87E+09	0	8.02E+09	4.09E+10	1.71E+10	24400000	0.36	13.7	12.5
3.82E+09	1.8E+09	0	7.36E+09	3.71E+10	2.15E+10	2.79E+10	-9.62	11	9.88
3.55E+09	1.7E+09	0	6.58E+09	3.57E+10	1.33E+10	2.98E+10	7.96	11	10.3
4.61E+09	2.54E+09	0	7.32E+09	3.72E+10	1.79E+10	2.87E+10	-8.13	10.5	9.93
0	2.03E+09	0	6.93E+09	3.43E+10	1.89E+10	2.74E+10	40.6	15	12.4
0	6.69E+08	0	5.37E+09	5.51E+09	6.13E+09	6680000	0.43	10.4	0

0	1.11E+09	0	5.4E+09	5.55E+09	8.46E+09	0	-15	5.46	0
0	4.91E+08	0	5.33E+09	5.46E+09	5.69E+09	0	38	9.28	0
0	7.03E+08	0	8.38E+09	8.51E+09	8.07E+09	0	-10.1	4.55	0
0	1.04E+09	0	4.08E+09	5E+09	9.27E+09	0	62.8	6.4	0
7.54E+08	2.22E+08	36000000	7.02E+08	1.29E+09	2.11E+09	11900000	0.06	127.7	7.49
1.47E+08	2.64E+08	3210000	5.95E+08	1.16E+09	2.16E+09	1.48E+09	4.79	10.7	58.4
53700000	84600000	3950000	4.82E+08	1.01E+09	1.5E+09	1.65E+09	-3.7	13.1	12.7
-1.49E+08	-2.1E+08	23500000	4.43E+08	9.77E+08	1.07E+09	1.47E+09	-0.28	4.7	5.32
3.14E+08	1.16E+08	15200000	4.93E+08	9.5E+08	1.29E+09	1.06E+09	-22	-13.8	-15.2
5.59E+08	2.41E+08	0	9.82E+08	3.43E+09	2.64E+09	23700000	0.13	-10.6	3.44
5.4E+08	2.33E+08	0	9.22E+08	3.27E+09	2.82E+09	3.64E+09	23.2	9.35	16.3
4.45E+08	90600000	0	7.86E+08	3.11E+09	2E+09	4.53E+09	-6.7	9.58	16.5
3.42E+08	53300000	0	6.12E+08	2.78E+09	1.55E+09	3.76E+09	-19.5	3.9	14.3
2.51E+08	69600000	0	5.36E+08	2.53E+09	1.21E+09	3.13E+09	-17.5	2.42	12.3
1.63E+09	-1.55E+09	2.08E+08	8.09E+09	9.1E+09	8.05E+09	20400000	0.4	5.36	-21.8
1.88E+09	9.41E+08	1.83E+08	8.48E+09	9.43E+09	1.01E+10	1.36E+10	-18.8	-16.3	17.9
1.83E+09	4.54E+08	1.41E+08	8.47E+09	9.43E+09	8.25E+09	1.25E+10	33.8	13.3	19.9
1.45E+09	-76000000	2.05E+08	8.12E+09	9.25E+09	7.62E+09	1.02E+10	1.1	7.07	19.4
1.37E+09	-1.22E+09	1.63E+08	7.64E+09	8.97E+09	8.16E+09	1.01E+10	-12.7	-0.59	15.7
5.27E+08	3.29E+08	0	9.55E+08	1.61E+09	9.65E+09	23600000	0	22.2	29.3
7.52E+08	5.12E+08	0	1.22E+09	2.05E+09	9.68E+09	7.84E+09	34.2	14.9	32.7
8.89E+08	5.91E+08	0	1.35E+09	2.11E+09	8.5E+09	1.13E+10	1.15	23.2	36.8
8.4E+08	5.28E+08	0	1.34E+09	2E+09	1.99E+10	1E+10	7.4	26.2	42.1
1.15E+09	7.68E+08	0	1.68E+09	2.4E+09	3.21E+10	9.3E+09	178	21.5	41.9
5.07E+08	1.2E+08	0	6.77E+08	5.19E+09	1.68E+09	40900000	0	-13.5	7.23
7.56E+08	4.99E+08	0	9.32E+08	6.92E+09	2.48E+09	3.41E+09	-8.34	6.02	9.77
5.56E+08	2.59E+08	0	7.16E+08	6.16E+09	1.92E+09	3.23E+09	29.5	21.5	10.9
3.98E+08	1.55E+08	0	5.71E+08	5.24E+09	1.79E+09	3.7E+09	-14.2	11.4	9.02
3.8E+08	1.76E+08	0	5.51E+08	4.34E+09	2.03E+09	2.71E+09	24.1	6.32	7.58
2.08E+09	-2.38E+09	2.8E+09	7.41E+09	7.53E+10	1.08E+10	6640000	0.15	47.4	0
9.14E+09	3.29E+09	2.1E+09	1.23E+10	8.62E+10	1.29E+10	4.08E+10	-25.6	-9.06	2.76
5.63E+09	2.29E+09	2.37E+09	1.05E+10	1.11E+11	1.02E+10	3.79E+10	16.2	15.2	10.6
5.3E+09	1.81E+09	2.55E+09	9.29E+09	9.88E+10	1.12E+10	3.66E+10	4.11	11.4	5.08
4.24E+09	1.6E+09	2.09E+09	8.08E+09	8.41E+10	1.42E+10	3.93E+10	25.1	9.08	5.37
2.03E+08	-3.37E+09	0	2.06E+09	1.92E+10	1.97E+10	15200000	0.34	3.15	8.24
1.49E+09	-3.19E+09	0	2.68E+09	1.69E+10	2.34E+10	5.92E+10	-30.2	-11.5	1.05
3.09E+09	4.66E+08	0	4.31E+09	1.69E+10	2.03E+10	5.42E+10	2.73	-14.1	8.84
5.14E+09	1.5E+09	0	6.66E+09	1.9E+10	1.94E+10	5.64E+10	6.32	2.53	18.3
5.04E+09	1.45E+09	0	6.61E+09	1.82E+10	2.26E+10	5.23E+10	8.1	8.3	27.1
5.22E+08	2.37E+08	3.02E+08	1.4E+09	5.07E+09	2.63E+09	6180000	0.89	47.4	16.4
6.95E+08	3.79E+08	2.24E+08	1.55E+09	5.24E+09	5.07E+09	2.84E+09	1.35	8.78	10.3
7.39E+08	3.83E+08	1.85E+08	1.6E+09	5.16E+09	2.97E+09	2.63E+09	89.6	14.8	13.3
8.15E+08	4.28E+08	2.45E+08	1.72E+09	5.39E+09	4.08E+09	4.94E+09	-26.1	15.2	14.3

8.55E+08	4.54E+08	3.24E+08	1.83E+09	5.51E+09	6.97E+09	3.43E+09	76.9	16.1	15.1
1.38E+09	9.08E+08	1.94E+08	5.22E+09	6.86E+09	2.22E+10	18600000	-0.18	-38.6	6.94
9.45E+08	4.98E+08	2.32E+08	4.76E+09	6.19E+09	2.02E+10	2.09E+10	-10.1	13.8	20.1
1.57E+08	2.03E+08	2.02E+08	4.15E+09	5.59E+09	1.72E+10	1.94E+10	-11.4	7.72	15.3
7.22E+08	3.22E+08	99000000	4.2E+09	5.32E+09	1.5E+10	1.48E+10	33.3	3.48	2.82
6.74E+08	3.74E+08	76300000	3.99E+09	5.04E+09	9.6E+09	1.78E+10	-19	5.7	13.6
2.69E+09	1.27E+09	8.99E+08	8.55E+09	2.09E+10	2.03E+10	16200000	0.34	17.2	7.93
3.14E+09	1.84E+09	1.03E+09	8.71E+09	2.15E+10	3.08E+10	2.16E+10	3.98	6.29	12.8
2.94E+09	1.58E+09	1.72E+09	8.27E+09	2.09E+10	1.83E+10	2.33E+10	56.8	9.55	14.6
2.99E+09	1.7E+09	2.68E+09	8.31E+09	2.07E+10	2.18E+10	3.11E+10	-22.3	8.24	14.1
2.88E+09	1.6E+09	3.17E+09	8.06E+09	1.99E+10	2.93E+10	2.16E+10	27.9	8.42	14.4
1.31E+09	7E+08	0	1.67E+09	4.82E+09	4.04E+10	11500000	0.52	0.68	0
2.01E+09	1.37E+09	0	2.54E+09	6.22E+09	3.75E+10	3.12E+10	24.7	5.4	27.3
1.81E+09	1.26E+09	0	2.45E+09	6.29E+09	2.52E+10	4.21E+10	-3.86	11.2	32.3
1.44E+09	9.87E+08	0	2.01E+09	5.76E+09	2.32E+10	3.54E+10	-18.6	11	28.8
1.23E+09	8.75E+08	0	1.79E+09	4.99E+09	2.52E+10	2.44E+10	4.54	8.72	24.9
2.17E+09	8.61E+08	4.46E+08	9.47E+09	1.92E+10	7.1E+10	45500000	0.36	53.8	0
2.56E+09	1.7E+09	4.98E+08	9.59E+09	1.89E+10	6.76E+10	5.58E+10	42.3	8.78	11.3
2.52E+09	1.9E+09	3.72E+08	8.96E+09	1.72E+10	5.7E+10	9E+10	-29.4	17.4	13.6
3.06E+09	2.16E+09	4.59E+08	1.01E+10	1.94E+10	6.76E+10	5.49E+10	23.3	19.2	14.7
4.76E+09	2.63E+09	4.96E+08	1.14E+10	2.12E+10	1.01E+11	5.8E+10	30.3	19.1	15.8
7.08E+08	1.4E+08	0	2.05E+09	8.24E+09	4.3E+09	26600000	0.64	41	15.3
9.19E+08	6.2E+08	0	2.11E+09	8.12E+09	6.95E+09	5.9E+09	11.1	4.22	8.6
9.62E+08	4.72E+08	0	2.06E+09	7.44E+09	5.41E+09	6.75E+09	69	16.8	11.3
1.09E+09	4.94E+08	0	2.11E+09	7.65E+09	5.6E+09	8.65E+09	-19.9	13.6	12.9
1.12E+09	5.95E+08	0	2.03E+09	7.22E+09	7.44E+09	6E+09	20.7	13.5	14.3
5.14E+08	-3.23E+08	0	9.58E+08	6.13E+09	7.24E+08	7510000	0	503.8	20.5
5.93E+08	1.45E+08	0	1.05E+09	5.75E+09	1.48E+09	3.53E+09	5.09	-15.8	8.39
7.22E+08	4.51E+08	0	1.26E+09	5.97E+09	1.63E+09	3.43E+09	18.9	8.87	10.3
6.71E+08	2.14E+08	0	1.17E+09	5.62E+09	2E+09	2.94E+09	77.7	23.7	12.1
8.52E+08	4.73E+08	0	1.46E+09	5.8E+09	1.01E+10	3.26E+09	8.02	10.2	11.9
4.35E+09	1.69E+09	1.22E+09	1.04E+10	3.52E+10	2.34E+10	5960000	0.88	31.6	18.2
3.37E+09	1.85E+09	1.24E+09	9.63E+09	3.13E+10	3.41E+10	2.07E+10	45.1	13.3	12.4
3.56E+09	1.3E+09	1.15E+09	8.55E+09	2.79E+10	2.3E+10	2.86E+10	32.4	15.6	10.7
2.33E+09	9.12E+08	1.38E+09	8.18E+09	2.64E+10	2.4E+10	3.32E+10	-10.7	12.2	12.7
2.64E+09	2.02E+09	1.12E+09	7.6E+09	2.38E+10	3.56E+10	2.55E+10	20.8	8.07	8.84
0	5170000	0	2.02E+09	2.02E+09	3.16E+09	33400000	-0.08	18.6	6.16
0	4.61E+08	0	2.24E+09	2.24E+09	3.41E+09	0	-12.9	0.05	0
0	3.23E+08	0	2.11E+09	2.11E+09	3.19E+09	0	7.53	5.59	0
0	4.3E+08	0	1.98E+09	1.98E+09	4.81E+09	0	52.5	4.71	0
0	3.81E+08	0	1.97E+09	1.97E+09	4.39E+09	0	10.7	6.75	0
3.81E+08	1.03E+08	0	1.24E+09	7.76E+09	1.76E+09	28600000	0.38	201.5	9.51
4.21E+08	1.12E+08	0	1.22E+09	7.99E+09	1.54E+09	4.05E+09	-1.35	4.62	4.91

3.59E+08	1.46E+08	0	1.14E+09	7.93E+09	1.07E+09	4.16E+09	-16.5	5.44	5.27
3.69E+08	-7430000	0	1.09E+09	7.42E+09	1.05E+09	3.83E+09	6.55	6.85	4.52
5.21E+08	1.87E+08	0	1.24E+09	7.46E+09	1.78E+09	3.83E+09	-10.4	0.26	4.97
3.92E+08	98200000	0	8.96E+08	3.69E+09	1.4E+09	19600000	0	33.6	10.1
3.82E+08	79300000	0	8.61E+08	3.66E+09	1.74E+09	2.48E+09	25.3	5.96	10.6
3.51E+08	98300000	0	8.18E+08	3.75E+09	1.2E+09	3.09E+09	-13.7	6.11	10.4
4.61E+08	1.69E+08	0	8.86E+08	3.93E+09	1.28E+09	2.49E+09	-17.1	7.31	9.37
4.36E+08	2.08E+08	0	8.44E+08	3.68E+09	1.8E+09	2.27E+09	-6.37	10.1	11.7
7.27E+08	4.72E+08	0	1.3E+09	7.64E+09	3.42E+09	11800000	0.05	11	7
8.13E+08	5.12E+08	0	1.33E+09	7.66E+09	3.57E+09	3.8E+09	-19.6	12.8	9.51
6.4E+08	3.76E+08	0	1.12E+09	7.51E+09	2.81E+09	3.66E+09	20.5	15	10.6
7.21E+08	4.4E+08	0	1.19E+09	7.73E+09	3.36E+09	4.08E+09	3.3	11.7	8.52
0	2.21E+08	0	1.03E+09	7.39E+09	3.28E+09	3.98E+09	24.4	13.2	9.33
1.79E+09	1.11E+09	3.56E+08	2.79E+09	5.15E+09	4.23E+10	16300000	0.64	12.4	22
2.05E+09	1.36E+09	2.52E+08	4.33E+09	5.62E+09	5.41E+10	3.37E+10	36.6	17.5	34.8
1.92E+09	1.26E+09	2.51E+08	3.14E+09	5.35E+09	3.34E+10	4.84E+10	19.9	21.9	36.6
1.88E+09	1.18E+09	2.49E+08	3.11E+09	5.38E+09	3.37E+10	5.15E+10	-25.7	21.2	0
1.87E+09	1.32E+09	3.1E+08	3.09E+09	5.33E+09	4.66E+10	3.12E+10	38.7	20	0
6.13E+08	-6120000	0	2.05E+09	1.47E+10	4.37E+09	4200000	0.4	22.1	-73.7
1E+09	1.17E+08	0	2.31E+09	1.3E+10	5.42E+09	8.08E+09	-24.4	0.12	4.17
4.91E+08	-9.65E+08	0	1.83E+09	1.14E+10	2.43E+09	7.11E+09	7.85	3.02	7.73
3.94E+08	-7.39E+08	0	1.68E+09	1.09E+10	1.68E+09	6.12E+09	-46.9	-21	4.31
5.61E+08	-1.51E+09	0	1.73E+09	1.05E+10	1.52E+09	3.74E+09	-7.87	-20.1	3.61
8.51E+08	89000000	2.6E+08	1.9E+09	7.78E+09	5.21E+09	22400000	0.77	-5.63	12.9
1.16E+09	4.66E+08	2.24E+08	2.21E+09	8.47E+09	6.76E+09	1.01E+10	-10.8	2.14	10.9
1.45E+09	5.49E+08	3.31E+08	2.63E+09	9.16E+09	4.13E+09	9.81E+09	13.5	10.1	13.7
1.69E+09	6.97E+08	3.87E+08	3.08E+09	9.91E+09	5.37E+09	9.38E+09	-11	11.7	15.8
1.5E+09	5.35E+08	2.33E+08	2.75E+09	8.83E+09	4.69E+09	8.18E+09	26	15.1	17.1
1.44E+10	3.3E+09	2.48E+09	2.12E+10	8.14E+10	3.24E+10	7540000	0	93.6	0
8.1E+09	5.6E+09	2.58E+09	2.16E+10	8.77E+10	5.56E+10	5.38E+10	-12.1	8.9	17.6
7.68E+09	3.22E+09	2.17E+09	2.07E+10	8.36E+10	4.09E+10	5.86E+10	53.3	16.8	9.23
1.1E+10	5.69E+09	1.54E+09	1.82E+10	7.09E+10	5.85E+10	7.86E+10	7.4	9.78	9.18
8.68E+09	3.66E+09	1.36E+09	1.73E+10	6.06E+10	1.25E+11	6.48E+10	52	16	15.6
7.88E+09	4.02E+09	3.36E+09	2.57E+10	1.26E+11	4.02E+10	16000000	0.29	4.71	8.7
1.1E+10	6.91E+09	2.52E+09	2.58E+10	1.24E+11	5.06E+10	9.8E+10	-7.15	5.2	6.25
1.05E+10	5.37E+09	3.46E+09	2.48E+10	1.24E+11	3.83E+10	9.86E+10	12.3	9.02	8.84
1.16E+10	6.65E+09	2.25E+09	2.92E+10	1.38E+11	5.02E+10	9.45E+10	-6.13	7.26	8.43
1.19E+10	6.63E+09	2.84E+09	2.97E+10	1.38E+11	4.82E+10	7.44E+10	45.1	8.49	8.41
1.06E+09	43200000	0	2.03E+09	1.19E+10	1.78E+09	2080000	0.91	237.2	29.7
1.01E+09	4.42E+08	3.75E+08	1.77E+09	1.01E+10	3.46E+09	6.82E+09	-20.5	2.26	8.94
1.12E+09	4.97E+08	4.28E+08	2.05E+09	9.88E+09	3.34E+09	7.14E+09	13.1	15.3	10
-1.23E+08	-6.53E+08	4.81E+08	9.17E+08	9.03E+09	2.87E+09	7.51E+09	66	17.5	11.3
1.14E+09	7.52E+08	3.43E+08	2.32E+09	1.02E+10	8.18E+09	7.74E+09	-28.2	-22.9	-1.37

7.63E+09	4.25E+09	2.12E+09	1.72E+10	9.99E+10	3.56E+10	24400000	0.51	35.8	15.3
8.28E+09	6.22E+09	1.27E+09	1.68E+10	1.03E+11	4.22E+10	7.34E+10	16.9	12.7	7.63
6.42E+09	6.25E+09	1.42E+09	1.6E+10	1.04E+11	3.81E+10	8.27E+10	18.7	19.3	8.03
5.93E+09	5.18E+09	1.15E+09	1.52E+10	9.83E+10	5.23E+10	7.82E+10	17.9	17.6	6.16
5.68E+09	5.51E+09	1.6E+09	1.5E+10	9.3E+10	7.23E+10	7.63E+10	39.1	14.1	6.03
7.11E+08	-9.24E+08	0	3.37E+09	4.55E+10	5.98E+09	8300000	0	34.9	6.24
4.17E+09	2.11E+09	0	7.07E+09	5.2E+10	8.12E+09	1.87E+10	-25.1	-7.49	1.56
4.35E+09	2.5E+09	0	7.22E+09	7.01E+10	6.55E+09	1.91E+10	29.4	18.8	8.01
2.77E+09	1.72E+09	0	5.54E+09	6.13E+10	6.37E+09	1.83E+10	4.53	21.7	6.2
1.78E+09	7.44E+08	0	4.42E+09	5.85E+10	9.02E+09	1.87E+10	25	13.8	4.52
4.16E+09	-1.08E+09	1.26E+09	3.21E+09	7.47E+09	6.87E+09	23100000	0.31	3.47	9.01
6.95E+09	1.94E+09	1.22E+09	5.87E+09	1.08E+10	1.22E+10	2.63E+10	-51.1	-3.3	55.7
1.17E+10	3.32E+09	1.42E+09	1.05E+10	1.76E+10	1.37E+10	2.09E+10	80.2	6.74	64.3
1.08E+10	2.28E+09	1.79E+09	9.34E+09	1.54E+10	1.88E+10	2.29E+10	39.3	12	66.6
9.7E+09	2.72E+09	1.91E+09	8.59E+09	1.44E+10	1.61E+10	2.48E+10	36.4	7.79	70.6
97700000	-5.21E+08	0	2.31E+09	8.2E+09	1.84E+09	9990000	0	79.4	11.9
1.98E+08	-46900000	0	2.09E+09	4.59E+09	2.77E+09	4.55E+09	-38	-10.2	1.19
3.82E+08	2.35E+08	0	2.1E+09	3.57E+09	3.34E+09	3.63E+09	39.3	-1.26	4.31
5.12E+08	3.12E+08	0	2.19E+09	3.7E+09	4.19E+09	3.88E+09	69.1	5.94	10.7
6.24E+08	4.51E+08	0	2.13E+09	3.51E+09	5.65E+09	4.87E+09	6.75	7.75	13.8
1.68E+09	4.1E+08	0	2.78E+09	1.81E+10	5.95E+09	12300000	0.44	18.9	9.99
2.35E+09	1.03E+09	0	3.78E+09	2.07E+10	1.04E+10	1.02E+10	-24.6	4.89	9.26
2.67E+09	1.12E+09	0	4.31E+09	2.33E+10	8.98E+09	9.08E+09	46	11.3	11.3
3.03E+09	1.31E+09	0	4.78E+09	2.41E+10	8.58E+09	1.27E+10	8.11	13.4	11.5
2.22E+09	8.07E+08	1.13E+09	3.97E+09	2.04E+10	9.72E+09	1.2E+10	17.4	15.2	12.6
4.1E+08	-1.47E+08	1.84E+08	1.42E+09	3.35E+09	1.98E+09	9450000	-0.04	65.8	11.5
5.69E+08	-60800000	64500000	1.28E+09	2.87E+09	2.41E+09	7.55E+09	-46.7	-3.72	12.2
5.37E+08	1.11E+08	51000000	1.19E+09	2.52E+09	2.09E+09	6.54E+09	28.5	-1.91	19.8
5.68E+08	1.43E+08	54800000	1.25E+09	2.63E+09	2.46E+09	6.15E+09	14.7	4.17	21.3
7.27E+08	3.01E+08	69800000	1.42E+09	2.9E+09	2.74E+09	5.41E+09	6.83	5.61	21.5
1.68E+09	-2.85E+09	3.3E+09	2.71E+09	3.16E+10	4.01E+09	24700000	1.14	-18.7	5.35
4.72E+09	2.35E+09	2.67E+09	5.39E+09	3.48E+10	8.8E+09	2.34E+10	-30	-15.9	5.31
4.14E+09	1.58E+09	2.08E+09	5.06E+09	3.93E+10	5.31E+09	2.32E+10	48.5	15	13.6
3.52E+09	1.29E+09	2.33E+09	4.37E+09	3.71E+10	8.42E+09	2.29E+10	4.7	10.2	10.5
2.58E+09	8.56E+08	0	3.59E+09	3.17E+10	7.69E+09	2.22E+10	42.4	7.89	9.51
2.69E+08	61300000	0	4.47E+08	4.3E+09	2.06E+09	10900000	-0.04	-19.2	-5.72
2.34E+08	-4E+08	0	3.66E+08	3.9E+09	2.36E+09	2.18E+09	-45.1	1.57	6.27
2.92E+08	2.38E+08	0	4.5E+08	3.99E+09	2.99E+09	5.47E+08	-0.31	-11.8	6
2.06E+08	1.33E+08	0	3.83E+08	5.61E+09	2.98E+09	4.67E+08	74.6	8.01	7.32
0	-1.43E+08	0	-1.18E+08	5.32E+09	2.07E+09	9.23E+08	-3.01	4.43	3.66
5.96E+08	-2.56E+08	0	1.54E+09	1.19E+10	2.7E+09	13600000	0.19	-1.17	2.14
9.26E+08	2.14E+08	3.8E+08	1.85E+09	1.2E+10	3.02E+09	5.91E+09	-38.4	-4.66	4.99
9.17E+08	2.19E+08	3.57E+08	1.78E+09	1.24E+10	2.2E+09	5.22E+09	25.5	4.84	7.7

1.04E+09	3.71E+08	4.51E+08	2.04E+09	1.32E+10	2.83E+09	4.48E+09	-7.56	4.96	7.41
7.14E+08	87700000	4.7E+08	1.74E+09	1.19E+10	2.36E+09	3.83E+09	28.5	7.75	7.86
-1.22E+09	-2.28E+09	0	-1.09E+08	6.17E+09	5.86E+09	13500000	0.38	-10.2	10.9
-8.56E+08	-1.76E+09	1.3E+09	5.87E+08	5.41E+09	9.39E+09	8.4E+09	-41.3	-20.8	-19.7
9.19E+08	-2.5E+08	8.49E+08	3.51E+09	9.02E+09	8.11E+09	1.03E+10	10.1	-21.5	-15.8
2.04E+09	7.38E+08	1.36E+09	5.66E+09	1.15E+10	7.98E+09	1.15E+10	22.7	-4.18	10.2
1.98E+09	6.41E+08	1.84E+09	6.94E+09	1.16E+10	6.97E+09	1.21E+10	2.97	12	17.8
8.69E+08	5.01E+08	25400000	1.29E+09	1.29E+09	1.3E+10	0	0.39	18.7	18.8
7.98E+08	4.52E+08	16700000	1.19E+09	1.19E+09	1.24E+10	9.48E+09	36.7	17.2	67.1
6.58E+08	3.57E+08	8380000	1.03E+09	1.03E+09	6.93E+09	1.34E+10	-4.55	16.9	67.3
7.06E+08	4.1E+08	46900000	1.03E+09	1.03E+09	1.01E+10	1.14E+10	-24.6	15.2	64.1
6.84E+08	3.89E+08	0	5.72E+08	1.04E+09	1.25E+10	7.29E+09	57.2	18.1	68.6
0	4.38E+09	0	1.11E+11	1.11E+11	2.76E+10	20000000	0.07	18.3	3.44
0	3.75E+09	0	9.99E+10	9.99E+10	2.89E+10	0	-21.8	3.42	0
0	3.6E+09	0	8.42E+10	8.42E+10	2.4E+10	0	11.7	3.38	0
0	1.96E+09	0	7.87E+10	7.87E+10	2.93E+10	0	23.7	3.91	0
0	1.98E+09	0	7.5E+10	7.5E+10	2.9E+10	0	13.5	3	0
5.88E+09	3.01E+09	8.27E+08	1.16E+10	2.03E+10	3.34E+10	14200000	0.2	11.9	4.71
5.85E+09	2.94E+09	7.5E+08	1.19E+10	2.02E+10	3.48E+10	4.85E+10	-13.6	11.7	29
6.34E+09	3.36E+09	6.17E+08	1.19E+10	2.02E+10	2.92E+10	4.3E+10	10.5	12.4	29
5.85E+09	3.42E+09	6.73E+08	1.15E+10	2.02E+10	4.11E+10	3.96E+10	14.6	13.7	31.5
3.06E+09	1.14E+09	8.13E+08	1.11E+10	2E+10	4.94E+10	3.75E+10	37	12.9	29
1.7E+10	6.37E+09	4.08E+09	2.3E+10	5.1E+10	6.14E+10	8180000	0.04	12.4	0
1.49E+10	5.38E+09	3.72E+09	2.08E+10	4.71E+10	6.95E+10	8.31E+10	-5.75	14.5	33.4
1.31E+10	4.93E+09	2.87E+09	1.82E+10	4.26E+10	6.5E+10	8.45E+10	9.65	12.6	31.7
1.21E+10	4.9E+09	3.68E+09	1.72E+10	4.08E+10	6.39E+10	7.92E+10	18.4	12.9	30.8
1.04E+10	4E+09	2.51E+09	1.58E+10	3.72E+10	6.57E+10	7.7E+10	12.7	13.5	29.6
1.64E+09	1.07E+09	0	2.56E+09	1.9E+10	5.45E+09	15400000	0	22.3	9.66
1.16E+09	8.99E+08	0	2.07E+09	1.74E+10	6.12E+09	7.54E+09	-5.21	13.6	8.62
1.16E+09	7.93E+08	0	2.06E+09	1.78E+10	4.62E+09	6.05E+09	-4.41	11.6	6.69
1.12E+09	7.54E+08	0	2.03E+09	1.87E+10	7.85E+09	6.1E+09	16.3	10.5	6.52
1.01E+09	7.18E+08	0	1.84E+09	1.72E+10	8.1E+09	7.07E+09	53.4	9.73	6.01
2.95E+08	1.75E+08	0	7.26E+08	3.88E+09	6.75E+08	5970000	0	5.12	11.6
2.31E+08	25500000	0	6.44E+08	3.77E+09	1.32E+09	1.36E+09	38.3	16.3	7.61
2.26E+08	89300000	0	6.04E+08	3.68E+09	9.52E+08	1.45E+09	40	2.41	6.11
2.47E+08	1.35E+08	0	6.53E+08	3.79E+09	8.77E+08	1.32E+09	3.51	9.31	6.14
2.32E+08	1.17E+08	49400000	6.74E+08	3.8E+09	1.15E+09	1.09E+09	13.4	13.7	6.51
2.57E+09	1.22E+09	5.76E+08	5.72E+09	1.34E+10	3.41E+10	13900000	0.18	10.1	10.5
2.09E+09	9.52E+08	5.21E+08	4.98E+09	1.23E+10	2.67E+10	4.05E+10	-11.7	14.2	19.2
1.54E+09	6.52E+08	4.97E+08	4.16E+09	1.18E+10	1.73E+10	3.71E+10	-24.5	11.6	16.9
1.35E+09	3.11E+08	3.84E+08	3.98E+09	1.09E+10	1.69E+10	2.46E+10	-12.7	8.87	13.1
1.48E+09	6.86E+08	3.65E+08	4.06E+09	1.04E+10	2.06E+10	1.89E+10	10.4	4.6	12.4
8.75E+08	-670000	0	2.15E+09	1.49E+10	1.98E+09	23300000	0	133.4	13.4

8.57E+08	16800000	0	2.13E+09	1.3E+10	3.39E+09	8.27E+09	-3.49	0.35	5.87
1.17E+09	5.08E+08	0	2.4E+09	1.26E+10	2.79E+09	7.94E+09	-10.6	0.95	6.6
5.69E+08	-92000000	6.28E+08	1.97E+09	1.25E+10	3.66E+09	7.45E+09	48.7	13.3	9.32
1.23E+09	5.28E+08	5.04E+08	2.64E+09	1.29E+10	6.47E+09	9.47E+09	0.94	-1.76	4.56
2.8E+08	4.2E+08	0	3.6E+08	6.17E+09	1.13E+09	14300000	0	11.8	19.4
4.24E+08	4.07E+09	0	5.33E+08	6.19E+09	4.48E+09	5.99E+09	13.4	18.6	4.53
8.87E+08	6.5E+09	0	1.05E+09	7.05E+09	4.14E+09	6.49E+09	227.7	92.8	6.84
7.84E+08	9.27E+08	0	1.01E+09	6.59E+09	8.43E+09	9.28E+09	20.8	74.3	12.6
9.82E+08	2.01E+09	0	1.18E+09	6.69E+09	9.09E+09	6.64E+09	117.1	8.57	11.9
2.01E+08	-1.9E+08	0	3.48E+08	3.24E+09	7.06E+09	20300000	0.22	-13.5	10.8
2.84E+08	-98600000	0	3.85E+08	2.63E+09	6.14E+09	9.95E+09	21	-5.32	6.2
3.35E+08	1.16E+08	0	4.81E+08	2.53E+09	4.27E+09	1.25E+10	-36.6	-3.33	10.8
4.93E+08	1.83E+08	0	6.61E+08	2.76E+09	3.63E+09	8.14E+09	-4.54	4.43	13.2
5.47E+08	2.74E+08	0	7.11E+08	2.86E+09	2.72E+09	6.89E+09	-8.29	7.04	17.9
1.91E+08	-2.21E+08	0	2.46E+08	2.15E+09	4.7E+09	6180000	0.29	-36.1	23.6
1.98E+08	-1.34E+08	0	2.6E+08	1.85E+09	5.4E+09	8.83E+09	-17.7	-5.36	8.89
2.74E+08	1.75E+08	0	3.62E+08	1.82E+09	4.5E+09	8.68E+09	-10.9	-3.77	10.7
4.12E+08	2.83E+08	0	5.2E+08	2.05E+09	6.22E+09	7.33E+09	20.7	6.04	15.1
4.38E+08	7.15E+08	0	5.48E+08	1.99E+09	4.16E+09	7.36E+09	77.5	9.7	20.1
2.6E+09	1.77E+09	0	4.09E+09	5E+09	1.1E+11	75400000	0	4.04	13.8
3.51E+09	2.5E+09	0	5.14E+09	6.23E+09	1.46E+11	7.83E+10	50.7	10.3	52
3.76E+09	2.69E+09	0	5.54E+09	6.78E+09	8.5E+10	1.26E+11	24.6	14.4	56.4
3.5E+09	2.51E+09	0	5.44E+09	6.6E+09	9.32E+10	1.44E+11	-28.9	15.7	55.5
3.51E+09	2.53E+09	0	5.55E+09	6.62E+09	1.1E+11	8.64E+10	20.8	14.2	53
5.76E+08	2.6E+08	0	1.75E+09	4.47E+09	9.51E+09	3080000	0.37	2.07	12.6
6.43E+08	3.55E+08	0	1.33E+09	4.13E+09	1.57E+10	9.6E+09	33.5	9.51	12.9
5.67E+08	3.18E+08	1.84E+08	1.5E+09	4.53E+09	1.04E+10	1.33E+10	34.9	13.1	15.5
6.26E+08	3.75E+08	1.79E+08	1.57E+09	4.59E+09	1.06E+10	1.6E+10	-28.2	11.3	12.5
6.58E+08	3.96E+08	0	1.52E+09	4.46E+09	1.13E+10	9.82E+09	24.4	12.3	13.6
1.92E+09	6.97E+08	9.01E+08	7.79E+09	1.79E+10	1.5E+10	9300000	0.23	-0.82	5.8
1.98E+09	5.19E+08	7.5E+08	7.15E+09	1.58E+10	1.45E+10	2.5E+10	1.84	8.9	10.7
1.91E+09	8.42E+08	7.47E+08	6.87E+09	1.51E+10	1.19E+10	2.7E+10	-24.1	6.1	12.5
1.93E+09	8E+08	8.07E+08	6.83E+09	1.51E+10	1.13E+10	1.88E+10	8.88	12	12.6
1.82E+09	3.7E+08	1.15E+09	6.78E+09	1.49E+10	1.21E+10	1.76E+10	2.73	11.2	12.7
1.02E+09	-6.92E+08	0	1.89E+09	1.64E+10	1.4E+09	17200000	0	-13.5	9.21
1.75E+09	6.39E+08	0	2.73E+09	1.72E+10	2.13E+09	8.34E+09	-6.45	-9.06	6.23
1.31E+09	4.06E+08	0	2.28E+09	1.81E+10	1.62E+09	1.01E+10	4.72	9.27	10.2
2.05E+09	9.56E+08	0	2.95E+09	1.82E+10	4.64E+09	8.75E+09	11.3	6.32	7.27
1.89E+09	6.53E+08	0	2.76E+09	1.62E+10	4.28E+09	7.62E+09	184.2	13.7	11.3
2.81E+09	8.19E+08	1.77E+09	5.52E+09	2.06E+10	2.12E+10	19700000	0.69	18	13.5
3.63E+09	1.65E+09	1.49E+09	6.26E+09	2.28E+10	2.46E+10	3.14E+10	6.64	5.05	13.6
4.45E+09	2.29E+09	1.32E+09	7.34E+09	2.52E+10	1.81E+10	3.43E+10	-4.4	0	15.9
5.4E+09	2.83E+09	1.42E+09	8.4E+09	2.7E+10	2.17E+10	2.87E+10	6.78	0	17.6



4.98E+09	2.54E+09	1.18E+09	8.11E+09	2.56E+10	2.43E+10	2.85E+10	28.2	15.3	20
7.1E+08	2.96E+08	2.81E+08	1.01E+09	2.54E+09	5.18E+09	20200000	0.78	100.5	17.6
5.98E+08	4.14E+08	2.05E+08	1.15E+09	2.57E+09	7.31E+09	4.79E+09	29.3	10.8	28
5.7E+08	3.03E+08	3.21E+08	9.44E+08	2.36E+09	5.84E+09	6.85E+09	-4.83	15.3	23.3
6.37E+08	3.68E+08	2.35E+08	1.04E+09	2.42E+09	7.06E+09	5.12E+09	8.15	11.4	24.2
8.96E+08	4.95E+08	2.9E+08	1.24E+09	2.66E+09	1.25E+10	5.04E+09	23.7	13.4	26.4
6.33E+08	-2.51E+08	3E+08	3.64E+09	8.37E+09	1.25E+09	6740000	0.7	60.5	-6.12
6.54E+08	-67900000	3.2E+08	3.48E+09	7.9E+09	2.43E+09	6.05E+09	-44.7	-4.84	7.56
5.83E+08	-1.22E+08	1.94E+08	3.44E+09	8.12E+09	1.48E+09	5.26E+09	33	-1.53	8.27
7.88E+08	-7.38E+08	1.8E+08	3.56E+09	8.17E+09	1.4E+09	4.87E+09	0.57	-3	7.18
7.23E+08	-3E+07	1.76E+08	3.32E+09	7.56E+09	2.1E+09	4.93E+09	-21.7	-19.1	9.65
2.16E+09	1.25E+09	5.9E+08	5.18E+09	1.8E+10	2.07E+10	12600000	0.63	-13.4	10.1
2.49E+09	1.53E+09	8.46E+08	5.49E+09	1.91E+10	2.57E+10	2.65E+10	30.4	9.09	12
2.26E+09	1.19E+09	1.02E+09	5.28E+09	2.03E+10	1.65E+10	3.37E+10	13.4	11.4	13
2.83E+09	1.69E+09	1.06E+09	6.22E+09	2.14E+10	1.59E+10	3.41E+10	-28.8	9.14	11.1
2.57E+09	1.47E+09	1.15E+09	5.9E+09	1.92E+10	1.48E+10	2.92E+10	16.8	11.5	13.2
1.03E+09	24900000	8.09E+08	1.6E+09	5.25E+09	3.16E+09	14500000	0.01	60	4.11
1.14E+09	3.24E+08	5.94E+08	1.77E+09	5.47E+09	3.11E+09	5.58E+09	-17.6	0.63	19.7
1.16E+09	4.12E+08	5.43E+08	1.83E+09	5.74E+09	2.29E+09	5.39E+09	-8.93	7.01	20.9
1.08E+09	3.01E+08	4.19E+08	1.7E+09	5.54E+09	3.81E+09	4.59E+09	5.91	8.91	20.2
1.08E+09	2.02E+08	4.54E+08	1.7E+09	5.26E+09	4.42E+09	4.41E+09	34.7	6.02	19.5
1.52E+09	6.82E+08	1.13E+09	3.82E+09	1.46E+10	1.99E+10	14600000	0.17	-23.4	1
2.26E+09	1.27E+09	1.13E+09	4.34E+09	1.55E+10	2.11E+10	2.13E+10	-15.4	2.78	10.4
2.02E+09	1.12E+09	1.28E+09	4.31E+09	1.52E+10	1.76E+10	1.92E+10	13.6	5.85	14.6
1.73E+09	7.06E+08	1.03E+09	3.87E+09	1.41E+10	1.72E+10	1.98E+10	-8.84	5.31	13.3
1.01E+09	1.85E+08	1.09E+09	3.51E+09	1.27E+10	1.62E+10	1.63E+10	25.6	3.34	12.3
7.24E+08	4.56E+08	98000000	2.31E+09	3.08E+09	1.33E+10	10400000	0.16	0.23	7.1
6.94E+08	4.55E+08	56600000	2.3E+09	3.06E+09	1.76E+10	1.26E+10	9.37	6.83	23.5
7.53E+08	4.06E+08	1.18E+08	2.36E+09	3.02E+09	1.26E+10	1.19E+10	11.4	7.29	22.7
8.02E+08	5.76E+08	1.22E+08	2.35E+09	3.14E+09	8.28E+09	1.18E+10	-3.67	7.14	24.9
7.31E+08	3.81E+08	1.66E+08	2.31E+09	3.15E+09	8.6E+09	9.79E+09	-21.5	10.2	25.6
2.72E+09	7.12E+08	5.4E+08	7.12E+09	1.13E+10	3.3E+10	2660000	0.35	-16.1	4.92
2.77E+09	6.09E+08	4.1E+08	8.79E+09	1.3E+10	4.7E+10	1.76E+10	35.4	8.37	24
2.28E+09	1.45E+09	6.33E+08	8.62E+09	1.25E+10	1.91E+10	3E+10	6.89	4.21	21.4
2.51E+09	8.6E+08	6.02E+08	8.96E+09	1.26E+10	1.89E+10	4.64E+10	-50.3	6.42	18.3
2.68E+09	7.53E+08	5.96E+08	8.68E+09	1.21E+10	1.94E+10	2.04E+10	50.5	3.96	19.9
1.95E+08	1.32E+08	6700000	2.71E+08	5.32E+08	7.8E+09	9810000	1.71	-59.1	53.6
2.57E+08	1.79E+08	4860000	3.47E+08	6.51E+08	1.98E+10	4.49E+09	117.8	33.7	36.8
3.13E+08	2.18E+08	1.37E+08	4.39E+08	8.23E+08	1.26E+10	1.04E+10	191.4	39.4	39.5
5.68E+08	3.89E+08	18400000	6.96E+08	1.37E+09	1.56E+10	2.74E+10	-38.4	41.1	38
7.5E+08	5.1E+08	20300000	8.78E+08	1.57E+09	1.37E+10	1.48E+10	70.9	54.8	41.5
5.35E+08	3.08E+08	14300000	8.88E+08	1.53E+09	4.56E+10	3250000	0	-40.1	11.8
6.61E+08	5.84E+08	12400000	1.04E+09	1.73E+09	3.99E+10	2E+10	194.8	19.6	34.9

5.93E+08	3.56E+08	23400000	1.02E+09	1.74E+09	2E+10	6.33E+10	-40.5	31.5	38.1
5.38E+08	3.29E+08	66100000	9.87E+08	1.67E+09	1.04E+10	3.32E+10	-38.2	18	34.1
4.37E+08	2.62E+08	0	9.46E+08	1.69E+09	8.13E+09	1.74E+10	-34.8	15.1	32.3
9.75E+08	4.24E+08	4.21E+08	1.6E+09	9.34E+09	7.32E+09	10900000	0	-11.4	8.59
1.12E+09	5.14E+08	5.35E+08	1.79E+09	9.43E+09	1.02E+10	9.83E+09	-10.1	10.2	10.4
1.05E+09	4.51E+08	1.02E+09	1.71E+09	9.42E+09	5.95E+09	9.45E+09	59.4	12.9	11.9
8.33E+08	4.79E+08	5.58E+08	1.55E+09	9.88E+09	6.24E+09	1.23E+10	-39.6	10.9	11.2
9.98E+08	3.94E+08	4.92E+08	1.68E+09	9.52E+09	7.26E+09	7.63E+09	47.1	10.7	8.43
4.07E+09	2.24E+08	0	1.01E+10	4.53E+10	1.54E+10	16300000	0.2	86.6	17.6
4.87E+09	1.73E+09	0	1.02E+10	4.07E+10	1.79E+10	1.19E+10	-13	0.88	8.98
3.55E+09	1.11E+09	0	8.25E+09	3.88E+10	1.42E+10	8.63E+09	13	6.34	12
5.33E+09	2.52E+09	0	1.02E+10	4.57E+10	1.91E+10	5.32E+09	19	4.75	9.24
6.34E+09	4.54E+09	0	1.13E+10	4.22E+10	3.48E+10	1.08E+09	31.3	10.6	11.7
2.18E+09	-1.74E+09	1.24E+09	6.43E+09	6E+10	9.02E+09	12700000	0.66	7.36	15.1
3E+09	3.39E+09	8.82E+08	7.33E+09	6.9E+10	1.46E+10	3.08E+10	-15.4	-9.11	3.63
3.61E+09	4.25E+09	7.52E+08	8.15E+09	7.33E+10	1.5E+10	3.02E+10	63.2	21.1	4.35
2.94E+09	3.2E+09	9.97E+08	7.57E+09	5.14E+10	2.45E+10	3.52E+10	35.3	23.2	4.92
2.94E+09	3.34E+09	1.2E+09	7.65E+09	4.8E+10	2.56E+10	3.57E+10	47.1	15.1	5.72
4.49E+08	1.88E+08	0	1.76E+09	2.19E+09	3.84E+09	8660000	0	6.34	10.7
2.42E+08	40500000	0	1.57E+09	1.85E+09	4.07E+09	9.41E+09	-32.1	6.49	20.5
3.75E+08	1.52E+08	0	1.43E+09	1.63E+09	3.24E+09	8.06E+09	19.5	1.6	13.1
3.42E+08	1.46E+08	0	1.42E+09	1.6E+09	2.95E+09	7.85E+09	0.74	7.63	23
3.76E+08	1.66E+08	82900000	1.4E+09	1.61E+09	2.93E+09	7.21E+09	8.41	8.24	21.3
6.78E+08	-9.54E+08	6.9E+08	5.86E+09	2.75E+10	3.29E+09	16800000	0.46	-28.9	7.77
1.67E+09	6.6E+08	8.83E+08	5.94E+09	2.68E+10	5.63E+09	5.77E+09	-26.2	-8.39	2.47
1.92E+09	1.18E+09	7.71E+08	6.08E+09	2.77E+10	4.16E+09	5.65E+09	27.9	6.61	6.24
2.45E+09	1.45E+09	6.18E+08	6.98E+09	3.33E+10	6.08E+09	5.36E+09	13.6	11.9	6.93
2E+09	8.45E+08	6.41E+08	6.77E+09	3.15E+10	4.55E+09	4.54E+09	51.6	13.5	7.34
1.5E+09	6.23E+08	0	4.37E+09	1.16E+10	1.05E+10	17700000	0.02	-4.42	6.56
1.31E+09	6.29E+08	6.97E+08	3.18E+09	9.22E+09	9.15E+09	1.11E+10	-1.63	11.2	12.8
9.97E+08	5.96E+08	5.87E+08	2.31E+09	7.9E+09	5.81E+09	1.15E+10	-5.51	11.7	14.3
9.61E+08	4.76E+08	4.08E+08	2.27E+09	7.78E+09	6.82E+09	9.34E+09	-1.75	11.1	12.6
8.68E+08	3.14E+08	3.38E+08	2.15E+09	7.3E+09	6.28E+09	7.66E+09	-0.62	9.13	12.3
-25600000	-44200000	5930000	6.61E+08	8.87E+08	6.59E+09	2550000	0.99	-31.4	22.9
24400000	-9720000	2680000	7.99E+08	1.12E+09	8.61E+09	2.31E+09	104.7	-12.2	-2.89
36000000	-27600000	5820000	7.82E+08	1.21E+09	2.62E+09	6.07E+09	28.1	-3.23	2.17
1.47E+08	1.17E+08	1600000	8.81E+08	1.28E+09	3.21E+09	7.36E+09	-53.9	-9.42	2.97
1.51E+08	1.04E+08	1720000	8.41E+08	1.2E+09	2.28E+09	2.79E+09	-3.2	32	11.5
2.6E+09	-6.79E+08	2.29E+09	8.59E+09	3.11E+10	7.96E+09	7710000	0.32	-7.44	6.21
5.49E+09	1.41E+09	2.13E+09	9.6E+09	3.3E+10	1.17E+10	3.33E+10	-23.6	-2.88	8.37
2.67E+09	5.47E+08	1.91E+09	8.57E+09	3.4E+10	6.42E+09	3.15E+10	36.5	12.6	16.6
5.36E+09	1.3E+09	1.91E+09	8.79E+09	3.17E+10	8.01E+09	3.08E+10	-19.6	5.93	7.87
3.24E+09	4.78E+08	1.99E+09	7.94E+09	2.85E+10	7.73E+09	2.61E+10	26.2	11.5	16.9

4.69E+09	3.21E+09	3.73E+09	1.55E+10	1.21E+11	3.28E+10	14100000	0.46	15.6	11.8
6.82E+09	5.63E+09	3.33E+09	1.66E+10	1.4E+11	4.67E+10	9.73E+10	-12.4	5.86	3.88
1.02E+10	9.47E+09	3.29E+09	1.98E+10	1.61E+11	3.97E+10	1.01E+11	43.7	9.52	4.86
7.22E+09	6.54E+09	3.63E+09	1.71E+10	1.42E+11	6.46E+10	1.05E+11	17.3	16.4	6.35
4.22E+09	6.96E+09	2.72E+09	1.29E+10	1.2E+11	7.39E+10	9.48E+10	57.8	11	5.09
4.19E+09	1.65E+09	1.77E+09	1.12E+10	4.02E+10	2.75E+10	10700000	0.51	34.4	9.72
4.29E+09	2.03E+09	1.18E+09	1.11E+10	3.85E+10	2.85E+10	2.94E+10	3.9	6.79	10.4
3.32E+09	1.47E+09	1.11E+09	1.01E+10	3.69E+10	1.92E+10	3.13E+10	-6.33	8.88	11.1
3.76E+09	1.85E+09	1.27E+09	1.09E+10	3.7E+10	2.39E+10	2.46E+10	-9.94	6.72	9
3.95E+09	2.21E+09	1.2E+09	1.06E+10	3.48E+10	3.24E+10	1.97E+10	52.2	8.15	10.1
3.12E+09	1.46E+09	3.27E+09	3.11E+09	1.21E+10	1.99E+10	11900000	0.24	13.3	8.36
3.05E+09	1.16E+09	2.66E+09	3.07E+09	1.16E+10	2.02E+10	4.9E+10	-20.7	8.32	25.7
3.06E+09	1.3E+09	2.4E+09	3.08E+09	1.02E+10	1.66E+10	4.59E+10	-3.77	7.42	26.3
2.43E+09	9.94E+08	2.6E+09	2.51E+09	9.92E+09	1.61E+10	4.22E+10	7.31	8.98	29.8
2.68E+09	1.25E+09	0	2.78E+09	1.03E+10	1.88E+10	3.95E+10	13.6	5.88	24.6
4.57E+09	-1.06E+08	1.74E+09	5.87E+09	3.67E+10	7.18E+09	3750000	0.24	169.7	12.1
2.03E+09	7.59E+08	1.09E+09	5.46E+09	3.25E+10	8.56E+09	2.56E+10	-25.7	-0.46	12.5
2.11E+09	9.86E+08	9.26E+08	5.64E+09	3.15E+10	1.14E+10	2.24E+10	-15.7	7.1	6.25
3.03E+09	1.43E+09	1.1E+09	6.29E+09	3.21E+10	1.74E+10	1.85E+10	96.8	8.94	6.7
3.17E+09	1.63E+09	1.39E+09	6.62E+09	3.14E+10	4.77E+10	2.11E+10	57.5	12	9.43
9.82E+08	-7E+08	0	1.7E+09	1.43E+10	2.39E+09	32000000	0.42	-1.72	8.71
9.98E+08	6.5E+08	0	1.77E+09	1.49E+10	2.53E+09	8.38E+09	-27.1	-10.5	6.89
9.16E+08	-1.16E+08	0	1.41E+09	1.32E+10	1.7E+09	7.65E+09	-8.99	13.6	6.68
4.05E+08	3.11E+08	0	1.09E+09	1.04E+10	2.07E+09	7.13E+09	5.52	-1.93	6.94
5.58E+08	3.46E+08	0	1.08E+09	1.24E+10	2.14E+09	5.64E+09	17.4	8.39	3.9
65100000	-2.5E+09	0	1.72E+09	1.51E+10	2.7E+09	4120000	-0.04	18.6	9.92
9.26E+08	-2.05E+08	0	2.77E+09	1.67E+10	4.74E+09	4.89E+09	-52.6	-36.6	0.43
1.74E+09	1.21E+09	0	3.86E+09	1.84E+10	4.86E+09	3.76E+09	47.9	-3.26	0
1.86E+09	9.98E+08	0	3.97E+09	1.93E+10	4.84E+09	5.04E+09	58.9	24.5	0
1.33E+09	5.42E+08	0	3.4E+09	1.73E+10	4.09E+09	4.88E+09	-12	16.7	9.64
0	3.12E+09	0	3.49E+10	3.49E+10	5.04E+10	10400000	0.2	52.4	8.91
0	1.37E+10	0	4.39E+10	4.39E+10	7E+10	0	-23.1	2.12	0
0	-6.15E+09	0	2.93E+10	2.93E+10	5.68E+10	0	37	9	0
0	1.1E+10	0	2.89E+10	2.89E+10	9.92E+10	0	42.3	-4.25	0
0	1.13E+10	0	3.94E+10	3.94E+10	1.24E+11	0	36.3	8.39	0
3.76E+09	2.47E+09	2.45E+09	7.43E+09	8.75E+10	2.62E+10	16000000	0.5	25	13.3
5.95E+09	6.69E+09	1.57E+09	8.97E+09	9.43E+10	3.69E+10	6.87E+10	-2.9	5.84	4.3
7.17E+09	8.51E+09	1.66E+09	1.04E+10	1.08E+11	3.44E+10	6.98E+10	44.1	16.4	6.31
5.39E+09	7.21E+09	1.95E+09	9.67E+09	9.41E+10	5.27E+10	7.36E+10	41.5	19.9	6.66
4.66E+09	6.29E+09	2.07E+09	8.15E+09	9.1E+10	6.13E+10	7.79E+10	37.5	15.2	5.73
1.35E+09	4.25E+08	0	2.71E+09	1.16E+10	4.86E+09	28900000	0.58	-17	5.99
1.96E+09	1.09E+09	8.22E+08	3.24E+09	1.32E+10	5.73E+09	8.78E+09	12.9	7.91	11.6
1.51E+09	5.68E+08	9.68E+08	3.03E+09	1.42E+10	3.59E+09	9.56E+09	2.15	19	14.8

1.04E+09	3.92E+08	9.14E+08	2.47E+09	1.22E+10	4.74E+09	8.68E+09	-3.72	10	10.6
1.22E+09	3.21E+08	8.27E+08	2.47E+09	1.15E+10	4.38E+09	8.83E+09	40.6	6.7	8.47
3.6E+09	1.75E+09	3.14E+09	4.53E+09	2.01E+10	1.63E+10	7260000	0.42	10.2	6.29
2.55E+09	1.34E+09	0	3.46E+09	1.74E+10	2.19E+10	5.29E+10	-19.2	7.1	17.9
3.22E+09	1.52E+09	0	3.94E+09	1.71E+10	1.83E+10	5.58E+10	5.56	5.71	14.6
3.36E+09	1.53E+09	0	4.12E+09	1.66E+10	2E+10	5.1E+10	6.08	7.17	18.8
2.89E+09	1.29E+09	0	3.66E+09	1.5E+10	2.43E+10	4.85E+10	43.1	7.14	20.2
5.9E+08	90800000	0	8.24E+08	4.64E+09	1.43E+09	30500000	0.72	7.66	21.5
8.78E+08	5.87E+08	0	1.06E+09	5.43E+09	1.63E+09	3.42E+09	29.4	5.34	12.7
5.25E+08	2.46E+08	0	7.79E+08	5.06E+09	1.15E+09	4.39E+09	-17.2	32.3	16.2
3.04E+08	45900000	0	5.49E+08	4.47E+09	1.48E+09	3.52E+09	-1.59	12.1	10.4
6.87E+08	4E+08	0	8.97E+08	4.43E+09	1.83E+09	2.95E+09	40.5	2.45	6.8
8.18E+08	4.7E+08	0	8.68E+08	9.88E+09	2.67E+09	38400000	0.96	21.9	17.5
9.93E+08	4.45E+09	0	1.12E+09	1.03E+10	7.51E+09	1.36E+10	4.13	7.86	8.27
1.48E+09	7.17E+09	0	1.78E+09	1.21E+10	7.1E+09	1.44E+10	171.1	56.2	9.62
1.48E+09	1.96E+09	0	1.63E+09	1.12E+10	1E+10	1.79E+10	15.6	61.1	12.2
1.72E+09	2.71E+09	0	1.92E+09	1.1E+10	1.2E+10	1.75E+10	37.3	13.2	13.3
0	3.87E+09	0	2.38E+10	2.38E+10	3.11E+10	25700000	0.12	60.5	8.73
0	5.17E+09	0	2.18E+10	2.18E+10	3.35E+10	0	-22.3	4.49	0
0	4.51E+09	0	2.23E+10	2.23E+10	2.73E+10	0	11.9	6.59	0
0	4.64E+09	0	2.14E+10	2.14E+10	4.27E+10	0	26.9	6.54	0
0	5.67E+09	0	2.44E+10	2.44E+10	5.34E+10	0	30	6.94	0
4.21E+09	2.06E+09	2.44E+09	5.88E+09	1.53E+10	4.45E+10	8770000	0.79	-14.5	8.09
4.89E+09	2.7E+09	1.5E+09	6.49E+09	1.55E+10	4.85E+10	3.86E+10	38.2	12.2	27.4
3.95E+09	2.09E+09	1.35E+09	5.57E+09	1.34E+10	3.02E+10	5.64E+10	-1.75	15.8	31.4
2.93E+09	1.54E+09	1.65E+09	4.33E+09	1.13E+10	3.19E+10	4.79E+10	-28.1	12.3	29.4
2.91E+09	1.32E+09	1.2E+09	4.41E+09	1.1E+10	3.37E+10	2.86E+10	36.3	8.94	25.9
1.9E+09	1.02E+09	6.01E+08	8.12E+09	2.87E+10	1.37E+10	8570000	0.31	64.3	9.54
1.46E+09	1.04E+09	4.93E+08	7.68E+09	2.65E+10	1.39E+10	1.64E+10	22.6	10	6.62
2.46E+09	1.08E+09	4.12E+08	6.93E+09	2.42E+10	8.98E+09	1.91E+10	-4.15	9.47	5.53
2.62E+09	8.67E+08	4.87E+08	7.15E+09	2.44E+10	1.34E+10	1.67E+10	-12.7	9.47	10.2
2.61E+09	1.19E+09	4.68E+08	6.6E+09	2.17E+10	2.3E+10	1.34E+10	80.2	7.22	10.8
1.26E+09	5.45E+08	22700000	2.17E+09	2.84E+09	2.47E+10	7550000	0.51	-7.51	14.1
8.93E+08	9.98E+08	13800000	1.76E+09	2.38E+09	1.52E+10	7.39E+09	119.3	8.21	44.4
8.78E+08	7.61E+08	21200000	1.88E+09	2.68E+09	1.43E+10	2.28E+10	-30.1	14.4	37.4
9.99E+08	5.01E+08	24200000	2.02E+09	3E+09	1.51E+10	1.26E+10	33.2	11.7	32.7
9.44E+08	8.58E+08	23100000	1.79E+09	2.84E+09	1.46E+10	1.52E+10	-13.3	8.01	33.3
8.33E+08	2.13E+08	0	1.1E+09	4.18E+09	4.49E+09	14500000	0	19.4	6.85
1.14E+09	5.1E+08	0	1.39E+09	4.39E+09	5.17E+09	6.59E+09	-16.4	4.41	19.9
9.79E+08	5.77E+08	0	1.23E+09	4.2E+09	3.94E+09	6.27E+09	22.1	11.3	25.9
8.22E+08	2.65E+08	0	1.05E+09	4.02E+09	3.71E+09	5.93E+09	-13.7	12.9	23.3
8.7E+08	3.03E+08	0	1.1E+09	3.89E+09	3.66E+09	4.39E+09	0.45	5.74	20.4
8.08E+08	2.31E+08	5.23E+08	2.03E+09	1.14E+10	4.2E+09	33100000	0	6.57	5.42

7.84E+08	3.55E+08	4.31E+08	1.86E+09	1.07E+10	3.59E+09	5.42E+09	0.67	5.26	7.07
4.2E+08	2.31E+08	4.22E+08	1.29E+09	9.15E+09	2.48E+09	5.84E+09	-8.81	8.87	7.36
5.09E+08	1.91E+08	4.97E+08	1.42E+09	9.02E+09	3.02E+09	4.97E+09	-11.2	4.45	4.58
4.63E+08	1.76E+08	2.73E+08	1.37E+09	8.65E+09	3.53E+09	4.26E+09	30.1	5.53	5.64
4.78E+08	66000000	3.64E+08	1.13E+09	6.97E+09	4.06E+09	8350000	0.1	-9.97	1.68
7.34E+08	1.77E+08	2.81E+08	1.46E+09	7.38E+09	3.44E+09	6.65E+09	-13.9	-1.19	6.85
6.38E+08	1.17E+08	3.34E+08	1.4E+09	7.07E+09	2.62E+09	6.34E+09	-17.6	3.43	9.95
6.06E+08	86600000	3.62E+08	1.24E+09	5.86E+09	2.59E+09	5.12E+09	-5.01	2.76	9.02
4.61E+08	49000000	2.56E+08	1.07E+09	5.07E+09	2.23E+09	4.47E+09	8.84	2.56	10.3
2.82E+08	-5.44E+08	2.91E+08	7.73E+08	5.39E+09	9.75E+08	2900000	0.6	-2.04	-1.55
3.94E+08	1170000	1.41E+08	9.15E+08	5.48E+09	1.14E+09	4.28E+09	-23.2	-27.9	5.23
4.25E+08	61400000	1.43E+08	9.24E+08	5.64E+09	8.93E+08	4.49E+09	-9.43	0.81	7.19
4.57E+08	1.33E+08	1.48E+08	9.67E+08	5.85E+09	9.25E+08	3.59E+09	10	4.65	7.53
4.44E+08	34100000	1.57E+08	9.35E+08	5.29E+09	8.84E+08	3.2E+09	-1.52	8.47	7.81
2.68E+10	8.62E+09	1.76E+10	3.45E+10	1.14E+11	7.8E+10	720000	0.05	-8.3	0
2.41E+10	9.69E+09	1.53E+10	2.03E+10	1.05E+11	1E+11	1.53E+11	-4.04	11.5	23.5
2.52E+10	8.97E+09	1.35E+10	1.33E+10	9.71E+10	9.56E+10	1.49E+11	19.1	14	22.9
2.41E+10	8.45E+09	1.41E+10	1.27E+10	9.42E+10	9.91E+10	1.66E+11	19.4	14.2	26
2.33E+10	7.12E+09	1.38E+10	2.51E+10	8.72E+10	8.09E+10	1.67E+11	14.5	12.9	25.6
5.02E+08	1.89E+08	0	9.58E+08	5.55E+09	3.35E+09	6270000	0	19.9	10.2
4.51E+08	1.95E+08	0	8.78E+08	5.13E+09	3.25E+09	3.94E+09	13.7	10.7	9.04
4.03E+08	1.67E+08	0	8.01E+08	4.93E+09	2E+09	4.54E+09	-8.14	11.2	8.79
4.29E+08	1.76E+08	0	8.4E+08	4.79E+09	2.74E+09	3.62E+09	8.04	10.6	8.17
4.11E+08	1.59E+08	0	8.08E+08	4.46E+09	3.48E+09	3.61E+09	20.8	10.6	8.95
2.1E+09	9.04E+08	9.23E+08	3.32E+09	1.51E+10	5.88E+10	8690000	0.88	0.26	6.67
2.32E+09	1.2E+09	8.54E+08	3.51E+09	1.6E+10	6.45E+10	4.36E+10	73	8.96	13.9
2.05E+09	1.02E+09	8.7E+08	3.19E+09	1.67E+10	3.2E+10	7.78E+10	4.16	12.4	14.5
1.98E+09	6.61E+08	9.38E+08	3.36E+09	1.63E+10	2.13E+10	7.19E+10	-49.4	10.2	12.3
1.96E+09	7.35E+08	7.25E+08	3.26E+09	1.62E+10	2.45E+10	3.34E+10	-16.7	6.37	12.1
-1.12E+08	-3.49E+08	1.64E+08	1.58E+09	4.58E+09	2.21E+09	12000000	0.16	17.4	2.09
7.08E+08	2.43E+08	1.54E+08	1.94E+09	4.61E+09	4.02E+09	2.38E+09	-51.6	-6.32	-2.44
5.84E+08	3.27E+08	1.53E+08	2.05E+09	4.47E+09	3.41E+09	5.68E+08	90.5	4.93	15.4
5.42E+08	2.16E+08	2.12E+08	2.15E+09	4.97E+09	3.28E+09	1.97E+09	-5.16	7.05	13.1
3.73E+08	88200000	3.49E+08	1.97E+09	4.46E+09	4.33E+09	1.58E+09	18.7	4.57	10.9
6.01E+09	4.25E+09	0	9.15E+09	1.64E+10	6.49E+10	13900000	0.39	25.9	12.4
5.24E+09	4.09E+09	0	8.13E+09	1.45E+10	5.16E+10	3.97E+10	49.7	27.1	36.7
4.1E+09	3.46E+09	0	6.9E+09	1.27E+10	4.69E+10	6.25E+10	-18.5	25.7	36.1
4.04E+09	3.51E+09	0	6.85E+09	1.21E+10	4.78E+10	4.19E+10	3.11	22.3	32.4
2.13E+09	2.03E+09	0	4.72E+09	7.84E+09	6.15E+10	3.63E+10	33	21.3	33.5
4.01E+08	1.48E+08	2.44E+08	4.99E+08	2.35E+09	1.89E+09	38100000	0.18	11.2	2.57
5.14E+08	2.42E+08	3.05E+08	7.14E+08	2.54E+09	2.46E+09	2.22E+09	-7.58	3.25	17
4.12E+08	2.14E+08	4.55E+08	6.49E+08	2.46E+09	1.59E+09	2.14E+09	30.7	5.78	20.3
1.8E+08	-1.86E+08	2.06E+08	2.36E+08	1.99E+09	1.7E+09	2.04E+09	-20.5	5.54	16.7

2.19E+08	76900000	1.09E+08	3.46E+08	1.9E+09	1.87E+09	1.59E+09	29.3	-5.16	9.07
1.26E+09	2.93E+08	0	1.7E+09	1.95E+10	5.2E+09	19400000	0.58	-10.4	3.9
0	0	0	0	0	5.65E+09	7.9E+09	7.94	5.36	6.44
2.12E+09	8.21E+08	3.34E+08	2.09E+09	1.99E+10	4.45E+09	8.86E+09	-0.29	0	0
1.61E+09	2.63E+08	3.74E+08	1.61E+09	1.59E+10	4.49E+09	6.57E+09	9.12	0	10.7
1.55E+09	2.02E+08	3.67E+08	1.41E+09	1.64E+10	4.25E+09	4.83E+09	6.29	4.4	10.1
5.96E+09	-1.92E+09	4.4E+09	4.78E+09	4.74E+10	8.86E+09	6460000	0.93	-1.49	9.1
8.95E+09	5.2E+09	3.91E+09	9.84E+09	5.49E+10	1.61E+10	3.79E+10	-19.7	-6.27	12.6
8.74E+09	4.9E+09	3.61E+09	9.92E+09	5.94E+10	1.27E+10	3.89E+10	41.5	19	16.3
7.32E+09	4.38E+09	3.44E+09	9.58E+09	6.14E+10	2.01E+10	3.68E+10	22	16.8	14.7
6.18E+09	2.99E+09	0	8.73E+09	5.58E+10	2.1E+10	3.63E+10	40.9	13.5	11.9
1.64E+09	6.27E+08	0	2.07E+09	1.51E+10	3.09E+09	35400000	1.02	20.6	17.2
2.75E+09	6.77E+09	0	3.47E+09	1.86E+10	1.21E+10	1.31E+10	21.3	13.1	10.8
3.22E+09	9.38E+09	0	4.01E+09	2.01E+10	9.1E+09	1.33E+10	264.7	83.5	14.8
2.33E+09	1.74E+09	0	3.04E+09	1.67E+10	1.26E+10	1.98E+10	6.51	66.1	16
2.32E+09	2.99E+09	0	2.91E+09	1.64E+10	1.5E+10	1.78E+10	40.5	10.1	13.9
4.97E+08	3.06E+08	81300000	8.37E+08	2.01E+09	7.56E+09	10700000	0.31	-10.1	19.5
5.48E+08	3.54E+08	73300000	8.82E+08	1.84E+09	7.85E+09	5.95E+09	40.6	17.4	24.8
5.06E+08	3.33E+08	1.27E+08	8.27E+08	1.71E+09	6.27E+09	8.81E+09	3.41	21.3	29.7
4.21E+08	2.58E+08	1.37E+08	7.31E+08	1.59E+09	5.63E+09	8.09E+09	-13.5	21.3	29.6
4.47E+08	2.78E+08	1.06E+08	7.28E+08	1.57E+09	4.73E+09	5.94E+09	-4.74	16.7	26.5
3.73E+08	-1E+10	1.18E+10	9.82E+09	7.45E+10	1.37E+10	9850000	0	-13.4	2.23
3.99E+09	1.05E+09	1.04E+10	1.19E+10	7.56E+10	1.98E+10	8.49E+10	-12	-22.7	0.5
5.13E+09	9.8E+08	7.56E+09	1.21E+10	7.41E+10	1.22E+10	8.1E+10	-0.75	3.32	5.28
6.49E+09	3.07E+09	1.11E+10	1.45E+10	8.7E+10	1.49E+10	7.12E+10	-24.8	2.94	6.92
3.3E+09	6.77E+08	1.21E+10	1.12E+10	8.05E+10	9.87E+09	5.92E+10	32.6	7.47	7.45
6.01E+08	1.81E+08	0	1.86E+09	6.68E+09	4.46E+09	10100000	-0.07	-2.98	6.67
5.16E+08	1.82E+08	0	1.38E+09	5.83E+09	4.69E+09	5.71E+09	-13.9	4.6	9
4.44E+08	-1.79E+08	0	1.18E+09	5.87E+09	3.24E+09	5.06E+09	1.04	5.1	8.86
5.27E+08	2.98E+08	0	1.29E+09	6.03E+09	4.21E+09	4.4E+09	-0.3	-5.17	7.56
0	2.08E+08	0	1.2E+09	5.44E+09	3.5E+09	4.04E+09	14.9	9.38	8.75
3.82E+08	1.28E+08	0	1.24E+09	6.4E+09	1.19E+09	5140000	0.01	18.5	9.41
4.14E+08	1.55E+08	0	1.02E+09	5.95E+09	1.76E+09	3.92E+09	-34.7	7.64	5.97
3.48E+08	1.46E+08	0	8.82E+08	5.66E+09	1.12E+09	3.32E+09	27.5	9.76	6.96
3.46E+08	1.63E+08	0	8.67E+08	5.78E+09	1.49E+09	3.17E+09	1.1	9.45	6.14
3.34E+08	1.47E+08	0	8.44E+08	5.53E+09	1.88E+09	2.83E+09	38.3	9.89	5.98
1.54E+09	8.73E+08	0	3.85E+09	6.75E+09	2.32E+10	10400000	0	-1.3	0
1.28E+09	8.01E+08	0	3.72E+09	6.88E+09	2.06E+10	1.66E+10	25.5	15.4	22.8
1.13E+09	6.26E+08	0	3.06E+09	5.98E+09	1.05E+10	2.14E+10	-20.3	13.6	18.6
0	0	0	0	0	1.22E+10	1.63E+10	-1.02	11.7	18.9
1.03E+09	5.6E+08	0	3.03E+09	5.96E+09	1.42E+10	1.47E+10	10.7	0	0
1.27E+09	5.78E+08	5.48E+08	2.26E+09	7.14E+09	1.03E+10	8900000	0.56	27	12.9
1.5E+09	8.08E+08	4.87E+08	2.55E+09	7.31E+09	1.15E+10	6.32E+09	49.4	8.59	17.8

1.6E+09	8.72E+08	5.03E+08	2.7E+09	7.17E+09	7.7E+09	1.07E+10	-3.68	12.8	20.6
1.27E+09	6.74E+08	4.71E+08	2.19E+09	6.27E+09	9.33E+09	8.65E+09	-13.9	13.8	22.4
1.55E+09	8.25E+08	6.12E+08	2.44E+09	6.36E+09	1.16E+10	6.42E+09	37.9	10.3	20.3
0	2.66E+09	9.86E+08	1.16E+10	1.42E+10	1.36E+10	7150000	0.51	46	9.58
0	-3.77E+08	9.94E+08	7.88E+09	1.04E+10	1.49E+10	0	-3.27	9.8	0
0	8.83E+08	1.39E+09	7.77E+09	1.02E+10	9.64E+09	0	-7.94	-1.26	0
0	8.26E+08	1.02E+09	7.85E+09	1.02E+10	1.15E+10	0	-2.61	3.7	0
0	2.07E+09	0	9.49E+09	1.2E+10	1.55E+10	0	30.5	3.73	0
1.12E+09	5.67E+08	69400000	1.78E+09	5.26E+09	1.77E+10	4840000	0.55	13.6	22.7
1.3E+09	5.42E+08	44600000	1.82E+09	5.16E+09	2.34E+10	1.32E+10	58	19.9	21.3
1.13E+09	5.47E+08	96100000	1.79E+09	5.15E+09	1.35E+10	2.15E+10	33.6	19.9	25.2
1.16E+09	5.84E+08	64000000	1.81E+09	5.15E+09	1.47E+10	2.59E+10	-36.9	20.4	22
1.14E+09	5.75E+08	36200000	1.73E+09	4.8E+09	1.87E+10	1.49E+10	31.7	21.4	22.6
7.86E+08	3.66E+08	2.79E+08	2.83E+09	6.29E+09	1.45E+10	23900000	0.96	-18.7	1.1
9.28E+08	4.71E+08	2.6E+08	2.96E+09	6.47E+09	1.92E+10	1.1E+10	43.3	7.22	12.5
9.18E+08	5.09E+08	3.17E+08	2.86E+09	6.39E+09	9.18E+09	1.63E+10	24.6	9.16	14.4
5.92E+08	2.21E+08	3.39E+08	2.59E+09	6E+09	7.02E+09	1.78E+10	-44.1	10.1	14.4
4.8E+08	47300000	3.1E+08	2.23E+09	5.03E+09	7.99E+09	9E+09	2.78	2.87	9.87
6.26E+09	1.94E+09	7.42E+09	7.95E+09	2.16E+10	1.45E+10	21300000	0.71	28.3	9.84
6.48E+09	2.27E+09	7.8E+09	8E+09	2.17E+10	2.38E+10	5.57E+10	-12.5	6.71	29
5.43E+09	2.37E+09	7.77E+09	7.46E+09	2.01E+10	1.71E+10	5.31E+10	48.2	8.56	29.9
6.59E+09	2.11E+09	8.89E+09	8.11E+09	1.92E+10	2.08E+10	5.83E+10	-9.76	9.66	27
5.89E+09	2.54E+09	0	7.72E+09	1.86E+10	2.45E+10	5.34E+10	25.4	8.3	34.3
1.38E+09	8.96E+08	0	2.17E+09	1.79E+10	5.97E+09	9470000	0.31	71.6	11
8.91E+08	5.73E+08	0	1.67E+09	1.62E+10	6.03E+09	8.85E+09	-26.9	10.7	7.71
6.21E+08	4.35E+08	0	1.38E+09	1.51E+10	4.55E+09	6.75E+09	0	7.24	5.5
7.5E+08	4.87E+08	0	1.54E+09	1.59E+10	6.14E+09	6.07E+09	12.1	6.05	4.12
9.85E+08	7.83E+08	0	1.7E+09	1.59E+10	8.91E+09	5.77E+09	22.2	6.55	4.71
3.83E+08	-2E+08	0	6.81E+08	4.01E+09	8.73E+09	8220000	0.48	-32.5	21.5
4.8E+08-41800000		0	7.19E+08	3.3E+09	7.84E+09	1.41E+10	27	-5.53	9.55
5.24E+08	53800000	0	7.7E+08	2.93E+09	4.36E+09	1.78E+10	-34.1	-1.36	14.5
6.4E+08	4.32E+08	0	8.57E+08	2.79E+09	5.08E+09	1.25E+10	-19.9	1.96	17.9
6.33E+08	5.97E+08	0	8.46E+08	2.73E+09	3.7E+09	9.66E+09	25.7	16.1	22.9
1.34E+09	3.58E+08	0	3.12E+09	1.33E+10	4.16E+09	6610000	0	11.3	5.52
1.62E+09	7.83E+08	0	3.07E+09	1.25E+10	4.9E+09	1.18E+10	-1.34	4.57	10
1.16E+09	4.55E+08	0	2.54E+09	1.27E+10	3.47E+09	1.18E+10	-5.11	11.3	13
1.14E+09	4.24E+08	0	2.37E+09	1.21E+10	4.19E+09	1.03E+10	-4.67	6.69	9.11
1.02E+09	3.74E+08	0	2.18E+09	1.14E+10	3.66E+09	9.4E+09	2.26	5.96	9.48
1.06E+08	22900000	0	3.42E+08	1.24E+09	1.52E+09	23600000	0.42	12.3	6.05
1.61E+08	72700000	0	4.02E+08	1.38E+09	1.5E+09	1.42E+09	-0.52	1.51	8.52
2.3E+08	1.42E+08	0	5.27E+08	1.65E+09	1.03E+09	1.39E+09	-11.3	4.79	11.7
2.42E+08	1.29E+08	0	5.27E+08	1.61E+09	1.28E+09	9.41E+08	-8.2	9.61	14
1.79E+08	87700000	0	4.33E+08	1.33E+09	1.24E+09	6.78E+08	29.3	8.48	15

1.35E+09	-56600000	3.51E+08	4.28E+09	6.94E+09	2.45E+10	4110000	0.47	16.2	13
1.78E+09	8.6E+08	3.62E+08	4.51E+09	6.89E+09	2.77E+10	2.13E+10	33.6	12.3	19.5
2.08E+09	1.03E+09	3.46E+08	4.72E+09	7.08E+09	2.66E+10	3E+10	17.4	22.8	25.8
9.43E+08	1.92E+09	3.41E+08	4.36E+09	6.5E+09	1.6E+10	3.08E+10	-11.2	25.4	29.3
1.28E+09	5.33E+08	2.73E+08	4.24E+09	6.32E+09	2.02E+10	2.37E+10	-13.2	5.88	14.5
1.52E+08	-3.63E+08	0	2.58E+08	2.05E+09	4.57E+10	3790000	0	-34.8	0
1.9E+08	-2.31E+08	0	2.26E+08	1.94E+09	5.15E+10	4.27E+10	14.5	-4.57	7.42
1.04E+09	5.25E+08	0	1.26E+09	3.31E+09	4.45E+10	5.33E+10	13.8	-3.49	9.79
1.53E+09	8.55E+08	0	1.75E+09	4.24E+09	5.19E+10	5.54E+10	-1.21	8.92	31.5
1.31E+09	7.39E+08	0	1.63E+09	4.18E+09	3.96E+10	4.76E+10	37	13.9	36
1.9E+09	6.26E+08	0	4.16E+09	1.31E+10	7.88E+09	24400000	-0.17	17.5	6
1.68E+09	5.91E+08	0	3.54E+09	1.26E+10	6.69E+09	1.22E+10	1	6.36	14.4
1.19E+09	6.22E+08	0	2.13E+09	1.62E+10	6.17E+09	1.39E+10	-9.99	6.61	13.4
2.48E+09	1.31E+09	0	3.26E+09	1.55E+10	7.57E+09	1.24E+10	12	6.76	7.36
1.64E+09	6.18E+08	0	2.4E+09	1.28E+10	8.6E+09	1.12E+10	38.3	12.4	16
2.82E+09	1.44E+09	0	9.53E+09	1.38E+10	2E+10	30500000	0.05	62.6	13.3
2.01E+09	1.09E+09	4.56E+08	8.71E+09	1.3E+10	2.14E+10	2.4E+10	-9.52	8.25	20.5
2.12E+09	1.02E+09	4.62E+08	8.86E+09	1.32E+10	1.72E+10	2.25E+10	-5.64	6.58	15.4
2.73E+09	8.63E+08	0	9.98E+09	1.43E+10	1.78E+10	1.79E+10	3.26	6.38	16.1
3.33E+09	2.18E+09	6.08E+08	1.06E+10	1.48E+10	3.23E+10	1.59E+10	22.9	5.34	19.1
4.47E+09	1.72E+09	2E+09	1.88E+10	6.4E+10	2.14E+10	11500000	0.73	17.7	7.61
5.46E+09	2E+09	2.32E+09	1.82E+10	6.3E+10	2.85E+10	3.1E+10	15.6	8.45	6.98
4.21E+09	1.69E+09	1.95E+09	1.67E+10	6.21E+10	1.67E+10	3.27E+10	6.26	8.91	8.67
4.45E+09	3.56E+09	3.35E+09	1.75E+10	6E+10	2.25E+10	3.26E+10	-12.2	7.02	6.78
4.29E+09	2.12E+09	4.78E+09	1.66E+10	5.47E+10	1.91E+10	2.48E+10	25.8	13.1	7.42
6.92E+08	2.23E+08	0	1.04E+09	3.37E+09	7.51E+09	16000000	0	-45	0.96
9.31E+08	5.78E+08	0	1.33E+09	3.77E+09	8.93E+09	5.72E+09	13.8	3.1	20.5
1.02E+09	6.55E+08	0	1.46E+09	3.82E+09	6.83E+09	6.41E+09	4.8	8.58	24.7
8.82E+08	4.08E+08	0	1.13E+09	3.35E+09	6.56E+09	6.41E+09	-8.98	10.1	26.6
5.29E+08	57700000	0	6.69E+08	2.91E+09	4.4E+09	4.69E+09	13.4	6.28	26.3
2.03E+08	-1.11E+09	2.71E+09	-1.2E+09	1.41E+10	1.32E+10	2130000	0.96	36.8	-11.1
-7.59E+08	-1.16E+09	2.49E+09	-2.47E+09	1.46E+10	1.73E+10	1.51E+10	6.31	-17	1.44
-5.32E+08	-2.83E+09	2.26E+09	-2.47E+09	1.46E+10	7.13E+09	9.1E+09	16.1	-15.6	-5.2
8.84E+08	-2.41E+09	1.38E+09	-1.16E+09	1.47E+10	7.83E+09	6.95E+09	-48.4	-37.8	-3.64
1.84E+09	-1E+09	5.34E+08	-1.56E+08	1.45E+10	1.3E+10	8.52E+09	5.37	-33.6	6.02
2.91E+09	1.27E+09	2.09E+08	1.11E+10	2.18E+10	6.26E+10	8130000	0.9	86.9	0
4.26E+09	2.28E+09	91900000	1.33E+10	2.37E+10	1.08E+11	6.2E+10	5.42	12.7	13.4
3.74E+09	2.24E+09	1.58E+08	1.48E+10	2.55E+10	4.95E+10	7.23E+10	61.4	21.6	18
3.21E+09	2.42E+09	1.04E+08	1.39E+10	2.41E+10	4.52E+10	9.67E+10	-40.1	20.2	14.7
3.46E+09	2.39E+09	49300000	1.31E+10	2.25E+10	9.24E+10	4.66E+10	42.8	19.3	13.3
1.46E+09	4.42E+08	2.16E+08	3.26E+09	6.93E+09	1.42E+10	7950000	0.56	-19.7	9.65
2.67E+09	1.11E+09	3.21E+08	4.73E+09	8.64E+09	2.38E+10	1.82E+10	43.9	7.35	21.1
3.92E+09	1.95E+09	5.02E+08	6.52E+09	1.14E+10	1.49E+10	2.35E+10	31.9	14.3	30.9



4.18E+09	2.39E+09	6.26E+08	5.92E+09	1.04E+10	2.47E+10	2.99E+10	-16.8	19.1	34.4
2.17E+09	1.39E+09	8.26E+08	4.79E+09	8.58E+09	2.6E+10	1.99E+10	115.4	19	40.1
0	1.39E+09	0	7.45E+09	7.45E+09	7.53E+09	7530000	0.15	59.7	0
0	1.34E+09	0	6.42E+09	6.42E+09	8.75E+09	0	-24.8	5.98	0
0	8.13E+08	0	5.96E+09	5.96E+09	8.92E+09	0	24.1	6.14	0
0	1.07E+09	0	5.46E+09	5.46E+09	1.24E+10	0	61.6	4.35	0
0	1.36E+09	0	5.92E+09	5.92E+09	1.54E+10	0	-0.93	5.94	0
5.67E+08	-7.39E+08	6.25E+08	1.54E+09	9.43E+09	2.46E+09	20700000	0.55	42.9	11.8
1.76E+09	-1.05E+08	5.88E+08	2.94E+09	1.23E+10	4.54E+09	5.78E+09	-24.2	-10.5	6.01
1.28E+09	2.34E+08	6.66E+08	2.3E+09	1.06E+10	2.61E+09	1.37E+10	9.92	0.35	14.3
7.5E+08	-1.35E+08	6.18E+08	1.75E+09	9.14E+09	2.94E+09	1.25E+10	-16.4	5.46	12.1
1.05E+09	4.68E+08	5.62E+08	1.98E+09	8.85E+09	4.4E+09	9.78E+09	39.1	-3.13	8.2
8.25E+08	-2.36E+08	5.38E+08	5.7E+09	1.65E+10	4.72E+09	10800000	0.18	67.3	4.09
8.8E+08	1.12E+08	3.03E+08	5.37E+09	1.53E+10	6.47E+09	1.66E+10	-43.2	-2.5	4.99
9.88E+08	2.63E+08	3.28E+08	5.31E+09	1.52E+10	4.39E+09	4.75E+09	58.2	1.5	5.74
8.64E+08	4.06E+08	3.59E+08	5.7E+09	1.63E+10	4.84E+09	6.18E+09	-5.98	0	0
7.39E+08	2.66E+08	3.39E+08	5.5E+09	1.58E+10	6.45E+09	6.29E+09	7.55	0	5.29
0	0	0	0	0	5.49E+09	3730000	0.24	52.5	15.9
5.31E+08	2.6E+08	0	1.98E+09	4.07E+09	5.16E+09	6.06E+09	-17.6	0	0
3.64E+08	1.48E+08	0	1.7E+09	3.66E+09	2.51E+09	5.55E+09	-16.7	0	13
4.65E+08	1.89E+08	0	1.97E+09	4.11E+09	3.63E+09	3.8E+09	-10.7	9.11	9.94
6.24E+08	3.1E+08	0	2.37E+09	4.63E+09	4.27E+09	3.05E+09	50.7	10.9	11.3
2.67E+08	79900000	52300000	7.81E+08	3.04E+09	2.54E+09	24000000	1.31	-20.5	25.8
5.33E+08	3.2E+08	52500000	1.05E+09	3.43E+09	4.32E+09	3.72E+09	1.47	4.35	8.77
6.57E+08	4.38E+08	1.22E+08	1.19E+09	3.46E+09	2.64E+09	3.6E+09	62.8	17	15.5
6.64E+08	4.27E+08	2.01E+08	1.2E+09	3.36E+09	4.62E+09	4.56E+09	-31.6	22.1	19
9.12E+08	6.07E+08	1.97E+08	1.45E+09	3.92E+09	6.47E+09	2.26E+09	182	19.8	19.8
2.01E+09	7.31E+08	0	3.25E+09	1.01E+10	1.84E+10	18900000	0.24	5.74	0
1.93E+09	8.16E+08	0	2.96E+09	9.11E+09	1.48E+10	1.64E+10	-2.66	7.35	19.8
1.5E+09	7.04E+08	0	2.55E+09	8.17E+09	1.24E+10	1.61E+10	-16.1	8.68	21.2
1.49E+09	7.13E+08	0	2.51E+09	8.11E+09	1.46E+10	1.11E+10	-5.55	8.11	18.3
1.34E+09	6.68E+08	0	2.29E+09	7.53E+09	1.48E+10	8.7E+09	34.6	8.41	18.4
28400000	16200000	0	91800000	3.07E+08	2.15E+09	900000	0	-49.1	18.5
59600000	33300000	0	1.41E+08	4.49E+08	4.02E+09	1.1E+09	79.3	11.5	9.25
59100000	34600000	0	1.62E+08	5.02E+08	2.75E+09	2.42E+09	66.7	17.7	13.3
90400000	41300000	0	2.13E+08	6.34E+08	3.09E+09	3.57E+09	-2.18	20.4	11.8
1.02E+08	39900000	0	2.5E+08	7.69E+08	1.78E+09	3.05E+09	53.5	21.8	14.2
1.54E+09	1.02E+09	0	2.43E+09	5.06E+09	3.52E+10	1.83E+08	0.63	-17.9	8.58
2.11E+09	1.59E+09	0	3.07E+09	6.1E+09	3.94E+10	2.6E+10	25.2	8.13	30.5
2.07E+09	1.73E+09	0	3.1E+09	6.16E+09	2.55E+10	3.49E+10	23.3	13	34.5
1.74E+09	1.33E+09	0	2.7E+09	5.53E+09	2.99E+10	3.88E+10	-28.4	14.3	33.5
1.42E+09	1.03E+09	0	2.26E+09	4.99E+09	2.79E+10	2.22E+10	36.3	10.7	31.4
2.65E+08	-1.56E+08	98800000	1.28E+09	4.21E+09	1.27E+09	14900000	0.07	33.8	4.09

2.43E+08	1.07E+08	1.04E+08	1.16E+09	3.8E+09	1.69E+09	4.15E+09	-22.8	-10.2	6.28
2.29E+08	41300000	61000000	1.06E+09	3.63E+09	1.7E+09	3.85E+09	9.64	7.85	6.4
2.59E+08	61900000	1.17E+08	1.11E+09	3.68E+09	2.68E+09	3.29E+09	50.3	3.34	6.32
2.87E+08	49100000	1.12E+08	1.05E+09	3.38E+09	3.75E+09	3.72E+09	89.6	5	7.03
9.09E+08	33900000	5.11E+08	3.26E+09	9.36E+09	3.98E+09	15200000	0.7	36.2	7.15
1.35E+09	6.27E+08	3.2E+08	3.6E+09	9.77E+09	6.15E+09	5.65E+09	-7.49	0.68	9.72
1.12E+09	6.99E+08	3.45E+08	3.43E+09	9.68E+09	4.57E+09	5.36E+09	35.3	12.9	13.8
8.24E+08	3.98E+08	3.68E+08	3.28E+09	9.42E+09	4.56E+09	5.71E+09	-7	14.1	11.6
8.13E+08	3.66E+08	3.67E+08	3.05E+09	8.56E+09	6.05E+09	4.37E+09	9.58	7.61	8.75
1.99E+09	1.18E+09	8.36E+08	4.52E+09	2.34E+10	1.12E+10	18200000	0.36	20.8	11.6
2.21E+09	1.34E+09	7.2E+08	4.59E+09	2.25E+10	1.4E+10	1.58E+10	-10	9.67	8.51
2.21E+09	1.42E+09	7.08E+08	4.49E+09	2.25E+10	1.1E+10	1.48E+10	17.6	11.4	9.82
2.05E+09	1.38E+09	5.26E+08	4.26E+09	2.12E+10	1.25E+10	1.47E+10	-5.49	12	9.84
2.37E+09	1.41E+09	4.95E+08	5.07E+09	2.62E+10	1.56E+10	1.46E+10	34.2	12	9.63
6.22E+09	1.72E+09	2.79E+09	2.22E+10	5.7E+10	2.68E+10	9150000	0.19	33.4	0
6.22E+09	1.97E+09	3.02E+09	2.26E+10	6.74E+10	3.7E+10	3.08E+10	-8.59	7.15	10.9
6.81E+09	1.94E+09	2.16E+09	2.29E+10	8.2E+10	3.3E+10	2.87E+10	38.2	8.08	9.24
7.01E+09	1.55E+09	2.17E+09	2.31E+10	7.83E+10	3.17E+10	5.45E+10	11.9	8.22	8.3
6.66E+09	7.05E+08	2.93E+09	1.12E+10	6.87E+10	3.78E+10	5.88E+10	-1.15	6.12	8.96
1.2E+09	84900000	3.91E+08	3.69E+09	2.26E+10	7.01E+09	2470000	0.76	-2.05	-72.8
1.37E+09	7.21E+08	3.57E+08	3.82E+09	2.17E+10	7.18E+09	1.46E+10	-7.18	2.71	5.33
7.82E+08	-31100000	3.44E+08	2.88E+09	1.95E+10	3.86E+09	1.49E+10	-15.5	21.5	6.31
3.3E+08	-1.78E+09	2.93E+08	2.32E+09	1.66E+10	3.97E+09	1.05E+10	-28.5	-0.53	4.02
3.72E+08	-9.9E+08	1.99E+08	2.46E+09	1.41E+10	3.94E+09	8.24E+09	6.4	-68	1.98
1.18E+09	7.78E+08	0	1.92E+09	1.44E+10	5.28E+09	7660000	0.24	33.7	9.24
6.36E+08	3.95E+08	0	1.29E+09	1.24E+10	5.4E+09	8.25E+09	-32.8	10.5	8.14
5.42E+08	3.47E+08	0	1.14E+09	1.36E+10	3.66E+09	6.35E+09	-4.93	5.74	5.12
32100000	47800000	0	6.09E+08	1.46E+10	5.14E+09	6.46E+09	-1.26	5.62	3.97
6.14E+08	5E+08	0	1.17E+09	1.2E+10	4.6E+09	6.27E+09	33	1.12	0.22
4.83E+09	2.72E+09	0	5.02E+09	1.41E+10	5.52E+10	13900000	1.14	-10.5	13.2
6.54E+09	3.77E+09	0	6.64E+09	1.64E+10	7.38E+10	3.59E+10	49.6	10.4	34.2
9.09E+09	5.5E+09	0	9.26E+09	2.09E+10	4.23E+10	6.29E+10	10.4	14.9	39.8
6.95E+09	3.8E+09	0	6.8E+09	1.75E+10	6.01E+10	6.17E+10	-18.5	21.2	43.5
6.1E+09	3.47E+09	2.86E+09	6.08E+09	1.6E+10	7.34E+10	3.87E+10	82.3	13.7	39.7
1.37E+09	1.14E+09	0	2.45E+09	2.95E+09	1.46E+10	9230000	0.13	-2.07	13
5.81E+08	8.41E+08	3.1E+08	2.05E+09	2.54E+09	1.96E+10	1.58E+10	-16.7	15.3	46.4
1.62E+09	1.52E+09	1.42E+08	2.99E+09	3.44E+09	1.38E+10	1.46E+10	44.2	11	22.9
1.2E+09	1.1E+09	86700000	2.59E+09	3.02E+09	1.34E+10	1.94E+10	-18.9	20.1	47.1
1.2E+09	1.07E+09	77200000	2.52E+09	2.91E+09	1.23E+10	1.36E+10	3.22	13.4	39.8
7.99E+08	-1.13E+08	5.46E+08	6.61E+09	8.92E+09	2.46E+10	9470000	0.5	-34.5	-1.44
9.68E+08	3.69E+08	6.3E+08	6.71E+09	8.99E+09	2.65E+10	2.92E+10	-8.3	-1.78	8.95
7.6E+08	2.59E+08	2.75E+08	5.64E+09	8.09E+09	1.39E+10	2.99E+10	-10.1	8.36	10.8
6.63E+08	1.54E+08	1.89E+08	5.06E+09	6.9E+09	1.29E+10	2.31E+10	0.89	6.3	9.39

4.2E+08-68800000	1.58E+08	4.79E+09	6.3E+09	8.83E+09	2.15E+10	-34.3	3.82	9.6
0 4.04E+08	0	1.93E+09	1.93E+09	3.84E+09	13700000	0	7.49	5.99
0 4.12E+08	0	1.91E+09	1.91E+09	4.56E+09	0	-7.58	3.91	0
0 3.15E+08	0	1.88E+09	1.88E+09	3.54E+09	0	8.73	4.32	0
0 3.75E+08	0	1.82E+09	1.82E+09	4.61E+09	0	28.3	3.77	0
0 4.47E+08	0	1.58E+09	1.58E+09	4.42E+09	0	13.3	4.73	0
0 0	0	0	0	0	0 4640000	0.59	-1.15	17.2
0 0	0	0	0	0	0	0	0	0
0 0	0	0	0	0 1.17E+09	0	0	0	0
3.25E+08	1.76E+08	78000000	7.52E+08	1.59E+09	3.51E+09	0	0	0
2.79E+08	1.42E+08	73100000	6.82E+08	1.25E+09	3.46E+09	1.08E+09	120.7	0
1.6E+10	4.56E+09	4.56E+09	2.37E+10	4.89E+10	5.51E+10	320000	0.08	13
1.06E+10	4.15E+09	6.12E+09	2.37E+10	4.84E+10	6.4E+10	1.01E+11	-11.4	30.3
1.42E+10	4.59E+09	4.51E+09	2.11E+10	4.45E+10	4.64E+10	1.04E+11	12.5	23.6
8.96E+09	3.05E+09	4.16E+09	2.02E+10	4.31E+10	5.33E+10	1.09E+11	2.3	22.9
1.07E+10	3.3E+09	3.69E+09	1.96E+10	4.06E+10	5.92E+10	9.65E+10	18.2	14
1.71E+10	1.57E+10	7.6E+09	2.77E+10	6.22E+10	1.22E+11	42500000	0.61	46
1.3E+10	2.02E+10	7.37E+09	2.77E+10	5.27E+10	9.26E+10	2.3E+11	69.4	10.2
1.23E+10	-2.28E+10	4.88E+09	2.55E+10	4.94E+10	6.23E+10	2.42E+11	-32.6	24.5
9.9E+09	-3.66E+09	4.62E+09	2.42E+10	4.75E+10	6E+10	2.31E+11	3.86	-24.5
9.23E+09	5.52E+09	4.22E+09	2.33E+10	4.49E+10	9.02E+10	1.81E+11	11.5	-1.36
-6.78E+08	3.88E+08	2.65E+08	5.92E+08	4.23E+09	2.63E+09	27800000	0.44	1.79
4.46E+08	6.28E+08	1.31E+08	1.63E+09	1.39E+10	3.8E+09	1.05E+10	-34.7	6.69
7.46E+08	9.79E+08	1.91E+08	2.06E+09	1.59E+10	3.39E+09	9.01E+09	50.3	11.4
1.04E+09	5.51E+08	1.94E+08	2.39E+09	1.76E+10	4.59E+09	1.04E+10	45.4	16.7
6.91E+08	6.47E+08	2.45E+08	2.19E+09	1.6E+10	4.55E+09	1.16E+10	26.7	8.85
2.98E+09	9.64E+08	0	8.7E+09	3.69E+10	1.33E+10	16700000	0.08	79.2
4.03E+09	2.09E+09	0	9.42E+09	3.57E+10	1.51E+10	8.48E+09	-2.95	5.38
1.92E+09	5.97E+08	0	6.98E+09	3.51E+10	1.38E+10	8.9E+09	16.4	12.1
4.95E+09	2.67E+09	0	1E+10	3.38E+10	1.4E+10	7.4E+09	20.6	4.18
4.33E+09	3.02E+09	0	9.46E+09	3.28E+10	2.08E+10	9.24E+09	17.7	17.5
1.52E+10	9.45E+09	4.7E+09	2.28E+10	8.25E+10	1.02E+11	8050000	0.78	25.6
1.21E+10	7.28E+09	3.97E+09	2.28E+10	8.59E+10	1.43E+11	9.99E+10	39	19.2
1.25E+10	7.4E+09	4.07E+09	2.38E+10	7.73E+10	8.22E+10	1.36E+11	40.7	13.1
1.1E+10	6.54E+09	4.46E+09	2.27E+10	8.92E+10	1.01E+11	1.72E+11	-30.7	13.9
1.11E+10	7.21E+09	4.47E+09	2.33E+10	8.5E+10	1.09E+11	1.17E+11	33.6	13.1
3.49E+09	1.12E+09	1.18E+09	5.3E+09	2.84E+10	1.4E+10	20800000	0.1	9.09
2.65E+09	5.66E+08	9.67E+08	4.29E+09	2.4E+10	1.5E+10	1.36E+10	-24	6.79
3.51E+09	1.23E+09	8.81E+08	5.12E+09	2.69E+10	1.18E+10	1E+10	-0.27	3.66
4.63E+09	2.45E+09	1.2E+09	6.61E+09	3.17E+10	1.29E+10	9.32E+09	-1.43	8.28
4.43E+09	2.57E+09	1.17E+09	6.43E+09	3.02E+10	1.33E+10	6.49E+09	27.5	15.6
8.2E+08	2.47E+08	5.21E+08	6.32E+08	2.82E+09	4.41E+09	10700000	0.93	-44.1
9.06E+08	3.57E+08	5.89E+08	6.96E+08	2.92E+09	6.64E+09	6.11E+09	23.9	8.23

1.29E+09	5.32E+08	9.51E+08	1.09E+09	3.34E+09	4.42E+09	7.51E+09	3.8	10.1	31.1
1.03E+09	4.53E+08	1.82E+09	7.68E+08	3.02E+09	4.49E+09	7.95E+09	-25.2	14.7	38.4
7.26E+08	1.26E+08	1.57E+09	4.63E+08	2.52E+09	3.4E+09	4.08E+09	20.3	11.8	34
2.87E+09	1.48E+08	1.16E+09	7.26E+09	2.15E+10	5.32E+09	3760000	0.37	1.45	-19.9
2.76E+09	1.37E+09	9.53E+08	7.63E+09	2.33E+10	8.03E+09	1.7E+10	-16.7	3.08	13.4
1.84E+09	6.73E+08	1.03E+09	6.75E+09	2.26E+10	5.52E+09	2.14E+10	30.6	11.3	11.8
-5.54E+08	-1.16E+09	1.08E+09	3.87E+09	1.73E+10	4.16E+09	2.03E+10	-12.5	4.25	8.12
-3.74E+08	-1.1E+09	9.09E+08	3.97E+09	1.62E+10	4.4E+09	1.63E+10	-27.4	-15.6	-3.19
1.91E+09	-1.49E+09	7.12E+08	7.35E+09	4.51E+10	1.37E+10	23400000	0.51	11.4	9.4
3.45E+09	2.57E+09	5.89E+08	8.07E+09	4.6E+10	1.77E+10	4.78E+10	-15.9	-4.97	4.22
4E+09	4.5E+09	5.24E+08	9.07E+09	5.02E+10	1.59E+10	4.6E+10	24.5	11.4	7.49
3.57E+09	3.58E+09	5.2E+08	9.08E+09	4.83E+10	2.42E+10	4.44E+10	29.1	18	7.96
3.54E+09	2.54E+09	7.04E+08	9.03E+09	4.56E+10	2.63E+10	4.39E+10	40.1	13	7.39
2.6E+09	2.24E+08	0	4.88E+09	2.76E+10	8.54E+09	17400000	0.42	58.9	8.81
2.67E+09	9.2E+08	0	5.12E+09	2.86E+10	1.03E+10	1.74E+10	-17.3	1.85	9.41
2.51E+09	7.6E+08	0	4.71E+09	2.91E+10	8.03E+09	1.64E+10	9.73	6.53	9.34
3.11E+09	9.53E+08	0	5.33E+09	3.06E+10	8.22E+09	1.64E+10	0.33	5.62	8.62
3.17E+09	1.18E+09	0	5.4E+09	2.94E+10	1.21E+10	1.56E+10	19.3	7.39	10.2
8.21E+08	2.96E+08	0	1.83E+09	8.13E+09	2.6E+09	34200000	0.42	-8.72	1.33
7.78E+08	2.99E+08	0	1.77E+09	8.08E+09	3.15E+09	3.63E+09	-18.7	6.75	10.1
7.53E+08	58500000	3.7E+08	1.91E+09	8.64E+09	2.31E+09	3.63E+09	9.54	6.91	9.62
7.86E+08	2.32E+08	2.8E+08	1.81E+09	7.67E+09	2.78E+09	3.18E+09	-5.2	0	8.72
5.88E+08	49100000	3.03E+08	1.63E+09	6.81E+09	2.7E+09	2.8E+09	34.5	5.43	10.2
1.1E+09	5.29E+08	4.23E+08	1.19E+09	8.72E+09	8.47E+09	40900000	0	-14.9	1.2
2.02E+09	1.9E+09	3.96E+08	2.01E+09	1.02E+10	1.07E+10	1.22E+10	29.2	4.77	12.6
2.18E+09	2E+09	6.89E+08	2.3E+09	1.07E+10	7.75E+09	1.54E+10	-5	18.2	19.7
9.52E+08	4.69E+08	9.82E+08	1.03E+09	1.02E+10	7.64E+09	1.34E+10	7.38	17.2	20.3
5.75E+08	1.9E+08	8.71E+08	6.81E+08	9.88E+09	7.74E+09	1.2E+10	-9.1	3.67	9.37
0	3.44E+08	0	1.55E+10	1.55E+10	3.78E+10	22900000	0.18	64.1	8.51
0	7.74E+09	0	2.74E+10	2.74E+10	4.47E+10	0	-21.1	0.35	0
0	4.94E+09	0	2.4E+10	2.4E+10	3.81E+10	0	23.7	7.55	0
0	6.74E+09	0	2.77E+10	2.77E+10	6.37E+10	0	34.3	5.31	0
0	7.83E+09	0	2.7E+10	2.7E+10	8.38E+10	0	29.9	7.27	0
0	1.31E+09	0	1.07E+10	1.07E+10	9.97E+09	27200000	0.27	36.4	0
0	1.37E+09	0	9.5E+09	9.5E+09	1.23E+10	0	-26.7	5.15	0
0	1.31E+09	0	8.77E+09	8.77E+09	1.05E+10	0	21	5.86	0
0	6.71E+08	0	7.3E+09	7.3E+09	1.34E+10	0	19.4	6.28	0
0	1.63E+09	0	7.44E+09	7.44E+09	1.59E+10	0	18	3.32	0
1.05E+09	6.5E+08	54900000	3.68E+09	5.04E+09	4.64E+09	3780000	0.57	20.8	-69.1
5.32E+08	2.81E+08	59300000	3.5E+09	4.81E+09	5.6E+09	6.32E+09	-28.5	8.59	20.8
1.99E+08	-64100000	61100000	3.1E+09	4.46E+09	2.74E+09	8.3E+09	-13	2.16	11.1
-1.34E+09	-1.23E+09	64200000	1.4E+09	2.34E+09	1.14E+09	6.02E+09	-24.6	-3.99	4.46
-1.24E+09	-1.12E+09	66200000	1.43E+09	2.37E+09	1.39E+09	3.55E+09	-53.4	-34.9	-57.2

2.72E+09	1.52E+09	0	2.95E+09	9.22E+09	1.26E+10	27400000	0.59	17.8	8.6
2.59E+09	1.23E+09	0	2.61E+09	8.03E+09	1.71E+10	4.54E+10	-16.6	11.2	29.5
2.27E+09	1.19E+09	0	2.33E+09	7.01E+09	1.1E+10	4.64E+10	6.35	9.22	32.2
2.24E+09	1.22E+09	0	2.31E+09	6.86E+09	1.18E+10	4.33E+10	-7.74	9.29	32.4
2.2E+09	1.13E+09	0	2.21E+09	6.51E+09	1.43E+10	3.71E+10	34.4	9.18	32.7
3.15E+09	1.27E+09	1.76E+09	8.18E+09	2.94E+10	2.07E+10	7870000	0.46	18.7	14.7
3.02E+09	1.47E+09	1.53E+09	7.71E+09	3.11E+10	2.16E+10	2.09E+10	4.71	7.89	10.7
3.74E+09	1.58E+09	1.88E+09	8.13E+09	3.34E+10	1.59E+10	2.31E+10	-7.38	10.4	9.73
4.42E+09	1.67E+09	2E+09	9.34E+09	3.6E+10	1.88E+10	1.81E+10	-3.57	11.2	11.2
5.33E+09	2.43E+09	2.24E+09	1E+10	3.7E+10	1.94E+10	1.55E+10	41.3	11.6	12.3
3.29E+09	1.52E+09	0	5.88E+09	2.18E+10	5.96E+09	14300000	0	29.7	11.8
1.56E+09	6.56E+08	0	4.18E+09	2.03E+10	7.48E+09	1.83E+09	-12.8	11.5	15.1
-7E+08	-1.57E+09	0	3.3E+09	1.38E+10	5.48E+09	-7.2E+08	21	4.93	7.71
3.91E+09	7.11E+08	0	4.46E+09	1.65E+10	9.22E+09	-1E+09	29.2	-16.5	-5.06
2.57E+09	9.74E+08	0	4.66E+09	1.75E+10	8.51E+09	1.89E+09	17.8	9.76	23.7
2.21E+09	5.47E+08	1.92E+09	3.97E+09	1.34E+10	1.47E+10	5500000	0.36	54.3	9.58
2.73E+09	1.07E+09	2.33E+09	4.58E+09	1.55E+10	1.37E+10	1.6E+10	25.4	6.16	16.4
3.08E+09	1.54E+09	2.28E+09	4.95E+09	1.68E+10	1.16E+10	2.03E+10	-13.3	11.9	17.6
2.34E+09	6.87E+08	1.5E+09	3.88E+09	1.48E+10	1.43E+10	1.66E+10	-3.45	15.5	18.3
2.66E+09	1.06E+09	1.43E+09	4.31E+09	1.37E+10	2.34E+10	1.46E+10	54.9	6.34	15.8
1.18E+09	8.42E+08	0	2.94E+09	1.42E+10	4.38E+09	28800000	0	6.96	6.96
1.21E+09	9.37E+08	0	2.84E+09	1.32E+10	5.39E+09	7E+09	-35.6	6.28	8.32
1.12E+09	6.21E+08	0	2.74E+09	1.25E+10	4.85E+09	5.44E+09	48.2	7.87	9.15
1.05E+09	3.8E+08	0	2.64E+09	1.16E+10	7.22E+09	5.85E+09	-9.37	6.42	8.97
1.17E+09	5.69E+08	0	2.62E+09	1.09E+10	8.93E+09	3.77E+09	101.4	4.26	9.06
5.96E+08	1.68E+08	0	1.97E+09	5.5E+09	7.69E+09	18600000	0.9	2.48	9.3
7.11E+08	3.82E+08	0	2.01E+09	5.57E+09	8.17E+09	6.71E+09	33.6	4.91	10.8
6.14E+08	3.34E+08	0	1.91E+09	5.25E+09	5.14E+09	9.62E+09	-14.7	12	12.8
5.19E+08	2.07E+08	0	1.67E+09	4.96E+09	4.13E+09	7.33E+09	-14.9	10.6	11.7
5.57E+08	3E+08	0	1.62E+09	4.58E+09	4.88E+09	5.19E+09	-17.5	6.21	10.5
1.16E+09	4.44E+08	0	1.9E+09	8.47E+09	2.81E+09	30300000	0.49	23.4	11.2
9.61E+08	3.41E+08	0	1.58E+09	6.42E+09	2.47E+09	6.06E+09	-19.8	10	13.7
5.23E+08	-1.39E+08	0	1.12E+09	5.92E+09	1.59E+09	5.38E+09	-11.9	8	15
8.07E+08	94000000	0	1.26E+09	6.17E+09	1.97E+09	4.33E+09	-9.5	-3.05	8.84
9.32E+08	4.25E+08	0	1.38E+09	5.78E+09	2.54E+09	4.33E+09	41.3	2.01	13.1
1.63E+09	1.07E+09	0	2.4E+09	1.5E+10	6.47E+09	30000000	0	37.7	12.1
9.62E+08	6.6E+08	0	1.65E+09	1.31E+10	6.38E+09	7.75E+09	-21.8	14.5	10.8
7.39E+08	4.84E+08	0	1.36E+09	1.25E+10	5.31E+09	5.63E+09	-1.69	9.46	7.33
3E+08	2.41E+08	0	9.07E+08	1.19E+10	6.32E+09	4.09E+09	21.6	7.68	5.93
6.49E+08	6.63E+08	0	1.25E+09	1.37E+10	7.79E+09	5.26E+09	13.5	3.98	2.51
6.36E+08	1.73E+08	0	8.23E+08	2.81E+09	4.61E+09	16300000	0.8	-39.2	3.92
8.08E+08	4.4E+08	0	1.03E+09	2.97E+09	6.33E+09	3.9E+09	44.1	8	22.7
6.43E+08	2.98E+08	0	8.24E+08	2.53E+09	3.31E+09	5.92E+09	36.9	19.7	27.2

2.87E+08	280000	0	4.12E+08	2.23E+09	2.79E+09	7.02E+09	-42.1	13	25.4
3.37E+08	81500000	0	4.45E+08	2.13E+09	2.24E+09	3.58E+09	-2.61	0.01	12.9
2.21E+08	-2.38E+08	2.74E+08	2.14E+09	6.92E+09	1.24E+09	9280000	-0.02	31.6	7.16
2.4E+08	-1.17E+08	2.89E+08	1.99E+09	6.51E+09	1.54E+09	3.15E+09	-27.9	-5.39	3.19
4.41E+08	2.3E+08	1.81E+08	1.83E+09	3.89E+09	2.04E+09	3.47E+09	20.9	-3.02	3.69
5.21E+08	1.97E+08	1.97E+08	1.86E+09	3.11E+09	2.11E+09	3.59E+09	72.2	7.81	11.3
5.84E+08	2.22E+08	1.93E+08	1.4E+09	2.72E+09	2.51E+09	4.12E+09	4.26	6.75	16.8
7.15E+09	1.75E+09	1.09E+09	1.98E+10	3.1E+10	4.84E+10	26900000	0.26	3.13	2.94
9.38E+09	3.81E+09	1.08E+09	2.08E+10	3.01E+10	4.42E+10	1.07E+11	-13.3	3.8	23.1
8.69E+09	2.08E+09	1.07E+09	2.03E+10	2.99E+10	4.04E+10	1.03E+11	-16.5	8.8	31.1
7.87E+09	1.26E+09	1.18E+09	2E+10	2.96E+10	4.2E+10	7.39E+10	31	4.77	29
8.04E+09	1.32E+09	1.25E+09	1.9E+10	2.91E+10	4.4E+10	8.25E+10	-1.39	2.76	26.6
1.03E+09	2.12E+08	0	2.44E+09	7.91E+09	2.93E+09	14700000	0.31	0.11	-10.2
8.72E+08	-66400000	0	2.33E+09	7.94E+09	2.57E+09	6.05E+09	-5.13	5.5	13.1
7.77E+08	-73800000	0	1.95E+09	7.61E+09	1.74E+09	5.89E+09	-27.1	-1.14	11
5.84E+08	-51000000	0	1.83E+09	7.19E+09	1.72E+09	5.46E+09	-8.98	-1.7	10.2
2.17E+08	3.24E+08	3.83E+08	1.59E+09	6.87E+09	1.72E+09	4.87E+09	3.77	-1.04	8.13
1.49E+09	7.45E+08	6.78E+08	3.16E+09	5.89E+09	2.77E+10	5260000	0.38	32.5	9.55
1.51E+09	7.85E+08	4.85E+08	3.16E+09	5.98E+09	3.33E+10	2.76E+10	11	10.1	25.2
1.39E+09	6.62E+08	3.84E+08	3.1E+09	6.05E+09	2.28E+10	3.24E+10	12.7	10.6	25.2
1.46E+09	7.03E+08	3.91E+08	3.22E+09	6.28E+09	2E+10	3.23E+10	-22.9	8.69	23
1.49E+09	7.96E+08	4.02E+08	3.49E+09	6.43E+09	2.9E+10	2.14E+10	23.4	8.65	23.2
0	4.61E+08	0	2.06E+09	2.06E+09	3.81E+09	10200000	-0.03	20	5.84
0	4.73E+08	0	1.83E+09	1.83E+09	4.6E+09	0	-10.3	4.78	0
0	4.37E+08	0	1.78E+09	1.78E+09	4.02E+09	0	16	5.24	0
0	4.39E+08	0	1.69E+09	1.69E+09	5.25E+09	0	46	5.47	0
0	4.25E+08	0	1.65E+09	1.65E+09	5.29E+09	0	5.87	5.72	0
1.9E+08	77100000	0	4.34E+08	1.93E+09	1.56E+09	15000000	0	135.8	10.1
1.57E+08	86600000	0	3.75E+08	1.78E+09	2.15E+09	1.26E+09	42.6	5.91	9.81
1.35E+08	62300000	0	3.48E+08	1.74E+09	1.5E+09	1.93E+09	25.5	7.15	8.79
1.85E+08	1.25E+08	0	4.07E+08	1.78E+09	1.19E+09	2.16E+09	-32.4	5.63	7.77
2.07E+08	1.13E+08	0	3.97E+08	1.6E+09	2.56E+09	1.1E+09	-6.09	11	10.4
4.25E+09	1.06E+09	0	1.76E+09	2.91E+10	8.12E+09	15400000	0.11	-6.33	18.5
3.43E+09	5.86E+08	0	7.91E+08	2.48E+10	8.2E+09	4.54E+10	-23	6.55	14.6
1.06E+09	-8.51E+08	0	-1.58E+09	2.79E+10	6.75E+09	4.8E+10	10.3	4.17	13.8
7.93E+09	3.5E+09	0	5.53E+09	2.96E+10	1.19E+10	4.65E+10	19.1	-6.39	3.79
5.79E+09	2.88E+09	0	3.28E+09	2.68E+10	1.52E+10	4.59E+10	46.4	25.5	26.8
7.78E+08	2.55E+08	2.98E+08	1.75E+09	5.53E+09	2.29E+09	31800000	0.21	5.17	9.21
9.49E+08	5.69E+08	3.12E+08	1.94E+09	5.83E+09	2.71E+09	5.43E+09	-28	6.31	14.1
9.03E+08	3.48E+08	4.12E+08	2.18E+09	6.53E+09	2.47E+09	4.53E+09	20.1	12.5	16.3
1.13E+09	4.77E+08	4.13E+08	2.31E+09	6.99E+09	2.93E+09	4.04E+09	11.7	8.16	13.8
1.24E+09	4.77E+08	4.9E+08	2.48E+09	6.96E+09	3.29E+09	4.04E+09	57.1	9.98	16.1
4.98E+08	-1.74E+08	0	1.05E+09	5.02E+09	5.89E+09	16400000	0	-32.3	9.15

7.55E+08	79300000	0	1.17E+09	4.36E+09	5.18E+09	1.45E+10	-22.3	-3.88	9.92
7.74E+08	2.24E+08	0	1.25E+09	4.44E+09	4.78E+09	1.41E+10	-14.7	2.04	17.3
8.85E+08	2.97E+08	0	1.36E+09	4.5E+09	4.92E+09	1.16E+10	17.5	6.28	17.4
8.02E+08	3.12E+08	0	1.25E+09	3.99E+09	3.2E+09	1.06E+10	23	8.29	19.7
3.46E+08	1.76E+08	1.02E+08	7.32E+08	1.91E+09	7.02E+09	16700000	0.2	29	11.4
3.75E+08	2.08E+08	2.21E+08	7.59E+08	1.96E+09	8.27E+09	6.85E+09	-4.29	5.1	18.1
4.16E+08	2.62E+08	1.05E+08	7.83E+08	1.72E+09	6.3E+09	6.96E+09	13.2	6.43	19.1
4.12E+08	2.35E+08	1.45E+08	7.94E+08	1.81E+09	5.84E+09	7.01E+09	3.15	9.36	24.2
5.52E+08	3.39E+08	2E+08	9.87E+08	2.09E+09	6.46E+09	6.2E+09	-6.12	8.33	22.7
3.42E+08	9870000	2.6E+08	4.8E+08	1.95E+09	2.41E+09	9840000	0.31	-10.6	-15.5
4.74E+08	1.4E+08	2.52E+08	6.14E+08	2.25E+09	2.78E+09	3.29E+09	17.8	1.67	17.5
5.73E+08	1.7E+08	3.34E+08	7.13E+08	2.58E+09	1.38E+09	3.85E+09	-6.36	8.35	21.1
5.39E+08	1.81E+08	3.22E+08	7E+08	2.58E+09	1.63E+09	3.32E+09	-11.2	9.81	22.2
3.89E+08	-3.61E+08	3.41E+08	5.13E+08	2.23E+09	1.2E+09	2.75E+09	-4.43	8.7	20.9
4.17E+09	1.41E+09	0	1.19E+10	5.24E+10	3.11E+10	15200000	0.03	62.3	22.6
7.04E+09	3.68E+09	0	1.41E+10	4.97E+10	3.61E+10	4.04E+10	-13.3	3.92	7.96
5.05E+09	2.41E+09	0	1.32E+10	4.98E+10	3.6E+10	4.63E+10	20.4	10.8	14.1
8.98E+09	4.42E+09	0	1.56E+10	4.97E+10	4.36E+10	4.34E+10	32.7	7.5	10.1
1.09E+10	6.83E+09	0	1.85E+10	5.01E+10	7.1E+10	4.52E+10	24.8	14.7	18
4.66E+08	2.06E+08	0	9.23E+08	2.91E+09	1.54E+09	22400000	0.2	10.3	0
3.82E+08	1.62E+08	0	8.3E+08	2.55E+09	1.23E+09	2.34E+09	-19.1	11.8	16
3.21E+08	1.76E+08	0	7.28E+08	2.59E+09	8.39E+08	1.96E+09	-21.1	9.19	15
2.82E+08	90400000	0	6.6E+08	2.43E+09	1.06E+09	1.35E+09	-1.75	10.2	12.4
2.87E+08	1.45E+08	0	6.77E+08	2.2E+09	1.25E+09	1.38E+09	33.1	5.16	11.6
4.36E+09	-2.46E+09	0	1.14E+09	5.53E+10	4.12E+09	11100000	-0.12	-35.7	4.32
4.19E+09	5.23E+08	0	6.84E+08	4.57E+10	4.42E+09	4.48E+10	-41.8	-7.95	7.89
8.27E+08	-5E+09	0	-2.39E+09	5.55E+10	5.25E+09	4.67E+10	9.19	1.95	9.17
5.04E+09	6.23E+09	0	3.03E+09	5.24E+10	6.88E+09	4.44E+10	60.3	-22.1	1.49
3.68E+09	1.02E+09	0	1.32E+09	4.31E+10	6.7E+09	4.26E+10	55.1	27.8	9.6
3.04E+09	2.09E+09	0	5.01E+09	1.24E+10	4.15E+10	23700000	1.28	-4.24	31.2
5.01E+09	3.43E+09	0	7.24E+09	1.63E+10	7.21E+10	3.12E+10	60.5	25.5	24.4
5.12E+09	3.64E+09	0	7.5E+09	1.68E+10	4.12E+10	5.44E+10	72.6	37.2	30.7
3.64E+09	2.54E+09	0	5.86E+09	1.31E+10	6.14E+10	8.6E+10	-41.3	36.2	30.5
4.57E+09	3.35E+09	9.74E+08	6.94E+09	1.48E+10	7.22E+10	4.23E+10	94.9	23.8	27.9
2.79E+09	5.34E+08	0	5.63E+09	1.74E+10	9.98E+09	26700000	-0.2	35	5.31
2.06E+09	3.3E+08	0	4.6E+09	1.67E+10	7.63E+09	1.77E+10	-10.1	4.75	16
4.04E+09	1.69E+09	0	4.93E+09	2.32E+10	7.69E+09	1.88E+10	-13.5	3.36	12.3
4E+09	1.62E+09	0	4.29E+09	2.05E+10	9.36E+09	1.61E+10	25.4	16.9	17.4
2.19E+09	5.79E+08	0	2.55E+09	1.66E+10	8.94E+09	1.57E+10	25.3	14.4	19.5
6.71E+08	3.08E+08	5.64E+08	8.05E+08	3.25E+09	2.39E+09	16200000	0.16	23.4	12.7
6.74E+08	3.04E+08	1.68E+08	8.04E+08	2.96E+09	3.06E+09	1.16E+10	-17.2	8.38	20.7
6.34E+08	3.27E+08	1.71E+08	7.7E+08	2.65E+09	2.86E+09	1.25E+10	18.7	8.69	22.8
6.47E+08	3.2E+08	3.18E+08	7.74E+08	2.67E+09	2.73E+09	1.12E+10	-4.82	9.97	23.9

6.51E+08	4.19E+08	7.96E+08	8.06E+08	2.95E+09	3.43E+09	9.22E+09	32.1	9.5	24.3
7.49E+08	-2.92E+08	0	1.94E+09	9.52E+09	7.13E+09	8400000	0	-1.92	0
9.52E+08	4090000	0	2.09E+09	7.86E+09	8.45E+09	2.1E+10	-36.6	-3.86	7.87
8.68E+08	21600000	0	1.88E+09	6.79E+09	6.88E+09	1.94E+10	19.3	0.06	12.1
1.13E+09	3.67E+08	0	2.13E+09	7.02E+09	6.71E+09	1.84E+10	8.84	0.56	12.8
1.33E+09	5.23E+08	0	2.23E+09	6.96E+09	7.33E+09	1.69E+10	3.49	6.56	16.1
1.05E+09	2.76E+08	0	1.7E+09	9.25E+09	3.12E+09	6820000	0.27	7.34	9.3
1.2E+09	3.1E+08	0	1.73E+09	8.82E+09	4.16E+09	1.7E+10	-27.2	4.78	11.4
1.09E+09	2.87E+08	0	1.41E+09	7.56E+09	3.66E+09	1.72E+10	16.9	5.88	13.6
1.24E+09	4.45E+08	0	1.52E+09	7.68E+09	4.1E+09	1.59E+10	-2.33	5.7	14.4
1.16E+09	4.49E+08	0	1.49E+09	7.3E+09	4.51E+09	1.37E+10	43.5	8.61	16.1
1.77E+09	1.69E+08	0	3.67E+09	1.84E+10	7.2E+09	6570000	0	36.6	3.29
2.4E+09	9.31E+08	8.21E+08	3.76E+09	1.88E+10	9.95E+09	1.88E+10	-17.6	1.71	9.62
1.92E+09	5.27E+08	7.24E+08	3.25E+09	1.88E+10	7.69E+09	1.78E+10	11.6	8.7	12.8
1.37E+09	3.12E+08	8.99E+08	3.02E+09	1.71E+10	7.7E+09	1.64E+10	8.04	5.01	10.2
1.67E+09	3.27E+08	1.11E+09	3.16E+09	1.63E+10	8.74E+09	1.57E+10	-0.48	3.11	7.98
9.85E+08	4.24E+08	0	1.77E+09	6.89E+09	5.14E+09	16200000	0	17.6	0
1.64E+09	9.22E+08	0	2.33E+09	7.69E+09	5.35E+09	5.46E+09	-5.13	7.67	14.3
1.04E+09	5.83E+08	0	1.8E+09	7.91E+09	3.47E+09	5.55E+09	6.09	16.5	21.3
8.52E+08	3.22E+08	0	1.57E+09	7.22E+09	3.89E+09	5.01E+09	-7.97	10.9	13.1
8.98E+08	4.1E+08	5.13E+08	1.6E+09	6.7E+09	3.97E+09	4.27E+09	14.7	6.6	11.8
3.4E+10	1.48E+10	3.26E+10	4.43E+10	2.58E+11	1.82E+11	15800000	0.21	21.4	14.5
4.07E+10	2.69E+10	3.15E+10	5.29E+10	2.69E+11	2.44E+11	3.31E+11	3.15	7.16	13.2
3.2E+10	1.84E+10	2.5E+10	4.63E+10	2.7E+11	1.88E+11	3.98E+11	32.3	13.1	15.1
4.64E+10	3.19E+10	2.94E+10	6.16E+10	3.1E+11	2.33E+11	4.31E+11	-13.9	9.04	11.9
4.21E+10	3.24E+10	3.61E+10	6.04E+10	2.97E+11	2.33E+11	3.67E+11	42.9	14.7	15
2.87E+09	1.05E+09	1.13E+09	5.75E+09	5.89E+10	9.75E+09	14500000	0.84	2.12	13.8
3.54E+09	1.96E+09	1.23E+09	6.4E+09	6.63E+10	1.52E+10	2.43E+10	7.9	8.53	4.88
3.9E+09	2.1E+09	1.1E+09	7.1E+09	7.29E+10	1.1E+10	2.48E+10	27.3	14.9	5.33
4.07E+09	2.27E+09	1.29E+09	7.28E+09	7.23E+10	1.87E+10	2.68E+10	-7.83	16.1	5.34
3.91E+09	2.15E+09	1.16E+09	6.94E+09	6.44E+10	1.86E+10	2.52E+10	70.1	15.2	5.63
6.02E+08	2.61E+08	15100000	1.32E+09	1.69E+09	7.75E+09	5380000	0.5	13.5	20.7
5.61E+08	3.33E+08	18700000	1.29E+09	1.65E+09	7.86E+09	5.58E+09	6.07	14	35.7
4.29E+08	2.26E+08	10600000	1.29E+09	1.7E+09	7.04E+09	6.15E+09	7.58	18.3	33.9
4.32E+08	76100000	15500000	1.31E+09	1.76E+09	5.01E+09	5.66E+09	-3.91	12.9	25.3
4.9E+08	2.19E+08	7760000	1.32E+09	1.73E+09	6.94E+09	4.6E+09	22.9	4.85	24.5
5.73E+08	1.63E+08	4.12E+08	9.81E+08	5.9E+09	1.73E+09	25600000	0.24	5.26	0
7.06E+08	2.79E+08	2.83E+08	1.1E+09	5.66E+09	1.8E+09	3.78E+09	-21.3	4.5	9.71
3.97E+08	39800000	2.16E+08	7.31E+08	4.15E+09	1.26E+09	3.44E+09	6.73	9.02	12.5
2.98E+08	1E+08	2.23E+08	5.68E+08	3.26E+09	1.49E+09	3.15E+09	-3	1.28	9.57
2.99E+08	-64100000	3.47E+08	5.74E+08	3.15E+09	1.59E+09	2.8E+09	18.2	3.39	9.13
-2.93E+08	-1.84E+09	0	-2.39E+08	9.7E+09	8.15E+09	14800000	0.22	-4.88	0
2.28E+08	-1.09E+09	0	1.14E+08	8.54E+09	1.15E+10	2.55E+10	-42.8	-16.6	-3.02



1.38E+09	2.14E+08	0	1.53E+09	9.68E+09	9.54E+09	2.24E+10	-10.9	-11.4	2.67
2.46E+09	7.88E+08	0	2.81E+09	1.15E+10	9.23E+09	2.15E+10	19.1	2.84	14.2
0	6.59E+08	0	2.66E+09	1.07E+10	8.24E+09	2.13E+10	2.65	9.89	21.5
4.24E+08	1.78E+08	0	1.1E+09	3.65E+09	1.01E+10	9660000	0.92	-31	15.3
5.55E+08	3.14E+08	1.93E+08	1.38E+09	4.12E+09	1.13E+10	1.03E+10	23	8.02	11.6
5.72E+08	3.21E+08	1.39E+08	1.31E+09	3.8E+09	7.13E+09	1.33E+10	9.94	13.8	13.5
5.59E+08	3.34E+08	1.74E+08	1.39E+09	3.88E+09	8.6E+09	1.3E+10	-25.1	14.6	15.1
4.93E+08	4.08E+08	2.47E+08	1.3E+09	3.62E+09	7.57E+09	8.65E+09	39.4	14	14.4
4.34E+08	1.89E+08	1.65E+08	1.35E+09	3.53E+09	8.27E+09	6240000	0.35	4.04	0
5.99E+08	3.39E+08	1.12E+08	1.34E+09	3.5E+09	1.09E+10	9.31E+09	-0.16	5.37	12.3
4.65E+08	2.83E+08	1.25E+08	1.28E+09	3.37E+09	6.42E+09	9.59E+09	-6.59	10.3	17.1
3.75E+08	2.05E+08	1.9E+08	1.2E+09	3.23E+09	4.45E+09	6.93E+09	-13.2	8.91	13.8
3.52E+08	1.48E+08	1.48E+08	1.14E+09	3E+09	4.01E+09	5.49E+09	-33.8	6.25	11.6
1.26E+09	5.14E+08	4.98E+08	3.6E+09	1.43E+10	4.96E+09	7710000	0.74	11.5	10.3
2.03E+09	1.35E+09	5.8E+08	4.4E+09	1.57E+10	9.7E+09	9.32E+09	-4.49	7.43	8.83
2.16E+09	1.32E+09	6.78E+08	4.81E+09	1.71E+10	6.9E+09	9.54E+09	31.1	19.9	12.9
2.23E+09	1.16E+09	7.8E+08	5.07E+09	1.71E+10	8.13E+09	9.84E+09	9.1	19.4	12.7
1.69E+09	6.87E+08	7.37E+08	5.23E+09	1.64E+10	8.6E+09	1.01E+10	25.5	16	13
1.38E+09	4.63E+08	0	1.43E+09	1.62E+10	9.77E+09	11300000	0.2	-32	3.3
1.09E+09	4.14E+08	0	1.27E+09	1.54E+10	9.1E+09	6.47E+09	40.9	8.28	8.53
6.83E+08	3.58E+08	0	9.15E+08	1.38E+10	5.35E+09	8.37E+09	2.74	8.09	7.1
6.4E+08	3.81E+08	0	6.95E+08	1.26E+10	5.95E+09	7.58E+09	-22.8	7.81	4.95
3.99E+08	1.25E+08	2.62E+08	4.39E+08	1.1E+10	3.62E+09	4.97E+09	24.8	8.86	5.09
4.98E+08	1.84E+08	0	1.58E+09	3.65E+09	3.9E+09	10800000	0.61	26.4	0
4.04E+08	1.45E+08	0	1.47E+09	3.35E+09	5.32E+09	4.34E+09	6.48	6.88	13.6
3.88E+08	1.81E+08	0	1.43E+09	3.23E+09	4.3E+09	4.89E+09	0.97	6.06	12.1
7.03E+08	5.26E+08	0	1.78E+09	3.77E+09	4.73E+09	4.32E+09	1.49	7.75	12
6.47E+08	3.07E+08	0	1.67E+09	3.54E+09	5.88E+09	3.75E+09	27.7	19.9	18.6
0	3.99E+08	0	2.5E+09	2.5E+09	3.96E+09	6950000	0	35.1	0
0	3.44E+08	0	2.27E+09	2.27E+09	4.79E+09	0	-19.7	3.58	0
0	3.76E+08	0	2.01E+09	2.01E+09	3.65E+09	0	15.2	3.46	0
0	4.56E+08	0	1.98E+09	1.98E+09	5.32E+09	0	31.6	4.28	0
0	4.82E+08	0	2E+09	2E+09	5.79E+09	0	17.2	5.45	0
4.37E+08	2.94E+08	0	1.29E+09	1.38E+09	7.74E+09	650000	0.64	54.2	57.6
4.47E+08	2.94E+08	0	1.33E+09	1.41E+09	9.58E+09	5.86E+09	22.1	79.5	31.7
4.39E+08	2.96E+08	0	1.27E+09	1.36E+09	6.32E+09	7.35E+09	40.8	70.8	31.7
4.28E+08	2.89E+08	0	1.28E+09	1.38E+09	5.55E+09	9.11E+09	-9.19	67.5	32.3
4.52E+08	3.04E+08	0	1.25E+09	1.34E+09	9.47E+09	7.06E+09	-2.61	56	31
9.07E+09	5.45E+09	1.5E+09	1.57E+10	3.22E+10	9.23E+10	8540000	1.11	18.1	91.9
9.67E+09	5.92E+09	1.6E+09	1.66E+10	3.54E+10	1.03E+11	1.14E+11	-0.92	47.3	28.2
4.7E+09	5.78E+09	1.75E+09	1.03E+10	2.62E+10	7.3E+10	1.17E+11	1.62	42.3	27.3
5.71E+09	-7E+09	1.62E+09	9.72E+09	2.46E+10	4.94E+10	1.16E+11	-32.5	26.9	18
5.36E+09	4.17E+09	1.18E+09	1.02E+10	2.46E+10	6.95E+10	8.22E+10	-8.84	-85.4	23.2

5.21E+08	3.45E+08	56800000	1.11E+09	2.9E+09	8.34E+09	13200000	1.3	-17.3	28.6
6.87E+08	4.87E+08	75100000	1.31E+09	3.54E+09	1.16E+10	7.63E+09	15.1	19.6	18
7.01E+08	2.36E+08	70300000	1.33E+09	3.75E+09	8.31E+09	8.5E+09	56.6	26.5	19.4
8.19E+08	5.57E+08	72600000	1.48E+09	3.85E+09	1.03E+10	1.31E+10	-33.3	13.2	18.7
7.78E+08	5.34E+08	1.08E+08	1.46E+09	3.82E+09	1.1E+10	8.65E+09	44	31	21.3
1.28E+09	8.72E+08	74200000	1.54E+09	4.54E+09	2.26E+10	42600000	1.11	9.32	15
1.6E+09	9.9E+08	1.11E+08	1.91E+09	5.55E+09	3.06E+10	2.47E+10	21.3	15.8	28.3
1.82E+09	1.16E+09	1.39E+08	2.15E+09	6.15E+09	2.97E+10	2.95E+10	21.6	15.4	28.9
2.05E+09	1.31E+09	1.36E+08	2.38E+09	6.6E+09	3.23E+10	3.65E+10	-4.98	16.2	29.6
2.16E+09	1.38E+09	1.27E+08	2.48E+09	6.94E+09	3.91E+10	3.43E+10	18	16.2	31
1.94E+09	-4.86E+09	1.27E+09	2.71E+09	4.39E+09	3.13E+09	15500000	1.17	-35.6	22.2
4.39E+09	9.73E+08	1.11E+09	5.08E+09	8.03E+09	9.91E+09	2.04E+10	-44.5	-187.7	44.2
6.61E+09	3.67E+09	1.81E+09	7.71E+09	1.1E+10	1.48E+10	1.6E+10	89.5	2707.2	54.7
5.14E+09	2.86E+09	2.33E+09	5.78E+09	8.13E+09	1.22E+10	1.86E+10	73.6	609.3	59.9
5.63E+09	8.04E+08	2.91E+09	6.55E+09	9.47E+09	8.68E+09	2.13E+10	-23.1	127.4	63.2
4.36E+10	-5.18E+09	1.47E+10	7.74E+10	1.43E+11	1.93E+11	14700000	0.62	35.7	10.2
4.97E+10	2.01E+10	1.55E+10	7.36E+10	1.34E+11	1.8E+11	4.88E+11	-26.4	-0.8	30.5
4.34E+10	-8.52E+09	1.96E+10	6.99E+10	1.21E+11	1.32E+11	4.02E+11	-14.5	13.1	37.1
4.19E+10	1.44E+10	1.79E+10	7.23E+10	1.22E+11	1.09E+11	3.81E+11	-25.2	-4.74	35.9
4.4E+10	1.09E+10	2.03E+10	7.31E+10	1.22E+11	1.58E+11	3.07E+11	-8.85	13.8	34.2
2.11E+10	4.62E+09	7.98E+08	3.05E+10	4.58E+10	1.5E+11	4090000	0.51	14.7	62.3
2.83E+10	1.15E+10	7.87E+08	3.89E+10	5.62E+10	2.03E+11	1.59E+11	21	187.7	46.2
2.87E+10	1.18E+10	6.95E+08	4.15E+10	5.81E+10	2.61E+11	2.68E+11	26.4	81	50.3
2.64E+10	4.86E+09	7.77E+08	3.76E+10	5.43E+10	2.5E+11	3.08E+11	19.4	72.4	49.4
2.67E+10	4.28E+09	9.74E+08	3.96E+10	5.63E+10	3.56E+11	3.44E+11	-4.11	35.2	48.5
8.79E+09	4.5E+09	2.18E+09	1.96E+10	3.46E+10	1.86E+11	23200000	0.7	2.76	30.9
1.27E+10	7.07E+09	1.89E+09	2.5E+10	4.31E+10	2.28E+11	1.69E+11	26.1	13.9	25.4
1.24E+10	6.93E+09	1.78E+09	2.46E+10	4.37E+10	1.74E+11	2.02E+11	28.5	20.5	29.6
1.05E+10	5.72E+09	2.2E+09	2.22E+10	4.01E+10	1.61E+11	2.5E+11	-22	19	28.4
1.07E+10	1.34E+10	2.21E+09	2.33E+10	4.2E+10	1.99E+11	1.98E+11	0.26	15.1	26.1
7.41E+09	5.25E+09	5.97E+08	1.42E+10	4.47E+10	1.37E+11	44600000	1.28	0.25	26.8
9.03E+09	6.2E+09	6.69E+08	1.74E+10	5.37E+10	2.27E+11	1.32E+11	24	31.3	16.6
1.13E+10	7.05E+09	6.35E+08	2E+10	6.24E+10	1.81E+11	1.61E+11	58.7	31.9	16.8
1.13E+10	6.88E+09	4.98E+08	2.1E+10	6.46E+10	1.84E+11	2.6E+11	-35.6	32.1	18.1
1.13E+10	7.57E+09	6E+08	2.15E+10	6.64E+10	2.17E+11	1.66E+11	31.5	27.4	17.5
4.81E+09	5.26E+09	4.19E+08	1.11E+10	1.29E+10	2.14E+11	34100000	1.49	-25.5	36.3
6.38E+09	4.82E+09	3.48E+08	1.39E+10	1.58E+10	3.09E+11	1.59E+11	51.6	44.2	37.4
6.72E+09	4.76E+09	4.42E+08	1.54E+10	1.76E+10	1.51E+11	2.39E+11	13.4	34.4	40.4
7.27E+09	5.43E+09	3.6E+08	1.71E+10	1.94E+10	2.4E+11	2.69E+11	-40.7	33	38.1
8.4E+09	5.56E+09	1.83E+08	1.91E+10	2.15E+10	2.14E+11	1.55E+11	77.3	35.5	37.4
1.68E+09	2.49E+09	2.94E+08	4.35E+09	9.76E+09	9.06E+10	35500000	1.89	-18.1	2.89
4.06E+09	3.16E+09	3.01E+08	7.93E+09	1.64E+10	1.45E+11	5.21E+10	100	57.5	17.2
5.44E+09	1.32E+09	4.5E+08	1.21E+10	2.36E+10	1E+11	1.09E+11	56.9	47.4	24.7

3.85E+09	8.54E+08	5.46E+08	1.14E+10	2.27E+10	1.55E+11	1.71E+11	-55	4.24	23
5.15E+09	1.64E+09	6.36E+08	1.37E+10	2.58E+10	2.41E+11	1.02E+11	127.6	1.54	17
4.44E+09	4.78E+09	0	7.82E+09	2.21E+10	2.38E+10	44900000	0.85	25.4	22.6
5.49E+09	4.23E+09	0	8.99E+09	2.16E+10	3.55E+10	4.3E+10	-15.9	15.3	20.1
5.14E+09	4.42E+09	0	8.34E+09	1.91E+10	4.09E+10	3.5E+10	31.3	12.7	25.5
5.5E+09	4.66E+09	0	8.62E+09	1.87E+10	4.6E+10	4.33E+10	23.2	16.5	26.9
6.65E+09	5.44E+09	0	9.63E+09	1.89E+10	6.13E+10	5.09E+10	14.7	22.1	29.4
1.46E+09	8.1E+08	1.26E+08	2.95E+09	5.53E+09	3.15E+10	20500000	1.26	-3.37	20.6
1.78E+09	1.21E+09	2.22E+08	3.48E+09	6.45E+09	4.77E+10	2.75E+10	38.9	16.8	26.3
2.02E+09	1.32E+09	2.92E+08	3.78E+09	6.93E+09	4.11E+10	3.75E+10	34.7	24.2	27.6
1.65E+09	1.24E+09	3.12E+08	3.41E+09	6.74E+09	2.96E+10	4.96E+10	-6.26	24.6	29.2
1.8E+09	1.26E+09	3.85E+08	3.53E+09	6.53E+09	3.78E+10	4.62E+10	-7.1	21	24.5
3.46E+09	1.89E+09	2.73E+09	2.97E+09	8.98E+09	6.1E+10	69300000	0.84	5.93	22.4
3.66E+09	2.18E+09	2.46E+09	3.16E+09	1.09E+10	6.64E+10	5.3E+10	16.3	15.5	38.5
3.88E+09	2.27E+09	3.1E+09	3.49E+09	1.29E+10	5.64E+10	6.27E+10	11.4	15.4	33.4
4.05E+09	2.34E+09	5.24E+09	3.79E+09	1.24E+10	6.24E+10	7.04E+10	1.31	15.8	30.2
4.33E+09	3.84E+09	7.47E+09	3.92E+09	1.2E+10	6.95E+10	7.41E+10	-11.2	15.5	32.6
-3.34E+09	-4.59E+09	37000000	2.5E+09	3.38E+09	0	13600000	1.11	-3.47	31.9
6.14E+08	-3.52E+08	0	4.84E+09	5.99E+09	1.06E+11	0	0	-172.2	-98.7
1.95E+09	1.89E+09	0	6.9E+09	8.4E+09	7.37E+10	8.81E+10	13.4	-9.17	10.2
1.55E+09	4.79E+09	0	8.21E+09	9.92E+09	7.46E+10	9.88E+10	-48.6	36.6	23.2
2.58E+09	2.65E+09	0	9.22E+09	1.11E+10	8.63E+10	4.69E+10	59.2	69.8	15.6
1.04E+09	5.57E+08	5.51E+08	2.07E+09	3.2E+09	1.55E+10	33300000	0.76	-19.2	10.7
1.19E+09	6.52E+08	3.29E+08	2.19E+09	3.46E+09	1.72E+10	1.39E+10	21.5	14.1	32.6
1.15E+09	5.24E+08	2.41E+08	2.24E+09	3.62E+09	1.42E+10	1.72E+10	11.5	14.8	34.5
1.1E+09	5.48E+08	5.79E+08	2.3E+09	3.81E+09	1.56E+10	1.91E+10	-28	11.8	31.7
1.12E+09	5.05E+08	5.23E+08	2.37E+09	3.99E+09	1.54E+10	1.51E+10	40.4	12.2	28.9
7.43E+08	3.76E+08	8.51E+08	9.97E+08	3.13E+09	9.91E+09	83900000	1.66	-40.4	-11.4
8.75E+08	1.24E+08	9.54E+08	1.01E+09	3.33E+09	2.93E+10	9.66E+09	102	10.4	23.7
2.87E+09	2.69E+09	1.26E+09	3.08E+09	7.32E+09	3.28E+10	1.89E+10	58.5	3.89	26.3
8.97E+08	1.57E+09	2.15E+09	1.2E+09	9.62E+09	1.5E+10	2.91E+10	-7.23	40.2	39.2
-9110000	-1.18E+09	1.69E+09	84200000	5.38E+09	1.12E+10	2.78E+10	-33.4	18.7	9.33
1.17E+09	7.71E+08	0	1.36E+09	1.89E+09	2.04E+10	1.18E+08	1.32	-23	2.27
1.3E+09	5.71E+08	0	1.5E+09	2.13E+09	3.16E+10	2.64E+10	10.3	7.01	61.9
1.55E+09	5.22E+08	0	1.81E+09	2.59E+09	2.39E+10	3.34E+10	25.1	4.03	61
1.73E+09	1.04E+08	0	2.03E+09	2.89E+09	1.62E+10	4.61E+10	-34.7	3.22	60
1.96E+09	3.23E+08	0	2.21E+09	3.12E+09	1.98E+10	3.79E+10	-13	1.24	60.1
4.81E+08	1.78E+09	1.55E+08	1.76E+09	2.47E+09	3.36E+10	52700000	1.7	-23.9	11.3
1.09E+09	7.72E+08	4.01E+08	2.94E+09	3.95E+09	4.93E+10	2.13E+10	91.5	77.5	19.4
7.8E+08	3.62E+08	2.92E+08	2.63E+09	3.73E+09	1.47E+10	4.16E+10	23	22.5	27.5
8E+08	4.45E+08	1.78E+08	2.71E+09	3.86E+09	1.43E+10	5.07E+10	-67.9	10	20.9
8.21E+08	4.21E+08	1.16E+08	2.8E+09	4E+09	1.58E+10	1.55E+10	29.9	12.3	20.7
6.15E+08	3.14E+08	47100000	1.18E+09	2.72E+09	9.07E+09	18900000	1.08	3.15	42.4

6.13E+08	4.83E+08	45400000	1.2E+09	2.87E+09	1.15E+10	1.28E+10	-6.55	39.5	22.6
7.12E+08	4.58E+08	64000000	1.32E+09	3.27E+09	9.33E+09	1.18E+10	13.8	60.6	21.4
8.35E+08	5.4E+08	84200000	1.58E+09	3.65E+09	8.58E+09	1.29E+10	-20.5	53.7	21.8
8.97E+08	5.98E+08	92100000	1.67E+09	3.77E+09	1.21E+10	1.13E+10	20.4	47.8	22.9
1.33E+09	6.14E+08	1.37E+09	1.46E+09	3.42E+09	1.38E+10	28100000	0.54	15.3	10
1.44E+09	6.59E+08	1.17E+09	1.56E+09	3.67E+09	1.42E+10	1.97E+10	-5.83	10.9	39
1.57E+09	6.86E+08	1.48E+09	1.71E+09	4.21E+09	1.31E+10	1.99E+10	19.3	11.1	39.3
1.59E+09	7.03E+08	1.85E+09	1.73E+09	4.03E+09	1.23E+10	2.3E+10	-10.2	11.2	37.4
1.7E+09	6.9E+08	2.25E+09	1.84E+09	3.98E+09	1.52E+10	2.21E+10	-7.08	10.8	39.6
5.49E+10	4.03E+10	2.23E+10	9.78E+10	1.83E+11	1.09E+12	26600000	1	35.1	32.9
5.49E+10	4.03E+10	2.23E+10	9.78E+10	1.83E+11	1.09E+12	26600000	1	35.5	32.9
8.9E+10	7.6E+10	2.46E+10	1.47E+11	2.58E+11	1.97E+12	8.17E+11	31	19	30.1
8.9E+10	7.6E+10	2.46E+10	1.47E+11	2.58E+11	1.97E+12	8.17E+11	30.9	19	30.1
8.83E+10	6E+10	3.15E+10	1.57E+11	2.83E+11	1.25E+12	1.08E+12	65.2	32.1	34.5
8.83E+10	6E+10	3.15E+10	1.57E+11	2.83E+11	1.25E+12	1.08E+12	65.3	32.1	34.5
9.62E+10	7.38E+10	3.23E+10	1.74E+11	3.07E+11	1.57E+12	1.81E+12	-38.7	23.6	31.2
9.62E+10	7.38E+10	3.23E+10	1.74E+11	3.07E+11	1.57E+12	1.81E+12	-39.1	23.6	31.2
1.29E+11	1E+11	5.25E+10	2.04E+11	3.5E+11	2.14E+12	1.06E+12	58.8	27.4	31.3
1.29E+11	1E+11	5.25E+10	2.04E+11	3.5E+11	2.14E+12	1.06E+12	58.3	27.4	31.3
1.18E+10	4.47E+09	2.31E+08	1.35E+10	2.08E+10	6.71E+10	-2340000	0.57	29.6	0
1.22E+10	2.48E+09	1.69E+08	1.39E+10	2.11E+10	8.1E+10	1.2E+11	-17.9	95.6	56.4
1.24E+10	5.76E+09	2.05E+08	1.42E+10	2.07E+10	8.3E+10	1.01E+11	15.6	364.2	57.6
1.25E+10	8.13E+09	1.96E+08	1.43E+10	2.05E+10	7.12E+10	1.12E+11	-3.55	0	59.9
1.24E+10	1.13E+10	1.42E+08	1.43E+10	2.04E+10	8.62E+10	1.06E+11	-11.7	0	60.8
4.81E+10	2.13E+10	4.01E+10	1.53E+11	3.86E+11	1.52E+12	26400000	1.28	44.4	24.3
5.93E+10	3.34E+10	6.11E+10	1.97E+11	4.7E+11	1.71E+12	9.47E+11	76.3	27.4	12.5
5.53E+10	-2.72E+09	6.36E+10	2.25E+11	5.14E+11	1.05E+12	1.66E+12	2.38	28.8	12.6
8.55E+10	3.04E+10	5.27E+10	2.7E+11	5.75E+11	1.37E+12	1.75E+12	-49.6	-1.92	10.8
1.2E+11	5.92E+10	8.3E+10	3.12E+11	6.38E+11	2.02E+12	9.63E+11	80.9	17.5	14.9
1.99E+09	7.77E+08	4.11E+08	2.73E+09	1.25E+10	1.62E+10	2800000	0.72	-2.39	20.7
2.1E+09	9.49E+08	5.05E+08	2.72E+09	1.36E+10	1.84E+10	2.34E+10	8.58	15.3	16
2.02E+09	1.07E+09	5.22E+08	2.86E+09	1.5E+10	1.74E+10	2.47E+10	2.04	20.5	15.4
1.84E+09	6.43E+08	5.21E+08	2.66E+09	1.4E+10	1.26E+10	2.47E+10	-0.83	24.1	13.5
1.9E+09	7.98E+08	4.9E+08	2.73E+09	1.35E+10	1.6E+10	2.45E+10	-19.1	15.5	13.1
2.48E+09	8.71E+08	3.3E+09	2.86E+09	5.54E+09	2.01E+10	46000000	0.49	23.2	10
2.62E+09	9.9E+08	3.52E+09	2.99E+09	6.12E+09	2.17E+10	2.86E+10	1.64	10.2	44.7
2.98E+09	1.07E+09	3.38E+09	3.34E+09	7.66E+09	2.13E+10	3.02E+10	14	10.5	42.8
3.14E+09	1.15E+09	3.77E+09	3.47E+09	7.21E+09	1.97E+10	3.61E+10	-0.1	10.5	38.9
3.2E+09	1.18E+09	4.41E+09	3.65E+09	7.32E+09	2.31E+10	3.81E+10	-18.6	10.5	43.5
5.68E+09	2.2E+09	6.32E+09	6.97E+09	1.49E+10	4.46E+10	50400000	0.46	13.6	11.4
6.34E+09	2.49E+09	6.53E+09	7.66E+09	1.68E+10	4.27E+10	7.62E+10	-11.9	10.8	38.1
7.12E+09	2.31E+09	7.98E+09	8.41E+09	1.96E+10	4.59E+10	7.44E+10	6.85	11.5	37.8
6.98E+09	2.21E+09	7.66E+09	8.32E+09	1.9E+10	3.88E+10	8.14E+10	6.72	9.85	36.3

7.82E+09	2.97E+09	8.17E+09	9.33E+09	1.97E+10	5.18E+10	8.67E+10	-14.5	8.96	36.8
0	3.14E+09	1.48E+09	1.9E+10	3.14E+10	7.35E+10	41600000	1.29	58.4	34.7
0	8.06E+09	1.64E+09	2.7E+10	4.38E+10	1.35E+11	0	-2.88	13.6	0
0	7.51E+09	1.86E+09	3.37E+10	5.07E+10	1.12E+11	0	35.3	35.7	0
0	8.37E+09	1.57E+09	3.63E+10	5.56E+10	1.04E+11	0	-9.69	32.1	0
0	1.01E+10	1.92E+09	3.94E+10	6.08E+10	1.93E+11	0	26.8	31.7	0
6.86E+09	-5.94E+09	0	1.07E+10	4.33E+10	2.71E+10	71700000	0.69	7.45	5.75
1.7E+10	1.04E+10	0	2.04E+10	5.18E+10	5.05E+10	7.89E+10	-26.2	-8.67	15.8
8.86E+09	1.02E+10	0	1.07E+10	2.97E+10	4.32E+10	6.86E+10	50.2	16	32.7
7.44E+09	3.64E+09	0	8.67E+09	2.78E+10	4.34E+10	7.73E+10	11.2	5.14	29.8
7.83E+09	-1.4E+09	0	9.04E+09	2.7E+10	4.95E+10	7.76E+10	7.13	5.79	26.7
5.05E+09	1.69E+09	0	5.81E+09	8.04E+09	1.02E+11	9300000	0.87	-15	31.8
5.89E+09	2.57E+09	0	6.67E+09	9.36E+09	1.28E+11	1.3E+11	-2.33	29.8	62.8
6.08E+09	1.77E+09	0	7.08E+09	9.65E+09	9.53E+10	1.31E+11	30.3	37.1	62.9
6.49E+09	1.48E+09	0	7.45E+09	1E+10	8.05E+10	1.76E+11	-27.6	18.4	63
6.64E+09	2.26E+09	0	7.55E+09	1.01E+10	9.98E+10	1.49E+11	1.9	12.4	64.8
1.9E+09	7.09E+08	1.82E+09	2.16E+09	3.78E+09	2.73E+10	53100000	0.7	-5.68	10.4
1.91E+09	1.26E+09	1.76E+09	2.15E+09	3.93E+09	3.16E+10	3.14E+10	24.9	11.3	50.3
2E+09	8.2E+08	2.3E+09	2.2E+09	3.79E+09	2.65E+10	3.8E+10	23.1	18.4	48.6
2.24E+09	9.44E+08	2.58E+09	2.51E+09	4.23E+09	2.27E+10	4.54E+10	-19.3	10.9	52.7
2.53E+09	1.05E+09	2.86E+09	2.83E+09	4.68E+09	2.64E+10	3.95E+10	-13.4	10.8	52.9
2.91E+09	1.53E+09	1.47E+08	5.82E+09	1.2E+10	1.91E+10	58700000	1.26	40.2	68.3
4.95E+09	3.42E+09	1.2E+08	8.26E+09	1.34E+10	3.4E+10	1.79E+10	16.7	26.5	24.3
5.33E+09	3.15E+09	1.82E+08	8.91E+09	1.43E+10	3.38E+10	1.74E+10	55.2	57.9	37
0	2.56E+09	1.84E+08	9.42E+09	1.61E+10	3.24E+10	2.83E+10	3.22	64.6	37.2
0	3.4E+09	1.76E+08	1.04E+10	1.79E+10	5E+10	2.85E+10	22	59.9	0
1.29E+10	7.26E+09	6.08E+08	1.93E+10	2.54E+10	1.26E+11	12100000	0.48	-9.51	67.6
1.25E+10	5.89E+09	8.8E+08	1.95E+10	2.6E+10	1.18E+11	1.53E+11	-4.63	76.1	50.9
1.34E+10	6.55E+09	9.36E+08	1.99E+10	2.63E+10	1.46E+11	1.56E+11	-2.15	73.2	48.3
1.36E+10	6.72E+09	1.11E+09	2.04E+10	2.82E+10	1.41E+11	1.51E+11	16.7	126.5	50.7
1.52E+10	4.09E+09	1.1E+09	2.3E+10	3.34E+10	1.7E+11	1.67E+11	9.66	135.8	48.2
1.95E+09	1.2E+09	2.77E+08	2.66E+09	8.6E+09	3.38E+10	7970000	1.18	40.1	26.7
2.56E+09	1.59E+09	3.6E+08	3.4E+09	1.09E+10	4.59E+10	3.53E+10	20.8	24.2	22.7
3E+09	1.9E+09	3.84E+08	4.03E+09	1.26E+10	4.55E+10	4.15E+10	33.8	26.7	23.6
3E+09	1.93E+09	3.73E+08	4.08E+09	1.26E+10	4.79E+10	5.63E+10	-12.9	28.5	23.8
3.88E+09	2.42E+09	6.65E+08	5.16E+09	1.52E+10	8.24E+10	4.89E+10	30.2	25.1	23.9
2.54E+09	1.41E+09	1.78E+08	3.89E+09	5.86E+09	4.38E+10	70400000	1.09	7	4.43
3.78E+09	1.28E+09	3.87E+08	5.48E+09	8.44E+09	9.32E+10	4.88E+10	24.3	11.8	43.3
6.57E+09	3.43E+09	7.64E+08	8.25E+09	1.26E+10	7.45E+10	5.92E+10	19	5.18	44.8
5.68E+09	2.82E+09	1.31E+09	7.23E+09	1.16E+10	7.77E+10	9.75E+10	-6.68	9.28	52.2
4.11E+09	1.56E+09	6.57E+08	5.34E+09	9.34E+09	1.14E+11	8.9E+10	21.1	7.81	49.1
3.21E+09	1.97E+09	1.41E+08	5.17E+09	1.11E+10	4.21E+10	31600000	0.89	23.4	95.6
2.44E+09	1.26E+09	1.37E+08	5.48E+09	1.22E+10	7.05E+10	5.66E+10	1.43	57.4	29

3.81E+09	2.59E+09	1.96E+08	5.82E+09	1.25E+10	5.98E+10	5.56E+10	42.3	55.2	20
4.02E+09	2.56E+09	2.52E+08	6.38E+09	1.34E+10	6.18E+10	7.5E+10	-0.14	725.9	30.5
4.98E+09	2.65E+09	2.18E+08	7.37E+09	1.57E+10	7.99E+10	7.31E+10	-3.04	0	30
0	1.57E+08	0	2.22E+09	2.22E+09	8.43E+09	38700000	1.67	77.2	22.7
0	1.84E+09	0	5.81E+09	5.81E+09	1.88E+10	0	2.66	10	0
0	-2E+09	0	-3.84E+09	1.08E+10	3.18E+10	0	47.9	46.7	0
0	5.05E+09	0	8.89E+09	3.19E+10	4.54E+10	0	-11.9	-25.6	0
0	4.58E+09	0	1.1E+10	2.59E+10	8.31E+10	0	46.1	32	0
2.84E+08	-1.25E+08	3240000	8.96E+08	1.45E+09	0	3680000	2.53	712.6	134.7
5.98E+08	35400000	1390000	1.81E+09	2.79E+09	3.66E+10	0	0	0	19.6
5.24E+08	-1.93E+08	660000	1.56E+09	2.82E+09	6.44E+09	0	0	3.57	21.4
1.13E+09	3.57E+08	4250000	2.22E+09	3.28E+09	1.28E+10	3.61E+10	-88.8	-9.55	18.6
2.32E+09	1.58E+09	4780000	3.54E+09	4.71E+09	5.74E+10	6.26E+09	278.4	22.6	34.3
8.52E+10	6.39E+10	8.7E+09	1.14E+11	2.94E+11	1.85E+12	4120000	1.09	30.1	136.5
1.28E+11	1.01E+11	1.04E+10	1.63E+11	3.78E+11	2.46E+12	1.21E+12	80.7	82.1	29
1.25E+11	9.52E+10	1.17E+10	1.67E+11	3.88E+11	2.48E+12	2.19E+12	33.8	145.6	33.9
1.3E+11	1.01E+11	9.56E+09	1.74E+11	3.86E+11	2.66E+12	2.86E+12	-26.8	147.9	32.3
1.37E+11	9.62E+10	1E+10	1.84E+11	3.96E+11	3.5E+12	2.03E+12	48.2	154.3	33.7
5.26E+09	3.86E+09	4.41E+08	8.22E+09	1.82E+10	5.41E+10	22800000	1.81	0.35	35.2
8.16E+09	6.55E+09	6.91E+08	1.15E+10	2.42E+10	1.23E+11	5.76E+10	41.4	38.3	28.9
8.24E+09	6.45E+09	9.3E+08	1.22E+10	2.63E+10	7.72E+10	7.89E+10	82.3	56.1	33.8
8.14E+09	7.16E+09	1.05E+09	1.24E+10	2.65E+10	1.1E+11	1.4E+11	-38.1	51	31.4
8.48E+09	6.34E+09	1.34E+09	1.32E+10	2.76E+10	1.53E+11	8.55E+10	66.4	46.4	30.7
1.56E+09	1.8E+09	5.84E+08	1.95E+09	1.31E+10	2.61E+10	36400000	1.55	-32.6	17.3
1.98E+09	5.9E+08	6.11E+08	2.44E+09	1.56E+10	4.68E+10	2.89E+10	37.2	30.1	12
2.12E+09	5.94E+08	8.44E+08	2.65E+09	1.75E+10	2.45E+10	3.77E+10	26.6	7.31	12.7
2.74E+09	2.94E+09	9.06E+08	3.46E+09	2.01E+10	2.44E+10	4.65E+10	-43.5	6.68	12.1
3.07E+09	1.79E+09	8.3E+08	3.73E+09	1.97E+10	1.84E+10	2.73E+10	-3.66	28.3	13.7
1.87E+09	1.41E+09	39900000	2.81E+09	8.51E+09	1.22E+10	54700000	0.45	24.3	22
2.28E+09	2.16E+09	41000000	3.36E+09	9.25E+09	1.61E+10	2.11E+10	-15.9	11.1	22
1.62E+09	1.48E+09	50000000	2.85E+09	9.61E+09	2.08E+10	1.84E+10	23.2	16.3	24.7
3.68E+09	4.44E+09	52000000	5.08E+09	1.36E+10	3.07E+10	1.95E+10	41.2	11.2	16.9
4.86E+09	4.31E+09	51000000	6.45E+09	1.74E+10	3.94E+10	2.58E+10	18.3	28.4	27
2.74E+09	1.77E+09	8.23E+08	4.45E+09	6.44E+10	2.57E+10	43200000	0.69	-30	7.59
3.84E+09	2.71E+09	1.17E+09	5.99E+09	8.52E+10	3.59E+10	3.47E+10	8.76	9.05	4.25
5.13E+09	4.34E+09	1.32E+09	7.57E+09	1.02E+11	5.21E+10	3.65E+10	34.1	12.8	4.5
4.99E+09	3.48E+09	1.49E+09	7.51E+09	9.39E+10	3.81E+10	4.69E+10	37.4	18.4	5.05
3.06E+09	1.8E+09	1.56E+09	5.78E+09	8.55E+10	2.66E+10	5.99E+10	-22.2	14.1	5.31
7.39E+08	6.35E+08	15400000	1.48E+09	2.32E+09	1.59E+10	7840000	1.48	87.7	33.1
9.75E+08	8.41E+08	64700000	1.88E+09	2.95E+09	3.14E+10	1.32E+10	42.9	20.4	31.9
1.59E+09	1.35E+09	44600000	2.68E+09	4.38E+09	3.7E+10	1.92E+10	97.9	23	33.1
2.33E+09	2.09E+09	34400000	3.63E+09	5.86E+09	5.44E+10	4.08E+10	-15.6	30.5	36.3
2.99E+09	2.85E+09	32000000	4.49E+09	7E+09	1.24E+11	3.42E+10	94.1	34.5	39.7

1.53E+09	8.19E+08	99300000	2.43E+09	6.78E+09	1.99E+10	57700000	0.73	26.2	9.49
1.9E+09	9.07E+08	1.29E+08	2.87E+09	7.97E+09	3.48E+10	2.22E+10	29.9	15	22.5
2.12E+09	1.11E+09	1.83E+08	3.45E+09	8.27E+09	3.98E+10	2.82E+10	37.2	12.9	23.9
2.6E+09	9.7E+08	1.94E+08	4.15E+09	9.56E+09	5.05E+10	3.83E+10	11.1	12.6	25.6
3.16E+09	1.46E+09	1.42E+08	4.77E+09	1.09E+10	6.24E+10	4.58E+10	19.3	9.66	27.2
8.32E+08	4.41E+08	1.21E+08	8.74E+08	9.6E+09	7.42E+09	1.04E+08	0.55	26.5	15.3
1.09E+09	1.36E+09	1.87E+08	1.1E+09	1.02E+10	9.49E+09	9.87E+09	3.92	8.93	8.67
7.02E+08	2.77E+08	1.86E+08	7.14E+08	1.02E+10	7.17E+09	7.82E+09	14.4	10.6	10.7
1.15E+09	6.43E+08	2.03E+08	1.16E+09	1.11E+10	7.76E+09	9.05E+09	-19.8	5.71	6.89
1.26E+09	7.6E+08	2.21E+08	1.31E+09	1.19E+10	1.01E+10	7.31E+09	34.7	14.2	10.3
1.3E+09	6.4E+08	1.86E+09	1.59E+09	2.86E+09	1.13E+10	79100000	0.73	20.2	9.01
1.36E+09	6.97E+08	2.2E+09	1.69E+09	3.51E+09	1.2E+10	1.76E+10	-14.7	9.6	45.6
1.53E+09	7.97E+08	2.56E+09	1.89E+09	4.67E+09	1.5E+10	1.68E+10	9.79	8.99	38.8
1.76E+09	9.25E+08	2.78E+09	2.15E+09	3.95E+09	1.58E+10	2.13E+10	6.97	8.8	32.7
2.09E+09	1.08E+09	3.06E+09	2.49E+09	4.18E+09	2.17E+10	2.41E+10	3.42	8.77	44.6
3.01E+09	1.83E+09	4.72E+08	6.95E+09	1.3E+10	2.62E+10	-2.85E+08	0.4	23.8	0
3.54E+09	2.28E+09	6.09E+08	7.97E+09	1.51E+10	3.74E+10	3.6E+10	-0.49	0	23.2
3.69E+09	2.41E+09	6.85E+08	8.54E+09	1.66E+10	4.83E+10	3.37E+10	76.8	0	23.4
4.11E+09	2.58E+09	9.18E+08	9.29E+09	1.77E+10	4.36E+10	5.03E+10	17.6	0	22.3
4.34E+09	2.63E+09	1.08E+09	9.87E+09	1.86E+10	5.1E+10	5.53E+10	4.84	0	23.3
7.33E+08	1.21E+09	91000000	3.49E+09	3.79E+09	5.16E+10	7330000	1.49	21.4	49.7
8.44E+08	4.97E+08	56000000	4.02E+09	4.39E+09	6.98E+10	4.14E+10	66.4	292.4	19.3
1.12E+09	8.23E+08	40000000	4.58E+09	5.01E+09	4.67E+10	6.76E+10	-7.91	54.8	19.2
1.26E+09	9.06E+08	31000000	5.03E+09	5.5E+09	4.23E+10	6.31E+10	-33.5	82.5	22.5
1.51E+09	1.11E+09	40000000	5.64E+09	6.13E+09	6.21E+10	4.15E+10	30.3	60.4	22.9
3.84E+09	2.48E+09	1.53E+08	6.52E+09	1.46E+10	6.77E+10	11800000	0.83	25.7	83.7
4.09E+09	2.74E+09	1.73E+08	7.05E+09	1.57E+10	9.46E+10	7.51E+10	3.34	44.1	26.3
4.67E+09	3.15E+09	1.94E+08	7.93E+09	1.72E+10	1.01E+11	7.64E+10	39.9	50.1	26.1
5.31E+09	3.56E+09	2.05E+08	8.87E+09	1.86E+10	8.9E+10	1.06E+11	-3.13	78.3	27.1
5.86E+09	3.93E+09	2.13E+08	9.6E+09	1.99E+10	1.19E+11	1.01E+11	-2.47	97.4	28.5
1.42E+09	8.28E+08	28500000	1.48E+09	2.3E+09	1.94E+10	84600000	0.87	17.5	9.12
1.41E+09	1E+09	10500000	1.48E+09	2.33E+09	3.3E+10	3.65E+10	-23.5	7.61	61.7
1.61E+09	1.14E+09	14400000	1.69E+09	2.61E+09	2.45E+10	3E+10	57.4	9.26	60.4
1.72E+09	9.29E+08	19000000	1.79E+09	2.78E+09	2.31E+10	4.29E+10	-36.1	10.2	61.7
1.81E+09	1.08E+09	4680000	1.89E+09	2.96E+09	3.31E+10	3.05E+10	15.9	8.06	61.7
1.05E+09	5.56E+08	2.01E+08	1.92E+09	6.97E+09	1.15E+10	30600000	0.95	-7.43	31.8
1.26E+09	7.4E+08	2.55E+08	2.31E+09	8.41E+09	1.8E+10	1.28E+10	18.6	41.3	15.1
1.35E+09	7.57E+08	2.78E+08	2.4E+09	9.04E+09	1.39E+10	1.48E+10	39.6	43.4	15
1.24E+09	5.03E+08	2.65E+08	2.28E+09	8.36E+09	1.39E+10	2.09E+10	-16.4	38.3	14.9
1.42E+09	7.05E+08	2.09E+08	2.53E+09	8.76E+09	1.67E+10	1.76E+10	11.7	24.2	14.8
-480000	-1720000	72600000	4.16E+08	6.81E+08	6.28E+09	28700000	1.42	130.1	19.1
-1.49E+08	-6E+07	49900000	5.41E+08	8.63E+08	1.18E+10	4.05E+09	67.2	-0.23	-0.07
1.16E+08	1.47E+08	55800000	7.26E+08	1.19E+09	1.01E+10	7.29E+09	28.1	-5.93	-17.3

1.79E+08	1.76E+08	59600000	9.56E+08	1.56E+09	1.51E+10	1.02E+10	5.69	12.7	9.78
1.25E+08	3.77E+08	78800000	1.24E+09	2.08E+09	3.32E+10	1.15E+10	55.7	12.2	11.5
1.57E+09	8.73E+08	0	1.71E+09	2.74E+09	1.13E+10	33500000	1.24	5.97	1.04
1.68E+09	5.05E+08	0	1.83E+09	2.87E+09	1.78E+10	3.53E+10	-31.4	12.5	57.4
1.81E+09	8.49E+08	0	1.95E+09	3.09E+09	1.14E+10	2.9E+10	21.8	7.72	58.5
1.85E+09	1.9E+08	0	2.02E+09	3.24E+09	8.36E+09	3.32E+10	-41.3	12.4	58.4
1.9E+09	14300000	0	2.06E+09	3.38E+09	1.31E+10	2.67E+10	3.83	3.52	57
2.35E+09	-9.94E+09	9.74E+08	3.45E+09	2.07E+10	1.01E+10	16500000	0.98	20	18.5
2.58E+09	-2.19E+08	8.56E+08	4.05E+09	2.05E+10	2.18E+10	3.42E+10	-18.7	-59.8	11.3
2.99E+09	-6E+08	9.89E+08	4.43E+09	2.12E+10	2.73E+10	2.36E+10	15.4	-1.89	12.6
3.73E+09	1.94E+09	1.22E+09	5.29E+09	2.55E+10	3.52E+10	2.63E+10	22.7	-3.7	14.1
4.53E+09	2.98E+09	1.28E+09	5.91E+09	2.78E+10	3.71E+10	3.28E+10	15.7	13.1	14.6
1.93E+09	5.85E+08	1.11E+09	2.46E+09	1.18E+10	2.91E+10	21200000	1.09	-4.16	8.81
2.13E+09	8.78E+08	1.73E+09	2.73E+09	1.38E+10	2.99E+10	2.8E+10	44.1	18.3	16.4
1.7E+09	7.19E+08	1.65E+09	2.25E+09	1.34E+10	1.56E+10	3.78E+10	3.32	25	15.4
1.78E+09	7.07E+08	1.05E+09	2.31E+09	1.21E+10	1.51E+10	3.87E+10	-46.9	16.1	12.7
1.79E+09	4.01E+09	4.84E+08	2.44E+09	1.18E+10	1.95E+10	2.49E+10	12.5	13.3	14.7
0	1.79E+10	0	7.42E+10	7.42E+10	2.05E+11	35600000	1.33	30.5	9.24
0	3.2E+10	0	9.37E+10	9.37E+10	3.91E+11	0	-13.9	6.66	0
0	2.75E+10	0	9.24E+10	9.24E+10	2.9E+11	0	46.8	11.8	0
0	2.65E+10	0	9.58E+10	9.58E+10	2.04E+11	0	-25.6	10.1	0
0	2.71E+10	0	9.61E+10	9.61E+10	3.25E+11	0	1.66	9.39	0
2.54E+09	1.1E+09	7.09E+08	4.64E+09	1.17E+10	3.96E+10	15900000	0.58	-24.6	-4.21
2.6E+09	1.28E+09	6.91E+08	4.87E+09	1.21E+10	3.95E+10	4.56E+10	-4.04	13.3	21.7
1.98E+09	-2.43E+09	3.77E+08	4.17E+09	1.01E+10	2.77E+10	4.38E+10	6.98	11.6	21.4
1.96E+09	2.66E+09	4.32E+08	4.22E+09	1.04E+10	1.62E+10	4.62E+10	-40.6	-41.5	19.7
1.89E+09	-6.49E+08	4.46E+08	4.21E+09	1.06E+10	1.83E+10	4.1E+10	-24.2	2.52	18.9
5.44E+09	1.6E+09	8.83E+08	8.71E+09	1.82E+10	6.7E+10	89700000	0.28	-6.96	6.84
4.45E+09	1.77E+09	1.13E+09	8.27E+09	1.85E+10	6.88E+10	9.25E+10	-8	6.97	29.9
4.77E+09	1.61E+09	9.98E+08	8.53E+09	1.87E+10	6.71E+10	8.83E+10	0.5	4.79	24
4.91E+09	1.26E+09	7.82E+08	8.72E+09	1.95E+10	7.28E+10	8.75E+10	1.12	6.35	25.5
5.5E+09	1.73E+09	7.14E+08	9.55E+09	2.06E+10	6.84E+10	8.78E+10	-4.12	5.13	25.2
8.04E+10	4.25E+10	1.3E+10	6.98E+10	2.46E+11	4.82E+11	4.44E+11	0.77	27.1	14.7
1.26E+11	8.99E+10	1.33E+10	1.15E+11	2.76E+11	6.5E+11	5.38E+11	2.37	9.83	32.7
-1.71E+10	-2.28E+10	1.55E+10	-2.8E+10	3.02E+11	6.61E+11	5.1E+11	29	18.8	45.6
1.36E+11	9.62E+10	1.94E+10	1.23E+11	3.64E+11	7.37E+11	6.43E+11	3.31	-4.42	-5.67
1.27E+11	8.9E+10	1.9E+10	1.14E+11	3.71E+11	9.81E+11	6.98E+11	15.5	18.5	37.2
3.51E+09	1.8E+09	7.13E+08	1.06E+10	4.73E+10	2.89E+10	14800000	1.24	9.61	31.6
3.88E+09	2.45E+09	7.37E+08	1.16E+10	5.18E+10	3.01E+10	2.55E+10	13.7	44.6	7.42
2.86E+09	1.42E+09	9.3E+08	9.91E+09	4.63E+10	1.54E+10	2.48E+10	1.81	64.5	7.49
2.65E+09	1.24E+09	7.95E+08	9.6E+09	4.35E+10	1.4E+10	2.5E+10	-21.1	48.8	6.18
2.6E+09	9.27E+08	7.06E+08	9.39E+09	4.15E+10	1.94E+10	2.07E+10	-2.41	42.4	6.1
2.34E+08	1.75E+08	49000000	5.32E+08	7.99E+08	9.73E+09	13100000	1.48	-6.65	7.83



3.31E+08	2.11E+08	38200000	7.02E+08	1.03E+09	2.05E+10	8.79E+09	44.7	12.3	29.3
3.48E+08	2.62E+08	44300000	7.65E+08	1.12E+09	1.16E+10	1.24E+10	62.9	12.4	32.1
3.17E+08	2.24E+08	51000000	7.7E+08	1.15E+09	8.96E+09	2.05E+10	-35.9	14.8	31
3.1E+08	1.58E+08	50400000	7.92E+08	1.2E+09	1.21E+10	1.31E+10	-6.9	11.8	27.7
5.11E+09	4E+09	4.25E+08	1.16E+10	1.34E+10	3.88E+10	1.13E+08	0.13	-40.9	10.4
3.92E+09	1.56E+09	2.58E+08	8.87E+09	1.1E+10	3.92E+10	5.37E+10	-17.5	33.8	38
3.54E+09	3.05E+09	2.4E+08	7.9E+09	1.02E+10	4.09E+10	4.09E+10	-2.02	16	35.7
2.38E+09	1.16E+09	2.77E+08	7.3E+09	9.84E+09	3.44E+10	3.94E+10	15.4	24.3	34.8
3E+09	1.63E+09	1.54E+08	7.37E+09	9.68E+09	2.64E+10	4.07E+10	-6.55	8.24	24.2
6.08E+09	4.93E+09	1.94E+08	8.27E+09	1.62E+10	9.14E+10	2.84E+08	1.46	26.3	14.4
7.9E+09	5.9E+09	3.41E+08	9.82E+09	1.94E+10	1.43E+11	8.07E+10	43.5	14.6	37.5
6.9E+09	5.18E+09	5.33E+08	8.68E+09	1.79E+10	9.99E+10	1.14E+11	26.9	16.2	40.8
6.77E+09	5.5E+09	3.44E+08	8.58E+09	1.79E+10	9.06E+10	1.42E+11	-22.6	12.9	38.6
8.21E+09	6.37E+09	2.55E+08	1.01E+10	2.04E+10	1.45E+11	1.09E+11	14.6	14.2	37.9
0	1.05E+09	1.12E+08	5.46E+09	6.19E+09	3.53E+10	9550000	1.77	31.7	28.9
0	5.86E+09	64300000	2.22E+10	2.22E+10	9.99E+10	0	15.9	15.2	0
0	1.75E+09	2.36E+08	8.02E+09	8.02E+09	6.91E+10	0	99.6	68.2	0
0	1.39E+09	2.24E+08	7.68E+09	7.68E+09	7E+10	0	-42.7	14.4	0
0	2.78E+09	61400000	1.27E+10	1.27E+10	1.32E+11	0	76.5	12.9	0
65400000	2.13E+08	1.38E+08	2.74E+09	9.5E+09	6.87E+10	32100000	2.72	9.88	14.4
2.73E+08	1.66E+08	1.34E+08	4.44E+09	1.77E+10	1.18E+11	2.67E+10	247.9	9.69	0.69
-3.38E+08	-5.41E+08	1.71E+08	6.06E+09	1.75E+10	3.66E+10	9.79E+10	-25.8	5.3	1.55
2.55E+08	9770000	1.51E+08	7.58E+09	2.19E+10	2.4E+10	7.51E+10	-61.1	-5.38	-1.93
1.35E+09	2.9E+09	1.54E+08	8.96E+09	2.41E+10	4.51E+10	3.77E+10	23.1	-0.12	1.16
9.65E+08	59000000	2.86E+08	4.78E+09	6.8E+09	6.64E+10	-1.35E+08	1.35	40.1	0
3.05E+09	1.17E+09	3.04E+08	8.78E+09	1.1E+10	9.94E+10	8.41E+10	8.45	1.09	14.2
5.31E+09	3.06E+09	3.68E+08	1.46E+10	1.71E+10	7.43E+10	9.25E+10	7.72	21	27.9
6.43E+09	4.29E+09	3.45E+08	1.81E+10	2.14E+10	9.95E+10	9.5E+10	-16	68.3	31.1
8.18E+09	5.88E+09	4.29E+08	2.04E+10	2.37E+10	1.48E+11	7.66E+10	76	22573.7	30.1
2.08E+09	-82000000	3.76E+08	6.67E+09	9.91E+09	4.9E+10	14200000	0.61	54.5	8.89
2.92E+09	1.04E+09	5.54E+08	8.13E+09	1.19E+10	6.14E+10	7.4E+10	-20.5	-0.56	20.9
3.17E+09	6.98E+08	5.88E+08	8.68E+09	1.27E+10	6.18E+10	5.9E+10	18.2	6.52	24.5
3.61E+09	1.59E+09	7.11E+08	9.85E+09	1.42E+10	7.33E+10	6.8E+10	8.92	4.08	25
4.27E+09	1.85E+09	7.9E+08	1.15E+10	1.67E+10	1.24E+11	7.49E+10	24.9	8.58	25.4
1.38E+10	-9E+09	7.53E+08	3.07E+10	4.25E+10	1.32E+11	8520000	0.34	10.2	-38.9
1.93E+10	6.99E+09	9.73E+08	3.64E+10	4.64E+10	1.3E+11	1.43E+11	-3.37	-20.1	32.5
1.94E+10	6.33E+09	1.12E+09	3.6E+10	4.62E+10	1.71E+11	1.64E+11	0.52	19	41.7
1.84E+10	8.03E+09	1.21E+09	3.45E+10	4.5E+10	1.04E+11	1.68E+11	15.4	18.9	42.1
1.94E+10	-8.95E+09	1.25E+09	3.64E+10	4.83E+10	1.07E+11	1.91E+11	-28.7	26.5	40.9
1.21E+10	3.95E+09	4.69E+08	1.8E+10	2.47E+10	1.41E+11	14200000	1.21	107.7	14.8
1.57E+10	7.83E+09	4.3E+08	2.12E+10	2.85E+10	2.19E+11	1.53E+11	38.6	16.4	48.9
1.99E+10	1.28E+10	4.26E+08	2.57E+10	3.44E+10	1.92E+11	2.12E+11	52	33.3	55
2.02E+10	1.16E+10	4.71E+08	2.89E+10	3.89E+10	3.47E+11	3.03E+11	-16	55.3	57.9

2.88E+10	1.01E+10	5.26E+08	4.16E+10	5.45E+10	8.25E+11	2.61E+11	99.6	24.7	51.9
9.82E+08	5.19E+08	61200000	1.33E+09	4.68E+09	1.59E+10	19800000	0.95	9.89	35.3
1.12E+09	5.4E+08	33100000	1.5E+09	5.37E+09	2.07E+10	1.58E+10	24	40.5	21
1.22E+09	5.33E+08	33600000	1.63E+09	5.83E+09	1.75E+10	1.94E+10	19.3	33.9	20.8
1.46E+09	6.84E+08	39300000	1.89E+09	6.32E+09	1.99E+10	2.6E+10	-26.6	30.1	21
1.64E+09	7.59E+08	57300000	2.08E+09	6.68E+09	2.48E+10	1.99E+10	53.4	35.5	23.1
8.08E+08	4.81E+08	70700000	1.17E+09	2.61E+09	1.23E+10	23500000	0.79	43.5	16.7
1.01E+09	5.87E+08	45000000	1.41E+09	3.05E+09	1.78E+10	1.24E+10	20.1	13.5	31
1.15E+09	6.72E+08	52000000	1.75E+09	3.57E+09	1.66E+10	1.47E+10	48.2	14.8	33.1
1.37E+09	8.71E+08	69000000	2.02E+09	4.21E+09	1.96E+10	2.12E+10	-18.9	15.3	32.3
1.6E+09	9.93E+08	82000000	2.31E+09	4.71E+09	3.03E+10	1.99E+10	24.8	17.1	32.5
1.15E+09	9.11E+08	70000000	2.05E+09	3.36E+09	3.22E+10	7000000	0.53	-33.5	28
1.2E+09	8.07E+08	83000000	2.26E+09	3.75E+09	3.19E+10	3.38E+10	17.5	40.7	34.2
1.29E+09	7.27E+08	1.92E+08	2.49E+09	4.18E+09	3.28E+10	3.87E+10	-8.27	32.4	32
1.29E+09	9.65E+08	2.15E+08	2.59E+09	4.26E+09	2.67E+10	3.53E+10	-9.85	26.2	31
1.26E+09	9.89E+08	1.97E+08	2.4E+09	4.05E+09	2.14E+10	3.28E+10	-13.1	30.7	30.3
6.83E+08	3.14E+08	1.12E+08	2.22E+09	8.56E+09	3.54E+09	39000000	1.63	-14.4	23.9
2.95E+09	1.73E+09	2.28E+08	5.85E+09	1.99E+10	1.21E+10	4.56E+09	60.6	31.7	7.98
4.27E+09	2.75E+09	3.4E+08	7.74E+09	2.27E+10	9.67E+09	6.31E+09	110	57.9	14.8
2.73E+09	1.54E+09	4.76E+08	6.01E+09	1.71E+10	1.34E+10	1.91E+10	-24.3	56.3	18.8
2.16E+09	1.08E+09	3.81E+08	5.38E+09	1.64E+10	2.01E+10	1.32E+10	157.3	31.8	16
1.85E+09	1.15E+09	3.65E+08	2.79E+09	4.14E+10	7.92E+09	80200000	0.65	-23	10.4
2.78E+09	2.08E+09	3.99E+08	3.58E+09	5.92E+10	1.3E+10	1.59E+10	14	17.9	4.46
2.86E+09	1.61E+09	5.55E+08	3.76E+09	6.72E+10	1.45E+10	1.71E+10	42.4	29.2	4.71
3.7E+09	2.24E+09	1.12E+09	4.85E+09	5.95E+10	1.55E+10	2.02E+10	6.87	18.5	4.25
2.03E+09	1.14E+09	1.38E+09	3.34E+09	5.31E+10	1.2E+10	2.07E+10	1.18	21.5	6.22
7.52E+08	5.06E+08	23100000	1.17E+09	1.62E+10	1.2E+10	14000000	0.91	19.6	29.7
1.15E+09	8.44E+08	34200000	1.61E+09	2.31E+10	1.26E+10	1.17E+10	20	28.5	4.64
1.37E+09	9.41E+08	61900000	1.89E+09	2.47E+10	1.21E+10	1.4E+10	14.7	43.3	4.97
5.92E+08	3.25E+08	30000000	1.16E+09	1.76E+10	9.39E+09	1.58E+10	-14.9	55.7	5.53
7.63E+08	4.66E+08	22700000	1.33E+09	1.77E+10	1.29E+10	1.32E+10	-5.65	23.5	3.37
1.63E+09	7.52E+08	2.67E+08	4.82E+09	2.38E+10	1.65E+10	30600000	1.36	41	11.3
2.09E+09	1.84E+09	2.1E+08	6.17E+09	2.77E+10	3.41E+10	2.4E+10	2.33	11	6.83
2.03E+09	1.41E+09	2.6E+08	6.62E+09	3.08E+10	2.19E+10	2.35E+10	73	21.8	7.54
1.83E+09	9.86E+08	3.05E+08	6.3E+09	3.19E+10	2.01E+10	3.79E+10	-29.1	15.9	6.59
2.15E+09	9.68E+08	3.07E+08	7.02E+09	3.58E+10	3.97E+10	2.77E+10	21	11.6	5.72
1.6E+09	7.89E+08	1.58E+08	3.21E+09	1.85E+10	1.75E+10	18300000	1	-23.4	49
1.65E+09	9.89E+08	1E+08	3.57E+09	2.08E+10	2.57E+10	2.42E+10	-7.74	69.9	8.69
2.03E+09	1.11E+09	1.28E+08	4.69E+09	2.37E+10	2.34E+10	2.23E+10	55.4	98.7	7.9
2E+09	1.1E+09	1.48E+08	4.65E+09	2.14E+10	2.64E+10	3.21E+10	-12.8	96.5	8.53
1.95E+09	1.08E+09	1.23E+08	4.6E+09	2.1E+10	2.6E+10	3.06E+10	27.3	60.6	9.35
1.49E+09	3.17E+08	3.09E+08	8.01E+08	4.12E+09	5.91E+09	29100000	0.92	7.32	18.5
3.07E+09	9.17E+08	5.14E+08	2.39E+09	6.54E+09	1.22E+10	1.7E+10	-18.9	7.69	36.1

6.42E+09	3.35E+09	4.53E+08	5.86E+09	1.12E+10	2.11E+10	1.46E+10	82.8	21.7	46.9
3.13E+09	1.53E+09	4.99E+08	2.55E+09	6.63E+09	1.57E+10	2.08E+10	20.4	56.7	57.4
2.65E+09	1.22E+09	5.18E+08	2.06E+09	5.94E+09	1.48E+10	2.04E+10	-6.69	22.7	47.2
3.14E+09	2.11E+09	1.98E+08	4.88E+09	4.88E+09	5.41E+10	77200000	0.43	10.3	13.2
2.99E+09	2.64E+09	1.27E+08	4.69E+09	4.69E+09	7.92E+10	7.52E+10	-9.3	8.02	64.3
3.37E+09	2.69E+09	89700000	5.02E+09	5.02E+09	6.28E+10	6.8E+10	25.5	9.81	63.8
3.81E+09	3.23E+09	76400000	5.57E+09	5.57E+09	7.6E+10	8.46E+10	-26.4	9.92	67
4.27E+09	3.53E+09	94000000	6.12E+09	6.12E+09	8.18E+10	6.22E+10	25.2	12	68.4
2.25E+09	7.55E+08	2.31E+09	2.63E+09	6.42E+09	1.81E+10	27800000	0.4	14.8	11.2
2.29E+09	1.35E+09	2.08E+09	2.65E+09	7.33E+09	1.75E+10	3.07E+10	-2.91	12.5	35.1
2.42E+09	8.37E+08	2.37E+09	2.76E+09	8.6E+09	1.68E+10	3.27E+10	6.62	11	31.2
2.47E+09	8.87E+08	3.22E+09	2.86E+09	7.46E+09	1.58E+10	3.22E+10	-2.64	10.9	28.2
2.7E+09	1E+09	3.02E+09	3.21E+09	7.52E+09	2.09E+10	3.28E+10	-8.31	10.3	33.1
5.76E+09	2.77E+09	1.63E+09	5.76E+09	1.06E+10	6.04E+10	6640000	1.29	-6.92	28.3
6.65E+09	3.78E+09	1.79E+09	6.65E+09	1.25E+10	8.02E+10	7.1E+10	25.4	22.1	54.4
7.32E+09	4.11E+09	2.11E+09	7.32E+09	1.49E+10	6.14E+10	8.35E+10	24.3	28.4	53.1
7.1E+09	3.67E+09	2.26E+09	7.1E+09	1.47E+10	5.81E+10	9.81E+10	-17.6	31.5	49.3
7.07E+09	3.47E+09	2.53E+09	7.07E+09	1.45E+10	6.47E+10	8.14E+10	11.9	29.8	48.5
1.81E+10	7.18E+09	2.44E+09	4.82E+10	2.68E+11	7.34E+10	60900000	0.61	-43.1	6.02
1.86E+10	8E+09	2.52E+09	5.09E+10	2.91E+11	1.18E+11	1.79E+11	-8.06	10.8	6.76
2E+10	4.31E+09	2.73E+09	5.37E+10	3.22E+11	1.24E+11	1.65E+11	51	11	6.41
1.84E+10	8.34E+09	3.03E+09	5.33E+10	3.57E+11	8.74E+10	2.02E+11	-9.66	5.88	6.21
1.26E+10	4.61E+09	2.78E+09	4.92E+10	3.71E+11	7.09E+10	1.74E+11	-15.3	11.3	5.17
8.03E+08	5.91E+08	94800000	2.38E+09	2.68E+09	3.05E+10	16300000	0.99	10.3	26.1
9.23E+08	6.96E+08	65300000	2.68E+09	2.99E+09	4.8E+10	1.93E+10	96.7	25.7	29.9
1.22E+09	8.49E+08	1.23E+08	3.19E+09	3.56E+09	4.16E+10	3.74E+10	36.6	26.6	30.9
1.42E+09	1.04E+09	1.02E+08	3.65E+09	4.09E+09	6.36E+10	5.1E+10	-13.8	31	34.1
1.59E+09	1.06E+09	1.43E+08	3.99E+09	4.64E+09	7.95E+10	4.38E+10	69.6	33.9	34.7
5.89E+08	1.24E+08	7500000	6.43E+08	1.07E+09	8.98E+09	42600000	0.81	16.9	3.49
6.57E+08	3.04E+08	4030000	7.17E+08	1.17E+09	1.67E+10	1.27E+10	-5.82	3.56	55.3
8.36E+08	6.54E+08	4410000	9.05E+08	1.43E+09	1.22E+10	1.25E+10	78.8	8.03	56.4
9E+08	4.03E+08	5600000	9.62E+08	1.55E+09	8.96E+09	2.11E+10	-37.4	14.2	58.3
8.84E+08	1.63E+08	3800000	9.56E+08	1.56E+09	1.25E+10	1.56E+10	-11.3	8.12	58.2
0	2.71E+09	7.1E+08	1.83E+10	1.83E+10	3.34E+10	1.55E+08	1.18	36	7.99
0	1.24E+10	6.98E+08	3.24E+10	3.24E+10	6.5E+10	0	-3.95	4.6	0
0	7.36E+09	9.34E+08	2.84E+10	2.84E+10	4.09E+10	0	46.8	20.4	0
0	4.89E+09	9.61E+08	2.64E+10	2.64E+10	3.84E+10	0	-35.9	13	0
0	4.75E+09	1.2E+09	2.74E+10	2.74E+10	6.36E+10	0	41	8.83	0
1.27E+09	7.52E+08	2.07E+08	2.9E+09	1.99E+10	1.42E+10	33100000	1.27	6.54	7.52
1.84E+09	1.2E+09	2.68E+08	4.01E+09	3.06E+10	2.22E+10	2.98E+10	7.74	19.2	6.38
1.14E+09	5.76E+08	4.01E+08	3.63E+09	3.31E+10	1.01E+10	3.06E+10	37.9	26	6.02
1.01E+09	4.98E+08	4.59E+08	3.28E+09	2.82E+10	9.63E+09	3.96E+10	-53.2	10.9	3.46
9.92E+08	4.61E+08	4.5E+08	3.39E+09	2.78E+10	1.15E+10	2.77E+10	26	8.64	3.58

2.74E+09	1.38E+09	4E+08	6.97E+09	1.56E+11	1.34E+10	-11600000	0.72	17.3	0
2.37E+09	5.55E+08	3.67E+08	6.55E+09	1.71E+11	1.36E+10	2.2E+10	5.89	93	1.75
2.28E+09	-1.27E+09	4.01E+08	6.56E+09	1.93E+11	2.02E+10	1.97E+10	-3.86	37.4	1.38
2.76E+09	7.06E+08	5.32E+08	7.19E+09	2.16E+11	2.24E+10	1.77E+10	49.3	0	1.18
2.99E+09	1.31E+09	4.94E+08	7.66E+09	2.22E+11	2.61E+10	2.19E+10	31.1	0	1.28
-2.68E+09	-1E+10	3.62E+09	8.34E+08	5.59E+09	1.16E+10	6770000	2.69	34.4	23.8
-4.05E+09	-9.5E+09	3.61E+09	-8.09E+08	1.91E+09	2.48E+10	4.53E+10	-57.4	-44.6	-47.8
-1.68E+09	-6.09E+09	4.94E+09	3.81E+09	1.22E+10	1.11E+10	4.12E+10	-7.11	-58.1	-212.3
4.23E+09	-74000000	3.28E+09	1.08E+10	2.16E+10	1.43E+10	4.74E+10	-59.9	-63.4	-13.8
6.08E+09	1.92E+09	4.63E+09	1.34E+10	2.5E+10	2.84E+10	4.18E+10	130	-1.06	19.6
2.41E+09	1.98E+09	3.12E+08	5.13E+09	1.75E+10	2.89E+10	15700000	1.25	18.8	10.4
2.91E+09	1.66E+09	3.44E+08	6.01E+09	2.06E+10	4.53E+10	0	0	19.1	13.8
2.29E+09	3.53E+09	3.17E+08	4.3E+09	1.73E+10	3.34E+10	4.18E+10	43.8	24.9	14.1
2.7E+09	1.35E+09	4.39E+08	5.18E+09	1.9E+10	3.97E+10	5.49E+10	-23.9	42.3	13.2
3.56E+09	5.6E+09	5.19E+08	6.02E+09	2.25E+10	6.6E+10	4.12E+10	39.3	17.3	14.2
7.27E+09	3E+09	2.12E+09	1.01E+10	4.17E+10	8.5E+10	40800000	1.47	22.7	55.3
1.06E+10	6.49E+09	2.47E+09	1.32E+10	5.1E+10	1.12E+11	1.14E+11	23.3	20	17.4
1.2E+10	6.71E+09	2.6E+09	1.56E+10	5.94E+10	1.16E+11	1.29E+11	13.6	40.7	20.8
1.58E+10	1.03E+10	3.09E+09	2.13E+10	6.71E+10	1.24E+11	1.4E+11	15.9	41.4	20.2
1.56E+10	1.08E+10	3.22E+09	2.11E+10	6.48E+10	1.84E+11	1.54E+11	23.4	58.4	23.6
8.66E+08	4.68E+08	47400000	1.25E+09	3.43E+09	8.78E+09	39800000	0.44	9.43	18.5
9.79E+08	5.29E+08	51000000	1.48E+09	3.49E+09	1.41E+10	1.4E+10	-22.4	14	25.3
1.12E+09	2.35E+08	59800000	1.74E+09	3.96E+09	1.33E+10	1.09E+10	40	15.2	28
1.2E+09	7.61E+08	45000000	1.92E+09	3.77E+09	1.73E+10	1.49E+10	-3.78	6.65	28.4
1.31E+09	7.65E+08	60900000	2.07E+09	4.09E+09	2.19E+10	1.49E+10	42.3	20.4	31.8
2.65E+09	-3.22E+09	3.68E+08	5.42E+09	1.95E+11	1.96E+10	6790000	0.63	9.4	198.1
3.35E+09	1.61E+09	4.53E+08	7.38E+09	2.21E+11	2.54E+10	1.87E+10	15	-250.8	1.36
3.41E+09	1.73E+09	4.92E+08	8.37E+09	2.42E+11	3.3E+10	2.01E+10	35.9	3606.7	1.52
3.74E+09	1.87E+09	4.57E+08	9.15E+09	2.72E+11	3.72E+10	3.33E+10	24.7	502	1.41
4.18E+09	1.4E+09	5.19E+08	9.9E+09	3.03E+11	4.5E+10	3.71E+10	23.9	327.7	1.38
5.47E+09	1.81E+09	8.69E+08	1.8E+10	1.04E+11	3.43E+10	51000000	0.48	-18.4	12.6
5.41E+09	1.35E+09	9.1E+08	2E+10	1.19E+11	4.16E+10	2.78E+10	-4.52	9.28	5.25
5.81E+09	1.2E+09	1E+09	2.45E+10	1.36E+11	4.86E+10	4.08E+10	37.3	5.04	4.57
6.21E+09	2.7E+09	7.99E+08	2.25E+10	1.41E+11	3.63E+10	5.76E+10	-0.47	4.69	4.27
6.19E+09	3.31E+09	6.44E+08	2.15E+10	1.47E+11	3.12E+10	5.32E+10	-9.51	10.8	4.39
2.25E+09	-7.73E+08	2.6E+09	2.93E+09	7.42E+09	1.15E+10	16500000	0.56	11.1	10
2.47E+09	1.49E+09	3.16E+09	3.33E+09	8.35E+09	1.54E+10	2.93E+10	-20.6	5.78	30.4
2.65E+09	1.06E+09	4.42E+09	3.57E+09	9.32E+09	1.81E+10	2.65E+10	29	7.52	29.6
2.97E+09	9.17E+08	4.4E+09	3.72E+09	8.7E+09	1.7E+10	3.34E+10	7.45	10.9	28.4
3.33E+09	1.02E+09	4.51E+09	3.99E+09	8.64E+09	1.91E+10	3.47E+10	-4.73	9.31	34.2
6.74E+08	3.64E+08	1.67E+08	1.07E+09	2.92E+09	1.13E+10	76100000	1.5	-21.9	0.71
9E+08	3.91E+08	2.29E+08	1.34E+09	3.54E+09	2.26E+10	9.38E+09	63.6	19.2	23.1
9.69E+08	4.86E+08	3.25E+08	1.47E+09	3.98E+09	1.09E+10	1.44E+10	50.8	16.8	25.4

9.66E+08	4.75E+08	3.19E+08	1.53E+09	4.13E+09	8.44E+09	2.2E+10	-42.2	17.5	24.4
8.98E+08	22200000	2.33E+08	1.41E+09	4.05E+09	9.37E+09	1.43E+10	8.49	14.4	23.4
1.81E+10	3.22E+09	7.42E+09	2.71E+10	4.81E+10	1.21E+11	1.2E+08	1.05	-11.8	34
2.05E+10	4.65E+09	7.64E+09	2.75E+10	5.17E+10	1.21E+11	1.87E+11	36.4	10.6	37.6
2.14E+10	5.06E+09	9.38E+09	2.9E+10	5.4E+10	5.71E+10	2.19E+11	-1.45	22	39.7
2.1E+10	4.56E+09	1.11E+10	2.93E+10	5.46E+10	5.77E+10	2.11E+11	-48	38.1	39.6
2.19E+10	5.08E+09	1.13E+10	3.01E+10	5.51E+10	4.73E+10	1.53E+11	14.6	38.6	38.4
1.31E+10	-5.54E+09	8.92E+09	4.22E+10	9.4E+10	1.34E+11	85200000	0.81	-2.9	11.3
3.36E+10	1.56E+10	8.06E+09	6.36E+10	1.55E+11	2.21E+11	2.54E+11	-29.9	-4	14
5.74E+10	3.55E+10	1.2E+10	9.17E+10	2.36E+11	3.52E+11	1.91E+11	39	11.5	21.7
4.22E+10	2.14E+10	1.58E+10	7.65E+10	1.95E+11	2.75E+11	2.58E+11	53	23.7	24.4
4.01E+10	1.77E+10	1.64E+10	7.73E+10	1.96E+11	2.71E+11	3.56E+11	-16.9	13.3	21.7
5.59E+08	3.56E+08	3.73E+08	2.07E+09	5.98E+09	3.36E+10	2680000	0.99	31.8	45.7
1.08E+09	6.53E+08	4.43E+08	2.9E+09	7.55E+09	5.01E+10	2.53E+10	65.7	19.2	9.35
1.47E+09	8.99E+08	4.79E+08	3.37E+09	8.63E+09	4.17E+10	4.09E+10	26.1	30.2	14.3
1.92E+09	1.23E+09	5.61E+08	4.01E+09	9.87E+09	5.24E+10	5.17E+10	-20.6	38.5	17
2.29E+09	1.53E+09	5.94E+08	4.59E+09	1.13E+10	7.6E+10	4.14E+10	64.8	45.3	19.4
4.43E+09	3.53E+09	0	7.59E+09	3.65E+10	5.86E+10	1.68E+08	0.55	22.3	14.6
7.8E+09	8.53E+09	0	1.1E+10	4.05E+10	8.42E+10	8.57E+10	-1.12	6.16	12.1
6.99E+09	5.25E+09	0	1.05E+10	4.27E+10	8.9E+10	8.8E+10	25.6	14.3	19.2
9.76E+09	9.03E+09	0	1.38E+10	4.98E+10	8.72E+10	1.01E+11	14.1	9.52	16.4
1.18E+10	9.27E+09	0	1.61E+10	5.6E+10	1.14E+11	1.1E+11	2.45	15.8	19.6
1.11E+09	7.86E+08	98900000	2.21E+09	4.9E+09	2.2E+10	17400000	0.43	10.7	14.2
1.19E+09	8.28E+08	1.19E+08	2.26E+09	5.19E+09	2.13E+10	1.95E+10	24	27.6	22.6
1.2E+09	4.14E+08	1.79E+08	2.25E+09	5.38E+09	1.86E+10	2.31E+10	17.5	26.5	22.9
1.26E+09	7.56E+08	2.24E+08	2.59E+09	5.87E+09	2.23E+10	2.68E+10	-21.4	12.3	22.4
1.37E+09	5.85E+08	1.8E+08	2.79E+09	6.11E+09	2.46E+10	2.19E+10	17.3	20.6	21.4
1.66E+09	1.22E+09	20000000	1.66E+09	7.54E+09	1.14E+10	88900000	0.73	38.9	17.6
3.87E+09	2.97E+09	15000000	3.85E+09	9.63E+09	1.96E+10	1.73E+10	-16.9	11.8	22.1
-5.14E+08	-4.87E+08	15000000	-5.34E+08	6.56E+09	1.63E+10	1.41E+10	30.4	24.8	40.2
2.44E+09	1.84E+09	18000000	2.44E+09	1E+10	1.57E+10	1.82E+10	-10.1	-4.12	-7.83
3.04E+09	2.29E+09	22000000	3.04E+09	1.13E+10	2.24E+10	1.59E+10	1.05	16.3	24.4
1.52E+09	9.64E+08	1.62E+08	3.18E+09	6.93E+09	3.29E+10	10700000	1	21.3	41.3
1.75E+09	1.15E+09	1.94E+08	3.46E+09	7.43E+09	4.48E+10	3.06E+10	31.4	28.8	21.9
1.99E+09	1.29E+09	2.78E+08	3.89E+09	8.38E+09	4.34E+10	3.91E+10	25.4	32.2	23.5
2.22E+09	1.43E+09	3.85E+08	4.41E+09	9.19E+09	5.12E+10	4.84E+10	1.91	36.8	23.7
2.6E+09	1.71E+09	4.03E+08	4.93E+09	9.94E+09	8.38E+10	4.89E+10	33.4	38.6	24.1
1.52E+10	1.01E+10	7.37E+08	3.08E+10	4.8E+10	1.52E+11	11300000	0.97	17.2	20
1.6E+10	1.18E+10	5.66E+08	3.26E+10	5.15E+10	2.36E+11	1.95E+11	-6.69	27.1	31.7
1.58E+10	1.13E+10	5.91E+08	3.29E+10	5.32E+10	1.87E+11	1.75E+11	41.6	30.1	31
1.77E+10	1.34E+10	8.07E+08	3.68E+10	5.72E+10	2.09E+11	2.55E+11	-24.8	27.9	29.7
1.46E+10	9.19E+09	7.93E+08	3.53E+10	5.42E+10	2.22E+11	1.86E+11	6.05	30.6	30.9
0	1.1E+10	3.45E+09	5.96E+10	5.96E+10	8.62E+10	1.02E+08	1.36	36.8	6.18

0	2.2E+10	4.12E+09	7.5E+10	7.5E+10	1.37E+11	0	-22.8	5.64	0
0	1.48E+10	5.63E+09	7.06E+10	7.06E+10	8.93E+10	0	-2.06	10.9	0
0	9.23E+09	6.58E+09	7.07E+10	7.07E+10	7.5E+10	0	-25.1	7.5	0
0	1.27E+10	6.5E+09	7.14E+10	7.14E+10	1.23E+11	0	13.7	4.6	0
0	1.06E+09	1.18E+08	5.29E+09	5.29E+09	1.16E+10	51000000	1.14	32	6.21
0	2.32E+09	1.24E+08	7.06E+09	7.06E+09	2.02E+10	0	-11.9	4.71	0
0	2.07E+09	1.26E+08	7.55E+09	7.55E+09	2.03E+10	0	32.1	10.1	0
0	1.61E+09	1.72E+08	7.54E+09	7.54E+09	1.09E+10	0	-16.7	8.8	0
0	1.51E+09	1.22E+08	7.12E+09	7.12E+09	1.9E+10	0	-15.8	6.7	0
4.06E+08	2.27E+08	48300000	1.35E+09	1.66E+09	3.25E+10	18500000	0.87	-18.1	1.86
5.72E+08	2.93E+08	1.89E+08	1.59E+09	1.94E+09	3.4E+10	2.07E+10	54.5	5.17	24.5
5.98E+08	3.7E+08	93800000	1.77E+09	2.18E+09	3.37E+10	3.37E+10	-14.5	5.28	29.4
3.9E+08	3.75E+08	1.43E+08	1.96E+09	2.46E+09	2.89E+10	2.86E+10	-2.21	5.87	27.4
1.52E+08	1.39E+08	6.38E+08	2.18E+09	2.74E+09	3.01E+10	2.78E+10	13.1	5.27	15.9
2.86E+09	1.39E+09	3.98E+08	5.98E+09	1.67E+10	3.82E+10	29700000	0.95	1.81	16.2
3.37E+09	2.14E+09	2.79E+08	6.9E+09	1.85E+10	4.1E+10	3.26E+10	32.1	12.7	17.2
3.5E+09	2.29E+09	3.32E+08	6.98E+09	1.94E+10	3.26E+10	4.27E+10	8.26	18.7	18.2
3.42E+09	2.13E+09	3.17E+08	6.69E+09	1.94E+10	3.22E+10	4.59E+10	-35.5	18.8	18
3.52E+09	2.24E+09	2.97E+08	6.78E+09	1.97E+10	3.69E+10	2.82E+10	32.1	16.7	17.7
4.38E+08	3.22E+08	9910000	1.14E+09	1.27E+09	0	33800000	3.68	42.8	31.2
3.34E+09	3.62E+09	0	6.57E+09	7.84E+09	6.74E+10	0	0	24.9	34.4
-2.56E+09	-2.62E+09	0	2.52E+09	3.15E+09	1.62E+10	0	0	91.7	42.6
-36300000	94900000	0	2.51E+09	2.93E+09	1.75E+10	5.19E+10	-86	-44.4	-81.3
2.16E+09	2.58E+09	0	5.4E+09	6.29E+09	5.3E+10	6.71E+09	391.4	1.62	-1.24
4.33E+09	2.7E+09	4.1E+08	1E+10	1.65E+10	6.76E+10	620000	0.34	14.1	406.3
4.37E+09	2.17E+09	5.67E+08	1.04E+10	1.74E+10	6.42E+10	6.72E+10	24.2	344.8	26.3
4.11E+09	1.79E+09	6.96E+08	1.02E+10	1.8E+10	6.23E+10	7.99E+10	-0.2	225.7	25.1
4.51E+09	2.3E+09	7.05E+08	1.13E+10	1.95E+10	6.08E+10	7.9E+10	-7.68	221.4	22.9
4.86E+09	2.89E+09	5.61E+08	1.22E+10	2.01E+10	7.73E+10	7.33E+10	1.17	278.5	23.2
3.06E+10	1.05E+10	1.07E+10	7.04E+10	1.04E+11	1.93E+11	22300000	0.94	-14.4	18.7
3.46E+10	1.42E+10	1.02E+10	7.79E+10	1.16E+11	2.35E+11	3.09E+11	16.5	12	29.5
3.64E+10	5.37E+09	1.1E+10	8.32E+10	1.21E+11	1.38E+11	3.38E+11	-3.95	14.5	29.7
3.76E+10	1.54E+10	1.24E+10	8.48E+10	1.22E+11	1.63E+11	3.23E+11	-30.5	5.47	30
3.81E+10	1.62E+10	1.23E+10	8.67E+10	1.24E+11	1.64E+11	2.44E+11	25.4	18.3	31
2.4E+09	1.11E+09	4.68E+08	3.31E+09	1.15E+10	1.71E+10	19400000	0.04	-3.18	5.52
2.09E+09	1.1E+09	4.82E+08	2.91E+09	1.12E+10	1.54E+10	2.69E+10	5.9	13.8	20.8
2.2E+09	6.82E+08	3.95E+08	3.05E+09	1.2E+10	1.76E+10	2.73E+10	-5.82	12.8	18.6
2.28E+09	9.85E+08	3.88E+08	3.29E+09	1.22E+10	1.3E+10	2.59E+10	13.3	7.79	18.3
2.19E+09	4.93E+08	3.9E+08	3.25E+09	1.19E+10	1.4E+10	2.76E+10	-25.9	11.1	18.7
4.8E+09	-2.7E+09	4.72E+09	6.79E+09	1.92E+10	3.06E+10	47300000	0.64	-14.6	16.2
2.03E+10	8.08E+09	5.32E+09	2.29E+10	4.67E+10	9.97E+10	7.71E+10	-38.5	-8.18	25
3.49E+10	1.87E+10	1.02E+10	3.96E+10	8.06E+10	1.62E+11	5.08E+10	80.5	21.5	43.5
2.48E+10	1.1E+10	1.12E+10	2.82E+10	5.79E+10	1.41E+11	1.03E+11	63.5	40	43.3

2.43E+10	9.25E+09	1.21E+10	2.77E+10	5.65E+10	1.2E+11	1.54E+11	-1.64	22.5	42.8
4.37E+09	1.1E+09	3.94E+09	7.15E+09	1.22E+10	2.63E+10	64000000	0.31	-1.91	8.44
4.72E+09	1.35E+09	3.95E+09	7.67E+09	1.37E+10	2.66E+10	5.18E+10	-20.1	6.14	35.7
5.03E+09	1.66E+09	4.17E+09	7.69E+09	1.57E+10	3.14E+10	4.88E+10	18.1	6.06	34.5
5.11E+09	2.52E+09	4.49E+09	7.41E+09	1.47E+10	3.02E+10	5.47E+10	11.7	7.76	32.1
5.44E+09	1.82E+09	4.77E+09	8.17E+09	1.53E+10	3.56E+10	6E+10	-4.55	12	34.8
3.25E+09	2.01E+09	6.56E+08	4.49E+09	8.56E+09	3.2E+10	53500000	0.66	-8.58	8.33
3.24E+09	-52900000	9.96E+08	4.62E+09	8.67E+09	4.07E+10	5E+10	15.4	16	38
3.45E+09	1.01E+08	1.11E+09	4.95E+09	9.56E+09	4.64E+10	5.39E+10	14.6	-0.11	37.4
3.6E+09	1.56E+09	1.26E+09	4.94E+09	9.82E+09	4.3E+10	5.78E+10	-7.66	1.42	36
3.89E+09	6.86E+08	1.29E+09	5.25E+09	1.02E+10	4.27E+10	5.39E+10	4.31	17.1	36.7
4.31E+09	5.89E+08	1.75E+09	3.28E+09	1.76E+10	0	39600000	1.12	91.4	30.1
3.81E+09	-2.05E+08	1.36E+09	2.75E+09	1.96E+10	0	0	0	3.8	24.5
2.92E+09	-1.6E+08	1.72E+09	2.14E+09	2.44E+10	3.07E+10	0	0	-0.63	19.4
4.22E+09	1.62E+09	4.11E+09	3.3E+09	2.49E+10	3.63E+10	0	0	-1.45	12
6.97E+09	3.75E+09	2.6E+09	5.99E+09	2.36E+10	8.19E+10	3.27E+10	35.6	13.9	16.9
1.01E+09	7.07E+08	4.75E+08	1.14E+09	2.29E+09	2.6E+10	7420000	1.03	17.1	19.2
1.42E+09	1.09E+09	3.36E+08	1.56E+09	3.16E+09	3.68E+10	2.15E+10	39.9	27.9	44.3
1.52E+09	1.08E+09	4.38E+08	1.65E+09	3.67E+09	2.77E+10	3E+10	19.2	31	45
1.75E+09	1.36E+09	5.45E+08	1.9E+09	4.06E+09	4.14E+10	3.52E+10	-19.7	23.3	41.3
1.89E+09	1.45E+09	5.79E+08	2.11E+09	4.51E+09	5.04E+10	2.76E+10	60.9	22.6	43.1
2.87E+09	5.12E+08	1.38E+09	3.97E+09	1.13E+10	2.44E+10	13200000	1.13	56.1	5.16
3.77E+09	1.91E+09	1.64E+09	5.14E+09	1.41E+10	3.04E+10	3.09E+10	23.7	3.96	25.3
3.29E+09	1.32E+09	1.6E+09	4.84E+09	1.42E+10	2.75E+10	3.63E+10	3.42	14.9	26.8
2.56E+09	5.81E+08	1.39E+09	4.21E+09	1.26E+10	2.27E+10	3.76E+10	-14.2	11.2	23.2
2.74E+09	5.06E+08	9.65E+08	4.49E+09	1.31E+10	3.91E+10	3.31E+10	-4.66	5.37	20.3
1.27E+09	7.04E+08	78400000	1.88E+09	2.39E+09	1.86E+10	46800000	0.97	19.7	31.2
1.53E+09	8.4E+08	1.12E+08	2.27E+09	2.83E+09	2.04E+10	2.85E+10	-5.18	19.9	53.2
1.77E+09	9.54E+08	1.51E+08	2.66E+09	3.43E+09	1.42E+10	2.65E+10	-18	27	53.9
1.99E+09	9.82E+08	1.54E+08	2.94E+09	3.76E+09	1.65E+10	2.26E+10	-17.9	35.3	51.5
2.11E+09	1E+09	1.75E+08	3.11E+09	3.97E+09	2.3E+10	1.94E+10	53.9	33.7	53
2.39E+09	6.81E+08	4.75E+08	5.71E+09	1.42E+10	2.47E+10	35700000	0.77	18.9	3.5
3.88E+09	1.76E+09	5.73E+08	6.44E+09	1.57E+10	3.17E+10	2.45E+10	31	3.05	16.8
3.31E+09	1.15E+09	6.05E+08	7.02E+09	1.75E+10	4.74E+10	2.94E+10	22.1	7.19	24.8
3.21E+09	7.35E+08	5.95E+08	7.32E+09	1.72E+10	3.42E+10	3.43E+10	24.3	4.75	19
3.18E+09	9.07E+08	5.97E+08	7.38E+09	1.69E+10	4.26E+10	4.28E+10	-18.5	3.7	18.7
7.48E+09	4.32E+09	2.99E+09	2.28E+10	1.73E+11	1.58E+11	53000000	0.96	38.8	29.9
9.41E+09	5.17E+09	3.75E+09	2.59E+10	2.03E+11	2.17E+11	1.3E+11	28.2	27.8	4.33
9.77E+09	5.88E+09	3.89E+09	2.78E+10	2.31E+11	2.26E+11	1.63E+11	50.7	30.6	4.64
1.09E+10	6.52E+09	4.31E+09	3.08E+10	2.46E+11	2.46E+11	2.49E+11	-19.6	29.3	4.23
1.18E+10	7.58E+09	4.93E+09	3.28E+10	2.59E+11	3.9E+11	2E+11	44.6	27.4	4.43
6.87E+08	2.01E+08	5.76E+08	7.61E+08	1.41E+09	7.09E+09	17700000	0.27	0.08	8.57
2.26E+09	1.16E+09	7.28E+08	2.85E+09	3.67E+09	1.73E+10	8.28E+09	-6.49	9.2	48.9

6.85E+09	4.07E+09	1.71E+09	8.1E+09	9.51E+09	2.39E+10	7.69E+09	16.7	16.5	61.6
3.8E+09	1.63E+09	2.1E+09	4.15E+09	5.48E+09	2.06E+10	1.64E+10	29.3	33.2	71.9
3.23E+09	1.12E+09	1.77E+09	3.83E+09	5.24E+09	1.78E+10	2.13E+10	3.87	12.6	69.3
-6E+07	-92600000	52800000	6.45E+08	8.74E+08	2.72E+10	9330000	1.19	34	-0.59
-86100000	-2.35E+08	1.12E+08	1.07E+09	1.45E+09	6.43E+10	9.42E+09	324.7	-11.5	-6.89
-1.18E+08	-1.83E+08	2.35E+08	1.64E+09	2.24E+09	3.82E+10	4.59E+10	-3.34	-24.3	-5.93
1.06E+08	89300000	1.77E+08	2.3E+09	3.06E+09	4.17E+10	4.58E+10	-48.6	-14.4	-5.26
1.02E+08	-19300000	2.55E+08	2.96E+09	3.95E+09	7.54E+10	2.3E+10	142.5	4.74	3.47
3.16E+09	1.06E+09	1.62E+09	3.89E+09	5.84E+09	6.74E+10	11300000	0.96	-21.2	-124.9
3.61E+09	1.1E+09	1.23E+09	4.35E+09	6.34E+09	7.79E+10	8.25E+10	12	10.6	54
4.12E+09	1.68E+09	1.31E+09	4.92E+09	6.99E+09	5.74E+10	9.37E+10	31.1	13.1	57
4.2E+09	1.5E+09	1.42E+09	5E+09	6.98E+09	3.91E+10	1.17E+11	-35	21.3	59
3.97E+09	-3.9E+09	1.22E+09	4.72E+09	6.57E+09	4.69E+10	8.63E+10	-15.1	21.7	60.1
2.49E+09	1.79E+09	5.28E+08	4.89E+09	1.98E+10	3.25E+10	79500000	1.04	45.5	38.4
2.86E+09	2.13E+09	7.34E+08	5.7E+09	2.4E+10	3.44E+10	2.93E+10	26.9	20.8	12.6
3.47E+09	2.15E+09	9.16E+08	6.74E+09	2.81E+10	3.45E+10	3.59E+10	-3.95	23.5	11.9
4.46E+09	7.35E+08	1.21E+09	8.25E+09	3.41E+10	3.08E+10	3.35E+10	11.1	22.2	12.4
4.84E+09	3.95E+09	1.21E+09	8.55E+09	3.41E+10	4.55E+10	4.12E+10	-1.12	8.35	13.1
3.56E+09	2.73E+09	3.08E+08	5.26E+09	2.22E+10	2.43E+10	78700000	1.4	-8	19.2
5.92E+09	4.53E+09	1.96E+08	7.98E+09	2.89E+10	3.2E+10	2.17E+10	30.7	23.6	16
7.54E+09	5.67E+09	1.65E+08	9.91E+09	3.37E+10	2.71E+10	2.68E+10	57.4	31.6	20.5
6.29E+09	4.73E+09	1.49E+08	8.93E+09	3.59E+10	3.46E+10	4.13E+10	-17.8	31.3	22.4
6.07E+09	4.65E+09	1.31E+08	8.95E+09	3.67E+10	5.49E+10	3.5E+10	70.5	21.7	17.5
2.5E+09	1.37E+09	3.86E+09	3.28E+09	1.14E+10	2.39E+10	56100000	0.42	9.51	12.3
2.54E+09	9.07E+08	3.77E+09	3.34E+09	1.5E+10	2.2E+10	4.1E+10	-6.51	8.56	21.9
2.8E+09	1.08E+09	3.38E+09	3.67E+09	1.92E+10	2.2E+10	4.25E+10	-1.54	7.38	17
3.38E+09	1.4E+09	3.93E+09	4.33E+09	1.27E+10	1.99E+10	4.08E+10	-1.68	11.3	14.6
3.32E+09	1.4E+09	4.47E+09	4.34E+09	1.25E+10	2.57E+10	4.27E+10	-6.19	13	26.5
2.31E+09	7.74E+08	6.75E+08	3.56E+09	1.16E+10	9.66E+09	6030000	1.12	42.8	51.7
2.45E+09	9.79E+08	6.42E+08	3.65E+09	1.16E+10	1.05E+10	2.09E+10	56.5	31.4	20
2.05E+09	5.6E+08	6.03E+08	3.4E+09	1.16E+10	6.36E+09	2.5E+10	-3.1	46	21.1
2.35E+09	6.92E+08	5.68E+08	3.82E+09	1.21E+10	7E+09	2.42E+10	-34.4	33.4	17.6
2.68E+09	9.36E+08	5.55E+08	4.22E+09	1.28E+10	1.16E+10	1.99E+10	40.3	38.5	19.3
6.59E+09	3.65E+09	7.91E+08	1.3E+10	2.23E+10	1.63E+11	71300000	0.8	-0.77	7.57
9.14E+09	6.43E+09	1.24E+09	1.53E+10	2.48E+10	2.23E+11	1.17E+11	44.7	10.4	29.6
9.71E+09	7.21E+09	1.12E+09	1.62E+10	2.66E+10	1.83E+11	1.78E+11	48.1	12.8	36.9
7.55E+09	4.76E+09	1.38E+09	1.41E+10	2.39E+10	1.37E+11	2.6E+11	-19.3	13.3	36.5
7.51E+09	3.9E+09	1.39E+09	1.42E+10	2.39E+10	1.75E+11	2.1E+11	-12.8	8.15	31.6
5.84E+08	-1.16E+08	3.12E+08	1.17E+09	6.8E+09	1.2E+10	18800000	0.76	13.6	50.9
1.33E+09	9.21E+08	3.2E+08	1.83E+09	8.59E+09	1.87E+10	1.84E+10	9.27	-4.75	8.58
1.46E+09	9.09E+08	4.84E+08	1.94E+09	9.98E+09	1.74E+10	1.99E+10	26.5	36.9	15.5
1.67E+09	1.01E+09	5.97E+08	2.3E+09	1.1E+10	1.72E+10	2.47E+10	-8.17	39.9	14.6
1.81E+09	1.04E+09	6.03E+08	2.51E+09	1.16E+10	1.88E+10	2.27E+10	18.8	49.7	15.2



730000-24500000	5420000	4.74E+08	6.04E+08	2.75E+10	7960000	1.21	17.7	7.75	
-10000-20700000	9960000	7.95E+08	1.03E+09	5.18E+10	1.05E+10	160.6	-2.82	0.12	
-30800000	-5E+07	35300000	1.33E+09	1.68E+09	2.57E+10	2.91E+10	80.9	-2.08	0
2960000	48600000	27600000	1.72E+09	2.13E+09	2.61E+10	5.49E+10	-58.7	-4.09	-1.84
1.04E+08	1.84E+08	34700000	2.17E+09	2.68E+09	4.32E+10	2.24E+10	65.1	2.83	0.14
42100000	-4000000	18100000	3.82E+08	8.43E+08	1.27E+10	16000000	1.18	8.22	0.73
-25000000-75400000	11500000	4.33E+08	1.02E+09	1.88E+10	1.02E+10	57	-0.2	5	
13200000-73400000	20200000	5.28E+08	1.25E+09	1.01E+10	1.62E+10	-1.97	-3.49	-2.44	
2.13E+08	54800000	19000000	7.13E+08	1.51E+09	9.71E+09	1.66E+10	-38.6	-3.39	1.06
2.4E+08	18100000	14300000	8.93E+08	1.76E+09	1.11E+10	1.07E+10	4.63	2.43	14.1
5.11E+08	3.65E+08	30100000	1.27E+09	2.36E+09	7.1E+09	13600000	1.05	82.3	39.8
5.95E+08	4.17E+08	52200000	1.55E+09	2.98E+09	1.09E+10	4.84E+09	69.8	27.6	21.7
6.75E+08	4.94E+08	65800000	1.79E+09	3.57E+09	9.16E+09	7.71E+09	27.7	27	20
9.46E+08	7.24E+08	99000000	2.24E+09	4.12E+09	1.53E+10	9.54E+09	8.97	29.6	18.9
1.23E+09	9.42E+08	85000000	2.85E+09	4.92E+09	2.58E+10	1.03E+10	67.5	37.4	23
7.56E+09	3.46E+09	2.32E+09	9.85E+09	3.7E+10	7.08E+10	81200000	1.03	5.96	27.7
9.23E+09	5.64E+09	2.72E+09	1.18E+10	4.44E+10	1.06E+11	9.66E+10	55.3	26.6	20.4
1.29E+10	8.19E+09	4.02E+09	1.59E+10	5.56E+10	1.2E+11	1.24E+11	27.4	35.4	20.8
1.5E+10	9.96E+09	4.47E+09	1.87E+10	6.08E+10	1.06E+11	1.47E+11	25	41.7	23.3
1.01E+10	6.22E+09	4.78E+09	1.37E+10	4.79E+10	1.11E+11	1.77E+11	-6.74	45.6	24.7
8.76E+09	3.25E+09	2.08E+09	2.01E+10	8.67E+10	4.5E+10	-3020000	1.13	50.6	0
9.08E+09	5.56E+09	2.8E+09	2.19E+10	1.01E+11	8.42E+10	8.88E+10	42.6	41.9	10.1
9.14E+09	2.44E+09	3E+09	2.28E+10	1.02E+11	2.87E+10	1.01E+11	-23.4	165.5	8.97
8.95E+09	3.39E+09	2.76E+09	2.12E+10	8.84E+10	4.81E+10	7.58E+10	-28.4	0	8.93
9.73E+09	4.59E+09	2.65E+09	2.14E+10	9.56E+10	9.08E+10	5.23E+10	90.2	0	10.1
-6E+09	-1.24E+10	1.9E+09	-3.78E+09	1.71E+10	1.95E+10	22700000	1.5	50.4	26.2
-4.78E+08	2.8E+08	3.25E+09	2.16E+09	2.99E+10	2.5E+10	5.26E+10	-31.2	-146.6	-34.8
5.75E+09	1.32E+09	6.37E+09	9.65E+09	5.06E+10	2.22E+10	4.66E+10	-2.81	10.3	-1.6
8.09E+09	4.61E+09	5.32E+09	1.3E+10	5.8E+10	2E+10	4.7E+10	-15.9	25.2	11.4
8E+09	3.46E+09	5.14E+09	1.33E+10	6.16E+10	3.75E+10	4.46E+10	22.4	52.1	13.9
1.39E+09	-2.68E+09	1.16E+09	1.54E+09	4.67E+09	3.42E+09	22900000	1.08	-27.7	21.9
5.5E+09	2.81E+09	2.01E+09	7.38E+09	1.38E+10	2.71E+10	1.32E+10	-39.1	-56.9	29.8
1.03E+10	6.02E+09	5.13E+09	1.13E+10	1.98E+10	4.98E+10	9.02E+09	178.6	45.6	40
7.48E+09	3.75E+09	3.95E+09	7.89E+09	1.44E+10	2.96E+10	3.46E+10	39.6	58.3	51.9
7.39E+09	2.89E+09	7.45E+09	8.02E+09	1.52E+10	2.52E+10	4.59E+10	-26.4	32.2	51.9
3.54E+08	5.5E+08	1.99E+08	1.28E+09	1.93E+09	3.07E+10	6640000	1.48	-37.3	27.6
3.68E+08	2.17E+08	3.89E+08	1.68E+09	2.45E+09	6.04E+10	1.97E+10	69	40.6	18.4
5.47E+08	3.41E+08	3.65E+08	1.88E+09	2.91E+09	4.67E+10	3.47E+10	45.2	11.2	15
7.84E+08	5.42E+08	2.37E+08	2.29E+09	3.62E+09	3.28E+10	5.12E+10	-15.6	16.3	18.8
8.18E+08	5.76E+08	3.59E+08	2.44E+09	4.03E+09	2.8E+10	4.35E+10	9.58	25.8	21.6
1.82E+09	-4.52E+09	2.06E+09	2E+09	2.76E+09	4.1E+09	1.69E+08	1.02	5.64	12.9
4.38E+09	2.18E+09	2.27E+09	5.55E+09	6.75E+09	1.94E+10	2.1E+10	-47.9	-37.8	66.2
7.34E+09	4.39E+09	3.61E+09	8.05E+09	9.57E+09	2.73E+10	1.45E+10	122.8	19.7	64.9

6.09E+09	3.14E+09	3.9E+09	6.69E+09	7.96E+09	2.83E+10	2.7E+10	26.8	31.5	76.7
7.73E+09	3.34E+09	4.48E+09	8E+09	1.06E+10	5.21E+10	3.03E+10	13.4	20.1	76.5
1.99E+09	3.56E+08	0	2.33E+09	3.85E+09	4.04E+10	66800000	0.97	31.8	2.66
2.31E+09	1.71E+09	0	2.71E+09	4.49E+09	4.48E+10	3.87E+10	16.5	2.49	51.7
2.23E+09	3.78E+08	0	2.66E+09	4.68E+09	2.91E+10	5.42E+10	26.8	9.44	51.5
2.4E+09	9.49E+08	0	2.85E+09	5.45E+09	3.7E+10	6.7E+10	-43.3	1.99	47.6
2.41E+09	6.03E+08	0	2.92E+09	5.43E+09	5.96E+10	4.84E+10	34.2	4.68	44
4.13E+09	2.66E+09	1.03E+09	1.07E+10	3.37E+10	5.2E+10	30500000	0.31	-44.2	15.9
3.86E+09	2.4E+09	1.07E+09	1.08E+10	3.42E+10	5.17E+10	5.08E+10	34.8	39.7	12.2
4.06E+09	2.42E+09	1.56E+09	1.18E+10	3.78E+10	5.87E+10	6.28E+10	12.1	37.1	11.3
3.3E+09	1.66E+09	1.7E+09	1.17E+10	3.87E+10	2.63E+10	6.82E+10	4.42	40.9	10.7
2.91E+09	1.13E+09	1.31E+09	1.2E+10	4.06E+10	1.74E+10	7.11E+10	-44.8	27	8.53
2.58E+09	1.34E+09	8.99E+08	7.79E+09	2.55E+10	2.14E+10	42700000	0.86	-47.2	18.5
2.53E+09	1.33E+09	1.02E+09	7.74E+09	2.63E+10	2.42E+10	3.19E+10	14.9	19.8	10.1
2.47E+09	1.62E+09	6.44E+08	5.78E+09	1.54E+10	3.55E+10	3.41E+10	30.1	17.7	9.62
2.19E+09	-1E+09	1.19E+09	6.02E+09	1.68E+10	2.42E+10	4.07E+10	0.66	18.2	16
2.04E+09	-3E+09	1.3E+09	6.29E+09	1.76E+10	1.36E+10	4.12E+10	0.43	15.8	13
6.39E+09	-4E+08	6.33E+09	7.3E+09	1.42E+10	6.74E+10	32500000	0.61	14.6	6.49
5.9E+09	3.4E+09	6.06E+09	5.48E+09	1.14E+10	6.14E+10	1.12E+11	-9.2	4.39	45.1
5.95E+09	1.19E+09	7.76E+09	6.5E+09	1.39E+10	5.78E+10	1.04E+11	4.47	7.44	51.7
7.04E+09	2.03E+09	1.02E+10	6.96E+09	1.44E+10	3.35E+10	1.08E+11	-21.9	0.95	42.7
7.22E+09	2.12E+09	1.24E+10	6.89E+09	1.45E+10	4.9E+10	9.71E+10	-23.4	7.81	48.9
7.68E+08	4.91E+08	88800000	1.13E+09	4.12E+09	1.49E+10	-1.13E+08	1.12	1.83	0
8.29E+08	5.11E+08	94200000	1.21E+09	4.36E+09	1.78E+10	1.56E+10	30.5	0	18.6
7.99E+08	4.52E+08	87200000	1.16E+09	4.54E+09	1.22E+10	1.91E+10	47.2	0	19
8.72E+08	5.19E+08	1.05E+08	1.25E+09	4.48E+09	1.18E+10	2.55E+10	-38.6	0	17.6
9.35E+08	5.84E+08	1.13E+08	1.34E+09	4.71E+09	1.42E+10	1.79E+10	19	0	19.5
-3.21E+08	-4.61E+08	1.06E+08	1.56E+09	2.89E+09	0	18500000	1.71	69.6	1.6
-3.48E+08	-4.68E+08	1.29E+08	2.62E+09	4.89E+09	6.58E+10	0	0	-15.7	-11.1
-7.48E+08	-1.37E+09	1.76E+08	3.08E+09	6.58E+09	1.82E+10	4.7E+10	4.31	-9.99	-7.12
-3.22E+08	-5.58E+08	1.23E+08	4.16E+09	8.64E+09	2.88E+10	4.67E+10	-67.2	-23.9	-11.4
2.95E+08	1.23E+08	1.04E+08	5.3E+09	1.07E+10	6.45E+10	1.53E+10	102.6	-8.32	-3.73
1.26E+09	6.84E+08	1.66E+08	2.49E+09	6.68E+09	1.6E+10	40400000	1.26	22	23.2
1.6E+09	1.12E+09	1.72E+08	2.98E+09	7.91E+09	2.43E+10	1.97E+10	9.53	21.3	18.9
1.61E+09	1.07E+09	2.11E+08	2.91E+09	7.84E+09	1.85E+10	2.09E+10	43.8	29.7	20.2
1.58E+09	1.06E+09	1.83E+08	2.89E+09	7.68E+09	1.8E+10	2.85E+10	-25.4	23.4	20.6
1.63E+09	2.7E+09	1.68E+08	3E+09	7.75E+09	2.65E+10	2.23E+10	13.6	20.1	20.5
5.44E+09	1.23E+09	1.39E+09	5.2E+09	3.85E+10	3.34E+10	25200000	0.86	-26.8	6.5
1.09E+10	6.31E+09	2.42E+09	1.07E+10	5.5E+10	4.14E+10	5.89E+10	1.41	9.55	14.1
8.72E+09	4.58E+09	2.25E+09	8.56E+09	5.69E+10	3.34E+10	5.63E+10	2.2	40.4	19.8
5.18E+09	5.89E+08	2.69E+09	5.06E+09	4.46E+10	3.39E+10	5.61E+10	-11.2	23.2	15.3
5.07E+09	1.12E+09	3.27E+09	4.68E+09	4.3E+10	3.47E+10	4.82E+10	8.83	3.27	11.6
2.56E+09	-3E+09	1.26E+09	4.07E+09	1.11E+10	4.17E+10	57700000	1.07	-0.88	3.21

3.01E+09	6.47E+09	7.88E+08	4.6E+09	1.26E+10	3.64E+10	6.42E+10	10.8	-3.35	23
3.19E+09	5.87E+09	6.62E+08	4.62E+09	1.3E+10	2.88E+10	7.36E+10	13.6	3.65	24
2.85E+09	4.23E+08	6.42E+08	4.23E+09	1.21E+10	3.35E+10	5.18E+10	-15	3.93	24.5
3.07E+09	7.03E+08	5.79E+08	4.53E+09	1.24E+10	3.48E+10	4.52E+10	12.1	2.06	23.6
1.09E+10	1.38E+09	9.91E+09	1.13E+10	2.3E+10	6.77E+10	65200000	0.42	11	9.08
1.16E+10	3.91E+09	9.72E+09	1.21E+10	2.42E+10	7.85E+10	1.31E+11	0.38	2.24	47.7
1.24E+10	2.55E+09	1.14E+10	1.31E+10	2.83E+10	7.24E+10	1.36E+11	14.6	7.42	48.1
1.34E+10	2.84E+09	1.26E+10	1.4E+10	2.86E+10	6.77E+10	1.5E+11	-1.82	7.34	43.9
1.44E+10	4.52E+09	1.23E+10	1.52E+10	2.99E+10	8.8E+10	1.56E+11	-5.78	8.49	46.9
6.01E+08	1.33E+08	48000000	1.4E+09	8.8E+09	3.75E+09	0	1.24	110.7	37.2
6.47E+08	3.84E+08	36200000	1.5E+09	9.9E+09	6.48E+09	4.99E+09	5.98	6.47	6.84
6.78E+08	4.06E+08	49300000	1.6E+09	1.11E+10	6.67E+09	4.88E+09	39.3	17.8	6.53
9.96E+08	6.33E+08	78400000	2.09E+09	1.26E+10	9.64E+09	6.7E+09	16.3	19.2	6.12
1.48E+09	1.01E+09	75000000	2.77E+09	1.46E+10	2.01E+10	7.37E+09	45.5	28.5	7.92
5E+09	-6.05E+08	3.47E+09	4.98E+09	9.93E+09	1.99E+10	52700000	0.76	1.35	22.3
1.01E+10	4.66E+09	3.85E+09	1.3E+10	1.98E+10	5.4E+10	5.32E+10	-40.5	-2.89	50.4
1.38E+10	7.76E+09	5E+09	2.01E+10	2.96E+10	7.83E+10	3.2E+10	78.1	22	51.1
1.32E+10	7.59E+09	6.19E+09	1.45E+10	2.33E+10	7.3E+10	5.31E+10	45.8	33	46.6
1.26E+10	6.4E+09	6.37E+09	1.45E+10	2.35E+10	6.85E+10	7.61E+10	-6.62	28.7	56.7
4.41E+08	3.27E+08	68800000	9.27E+08	2.66E+09	1.73E+10	60500000	1.66	-21.4	12.8
6.28E+08	4.82E+08	1.12E+08	1.27E+09	3.76E+09	3.81E+10	1.1E+10	68.9	18.3	16.6
7.99E+08	4.19E+08	81600000	1.58E+09	4.82E+09	2E+10	1.91E+10	86.5	21.5	16.7
6.82E+08	4.17E+08	28400000	1.45E+09	4.69E+09	1.23E+10	3.69E+10	-51	15.3	16.6
6.93E+08	4.55E+08	32100000	1.45E+09	4.73E+09	1.08E+10	1.75E+10	-9.28	12.9	14.5
1.04E+09	-9.59E+08	1.04E+09	7.93E+08	2.61E+09	4.17E+09	42400000	0.5	19.3	1.24
7.01E+08	-1.14E+09	1.06E+09	4.67E+09	6.84E+09	7.53E+09	8.01E+09	16.6	-10.1	39.7
4.6E+09	1.77E+09	1.4E+09	9.73E+09	1.21E+10	1.42E+10	8.26E+09	71.6	-11.9	10.3
4.24E+09	1.74E+09	2.02E+09	2.67E+09	4.97E+09	1.69E+10	1.44E+10	55.1	16.8	37.9
2.51E+09	2.31E+08	2.25E+09	2.93E+09	5.04E+09	2.3E+10	1.71E+10	14.3	13.3	85.2
1.56E+09	4.78E+08	3.83E+08	1.98E+09	8.47E+09	1.1E+10	48600000	1.3	1.67	16
2.41E+09	8.57E+08	5.55E+08	2.5E+09	1.05E+10	1.41E+10	1.71E+10	26.5	8.06	18.4
1.73E+09	7.93E+08	6.11E+08	2.14E+09	1.06E+10	9.14E+09	1.91E+10	20.6	14.6	23
1.54E+09	8.94E+08	8.28E+08	2.08E+09	9.21E+09	8.91E+09	2.13E+10	-32.6	14.4	16.3
1.89E+09	9.05E+08	5.99E+08	2.3E+09	9.38E+09	1.23E+10	1.47E+10	10.3	16.6	16.8
2.6E+09	1.41E+09	3.89E+08	5.45E+09	1.79E+10	4.15E+10	49800000	1.17	37.8	20.2
3.43E+09	2.14E+09	5.75E+08	6.34E+09	1.96E+10	6.57E+10	4.69E+10	26.8	9.1	14.5
3.98E+09	2.46E+09	5.98E+08	6.89E+09	2.08E+10	5.99E+10	5.6E+10	43.8	13.7	17.5
4.86E+09	3.22E+09	7.57E+08	8.43E+09	2.32E+10	7.89E+10	7.77E+10	-9.18	14.7	19.2
5.59E+09	3.79E+09	8.08E+08	9.5E+09	2.49E+10	1.36E+11	7.14E+10	53.4	17.8	20.9
2.5E+09	-1.21E+09	4.89E+08	4.93E+09	1.18E+10	5.24E+10	30000000	1.1	18.1	25.3
2.71E+09	1.13E+09	6.43E+08	5.21E+09	1.27E+10	6.37E+10	6.29E+10	12.1	13.2	21.2
2.79E+09	1.09E+09	7.13E+08	5.43E+09	1.42E+10	4.5E+10	6.81E+10	8.43	17	21.3
3.11E+09	1.37E+09	7.75E+08	6.19E+09	1.53E+10	4.54E+10	7.27E+10	-38	15.3	19.6

3.61E+09	2.11E+09	9.95E+08	6.85E+09	1.57E+10	7.19E+10	5.03E+10	36.3	18.2	20.3
4.54E+09	7.39E+08	5.48E+09	7.11E+09	1.36E+10	2.12E+10	41900000	0.81	11.7	7.2
5.15E+09	7.59E+08	5.51E+09	8.71E+09	1.49E+10	2.39E+10	4.79E+10	-16.7	4.7	33.5
5.48E+09	6.12E+08	5.78E+09	9.41E+09	1.72E+10	2.3E+10	4.84E+10	8.64	4.5	34.5
5.97E+09	1.2E+09	5.45E+09	9.55E+09	1.63E+10	2.4E+10	5.72E+10	-6.78	3.47	31.8
6.4E+09	1.28E+09	5.71E+09	9.15E+09	1.76E+10	3.22E+10	5.98E+10	12.4	6.75	36.5
1.42E+09	8.23E+08	4.07E+08	3.31E+09	4.39E+09	4.47E+10	14800000	1.05	-2.91	16.6
1.72E+09	1.5E+09	3.26E+08	3.98E+09	5.23E+09	7.48E+10	4.8E+10	17.3	18.9	32.5
1.68E+09	1.52E+09	2.45E+08	3.74E+09	4.46E+09	4.38E+10	5.63E+10	42	28.9	32.9
1.63E+09	1.4E+09	2.53E+08	4.03E+09	5.01E+09	3.78E+10	7.98E+10	-42.4	22.7	37.7
1.64E+09	4.17E+09	2.52E+08	4.32E+09	5.44E+09	4.13E+10	4.51E+10	2.2	19.5	32.6
1.43E+09	1.18E+09	1.33E+08	4.23E+09	5.67E+09	3.46E+10	27600000	0.77	6.94	14
1.34E+09	6.4E+08	1.66E+08	4.75E+09	6.51E+09	3.99E+10	2.78E+10	33.6	15.5	25.2
2.02E+09	1.04E+09	2.13E+08	5.64E+09	7.38E+09	3.57E+10	3.68E+10	-8.15	8.22	20.6
1.98E+09	1.08E+09	1.95E+08	5.86E+09	7.66E+09	3.29E+10	3.75E+10	-7.37	13.7	27.4
1.9E+09	1.05E+09	2.18E+08	5.83E+09	7.35E+09	3.94E+10	3.41E+10	12	14.3	25.8
9E+09	4.57E+09	1.02E+09	3.38E+10	1.22E+11	6.78E+10	1.91E+08	0.59	-21.8	14.8
9.84E+09	6.16E+09	1.09E+09	3.61E+10	1.39E+11	1.06E+11	9.37E+10	6.31	14.1	7.39
9.54E+09	5.89E+09	1.15E+09	4E+10	1.57E+11	1.3E+11	9.77E+10	44.4	17.7	7.1
1.09E+10	5.99E+09	1.3E+09	4.7E+10	1.71E+11	1.05E+11	1.31E+11	10.7	16.3	6.09
9.86E+09	5.98E+09	1.26E+09	4.92E+10	1.77E+11	9.53E+10	1.38E+11	-8.07	15.8	6.39
8.53E+09	6.19E+09	1.39E+09	1.91E+10	2.45E+10	1.18E+11	18600000	0.46	32.4	84.3
9.82E+09	5.58E+09	1.31E+09	2.13E+10	2.83E+10	2.31E+11	1.4E+11	28.5	145.3	34.8
1.02E+10	6.24E+09	1.85E+09	2.19E+10	2.85E+10	3.42E+11	1.66E+11	63.6	74.5	34.7
1.23E+10	5.24E+09	3.45E+09	2.7E+10	3.41E+10	5.09E+11	2.62E+11	32.4	62.7	35.7
1.93E+10	1.06E+10	5.06E+09	3.66E+10	4.5E+10	7.62E+11	3.6E+11	59.3	48.4	36.1
3.68E+09	2.08E+09	5.46E+08	6.97E+09	1.68E+10	3.87E+10	36800000	1.28	27.3	7.7
3.77E+09	2.75E+09	5.32E+08	7.26E+09	1.72E+10	5.8E+10	5.09E+10	5.39	24.3	21.9
3.29E+09	4.67E+09	2.85E+08	6.52E+09	1.4E+10	5.17E+10	5.29E+10	15.7	27.3	21.9
4.17E+09	1.1E+10	3.81E+08	7.95E+09	1.59E+10	5.05E+10	6.02E+10	3.32	10.8	23.5
4.73E+09	2.41E+09	4.25E+08	9.2E+09	1.76E+10	6.24E+10	7.18E+10	1.32	9.69	26.2
3.61E+09	1.39E+09	5.04E+09	4.53E+09	1.01E+10	2.03E+10	35100000	0.61	49.9	6.95
4E+09	1.12E+09	6.35E+09	4.87E+09	1.17E+10	2.07E+10	4.28E+10	-16.7	12.8	35.7
3.87E+09	1.1E+09	5.32E+09	5.28E+09	1.38E+10	2.19E+10	4.11E+10	12.8	9.68	34.1
4.73E+09	2.36E+09	4.65E+09	5.33E+09	1.21E+10	2E+10	4.75E+10	-0.13	8.75	28.1
5.05E+09	1.06E+09	5.84E+09	5.74E+09	1.19E+10	2.87E+10	4.98E+10	-10.1	16.7	39
1.09E+09	5.2E+08	4.21E+08	2.39E+09	4.13E+09	1.66E+10	41000000	1.68	3.06	12.6
1.63E+09	7.44E+08	4.69E+08	2.98E+09	4.92E+09	3.38E+10	2.02E+10	37.6	18	26.5
1.66E+09	6.96E+08	6.25E+08	2.99E+09	5.12E+09	2.09E+10	2.63E+10	51.8	22	33.1
1.59E+09	5.45E+08	6.01E+08	2.97E+09	5.27E+09	2.02E+10	3.92E+10	-33.6	18.5	32.4
1.76E+09	6.04E+08	5.12E+08	3.21E+09	5.68E+09	3.34E+10	2.95E+10	27.2	12.7	30.1
2.17E+09	3.7E+08	0	2.55E+09	5.62E+09	6.52E+10	1.42E+08	0.91	17.1	6.25
2.41E+09	5E+08	0	2.79E+09	6.26E+09	7.51E+10	6.06E+10	22.4	3.8	38.6

2.77E+09	7.05E+08	0	3.37E+09	7.12E+09	5.17E+10	7.47E+10	18.4	4.65	38.5
3.31E+09	9.69E+08	0	3.97E+09	8.2E+09	6.72E+10	8.98E+10	-22.6	6.3	39
3.63E+09	8.15E+08	0	4.27E+09	8.74E+09	8.78E+10	7.41E+10	23	8.07	40.4
1.61E+09	9.14E+08	20100000	1.66E+09	2.57E+09	1.75E+10	28600000	0.91	17.3	9.25
1.46E+09	1.33E+09	1700000	1.52E+09	2.46E+09	3.24E+10	4.01E+10	-26.7	8.71	62.5
1.7E+09	7.77E+08	4050000	1.75E+09	2.74E+09	2.39E+10	3.12E+10	52.7	12.3	59.2
1.77E+09	8.35E+08	1850000	1.83E+09	2.87E+09	2.06E+10	4.31E+10	-34.8	6.9	62
1.83E+09	1.04E+09	2770000	1.89E+09	2.98E+09	2.81E+10	3.07E+10	3.66	7.46	61.5
3.58E+08	2.93E+08	55500000	3.38E+08	2.54E+09	1.22E+10	0	0.3	23.1	32.9
3.51E+08	2.98E+08	1.49E+08	3.18E+08	2.63E+09	1.08E+10	8.42E+09	48	25.3	14.1
4.28E+08	2.99E+08	67200000	3.76E+08	2.84E+09	1.3E+10	1.27E+10	-21.6	23.5	13.3
6E+08	4.46E+08	92600000	5.2E+08	3.27E+09	1.45E+10	9.9E+09	29.1	21.4	15.1
7.66E+08	6E+08	1.25E+08	6.77E+08	3.8E+09	2.35E+10	1.29E+10	34.7	28.7	18.4
1.02E+09	5.69E+08	0	1.09E+09	1.56E+09	1.33E+10	82100000	0.82	15.1	14.3
1.02E+09	4.89E+08	0	1.07E+09	1.55E+09	2.21E+10	2.62E+10	-21.1	9.47	65.3
1.07E+09	4.08E+08	0	1.12E+09	1.63E+09	1.44E+10	2.18E+10	48.4	8.3	65.6
1.08E+09	4.06E+08	0	1.15E+09	1.68E+09	1.35E+10	2.93E+10	-39.8	7.14	65.3
1.16E+09	7.42E+08	0	1.25E+09	1.82E+09	1.89E+10	2.01E+10	17	7.46	64.6
0	5.14E+08	0	6.5E+08	9.58E+09	7.88E+09	3.45E+08	0.47	2.51	10.1
0	1.38E+09	0	1.64E+09	1.18E+10	1.03E+10	1.13E+10	-15.4	5.45	0
0	5.97E+08	0	8.51E+08	1.22E+10	1.27E+10	9.29E+09	17	13.9	0
0	2.52E+09	0	2.38E+09	1.46E+10	1.7E+10	1.16E+10	20.9	6.43	0
0	1.37E+09	0	1.63E+09	1.72E+10	1.64E+10	1.44E+10	6.73	23.3	0
2.02E+09	6.18E+08	1.56E+09	2.39E+09	4.91E+09	1.25E+10	43200000	0.55	17.9	9.01
2.25E+09	8.8E+08	1.97E+09	2.63E+09	5.59E+09	1.46E+10	2.47E+10	-14.7	7.3	41.2
2.22E+09	7.53E+08	2.17E+09	2.63E+09	5.86E+09	1.42E+10	2.25E+10	23.6	9.93	40.2
2.37E+09	7.31E+08	2.33E+09	2.77E+09	5.51E+09	1.11E+10	2.65E+10	-8.28	8.17	38
2.62E+09	8.74E+08	2.34E+09	3.03E+09	5.85E+09	1.38E+10	2.61E+10	-17.1	7.76	43
3.01E+09	1.21E+09	4.06E+09	4.44E+09	8.9E+09	2.99E+10	43200000	0.68	-6.95	5.55
3.18E+09	1.22E+09	3.18E+09	4.75E+09	9.86E+09	2.92E+10	4.33E+10	1.69	8.98	33.9
3.61E+09	1.4E+09	3.44E+09	5.41E+09	1.23E+10	2.66E+10	4.55E+10	5.17	8.48	32.2
3.84E+09	-4.42E+08	4.34E+09	4.85E+09	1.19E+10	1.86E+10	5.08E+10	-7.85	9.3	29.4
4.25E+09	8.12E+08	4.48E+09	6.15E+09	1.19E+10	2.34E+10	5.12E+10	-26.4	-2.9	32.2
8.17E+09	1.96E+09	8.05E+09	6.3E+09	1.67E+10	3.89E+10	26700000	0.49	4.85	9.34
9.75E+09	1.71E+09	7.98E+09	7.01E+09	1.79E+10	5.2E+10	8.43E+10	-7.39	3.17	49
6.24E+09	2.17E+09	7.15E+09	8.08E+09	1.91E+10	3.85E+10	8.07E+10	36.8	4.64	54.4
6.81E+09	2.33E+09	7.41E+09	8.96E+09	2.17E+10	3.83E+10	9.57E+10	-25.2	6.9	32.7
7.19E+09	2.46E+09	7.1E+09	9.41E+09	2.3E+10	3.99E+10	8.12E+10	-17	9.22	31.3
1.38E+09	-9.73E+09	1.14E+09	1.11E+09	4.61E+09	0	92300000	0.46	29.4	-5.05
1.81E+09	6.33E+09	7.35E+08	3.42E+09	7.3E+09	6.26E+09	0	0	0	30
5.28E+09	4.94E+09	1.82E+09	8.13E+09	1.41E+10	1.18E+10	0	0	3835.2	24.8
3.73E+09	2.42E+09	1.83E+09	2.17E+09	6.05E+09	1.13E+10	7.98E+09	46.3	66.7	37.4
1.25E+09	-7.14E+08	1.56E+09	1.5E+09	4.26E+09	2.05E+10	1.53E+10	-18.5	24.4	61.7

-1.23E+09	-2.61E+09	7.97E+08	3.55E+09	5.2E+09	1.33E+10	8780000	1.56	22.8	43.8
4.88E+08	12000000	6.73E+08	7.08E+09	8.6E+09	2.48E+10	1.82E+10	22.4	-57	-23.6
1.38E+09	3.52E+08	6.62E+08	1E+10	1.17E+10	1.52E+10	2.61E+10	36.5	0.4	5.68
1.63E+09	7.97E+08	8.46E+08	1.13E+10	1.28E+10	1.36E+10	3.31E+10	-51.5	9.42	11.9
1.83E+09	1.23E+09	7.56E+08	1.22E+10	1.37E+10	2.1E+10	1.65E+10	73.3	21.1	12.7
9.97E+08	6.96E+08	47500000	1.22E+09	9.58E+09	1.48E+10	16900000	1.08	-12.9	35.2
1.96E+09	1.42E+09	36200000	2.22E+09	1.65E+10	2.09E+10	1.24E+10	21.9	28.7	10.4
1.95E+09	1.36E+09	86800000	2.28E+09	1.71E+10	1.6E+10	1.51E+10	41.2	46.1	11.9
1.01E+09	7.53E+08	39300000	1.31E+09	9.3E+09	1.61E+10	2.14E+10	-22.6	41.2	11.4
1.1E+09	8.1E+08	40500000	1.41E+09	1.06E+10	1.69E+10	1.49E+10	22.4	27.3	10.8
8.95E+08	4.82E+08	7090000	1.02E+09	1.38E+09	1.5E+10	65100000	1.11	-6.69	5.95
1.11E+09	8.28E+08	3660000	1.23E+09	1.61E+09	2.64E+10	1.91E+10	9.7	17.7	64.9
1.37E+09	8.61E+08	22800000	1.54E+09	1.97E+09	2.39E+10	2.09E+10	95.7	26.1	68.9
1.79E+09	8.03E+08	16000000	2.02E+09	2.62E+09	2.2E+10	3.66E+10	-35.1	23.4	69.6
2.26E+09	8.55E+08	20500000	2.55E+09	3.34E+09	3.49E+10	2.76E+10	8.93	8.73	68.5
1.7E+10	-2.24E+10	1.73E+10	5.72E+10	1.8E+11	1.38E+11	62300000	0.48	7.59	14.5
4.43E+10	2.3E+10	1.21E+10	8.82E+10	2.77E+11	2.73E+11	3.5E+11	-40.9	-12.8	9.47
8.96E+10	5.57E+10	1.84E+10	1.32E+11	4.01E+11	4.56E+11	2.41E+11	48.4	13.9	16
6.64E+10	3.6E+10	2.19E+10	1.09E+11	3.37E+11	4.2E+11	3.18E+11	80.3	30.5	22.4
6.43E+10	3.37E+10	2.43E+10	1.05E+11	3.41E+11	5.18E+11	4.76E+11	-9.36	18	19.7
5.24E+08	2.97E+08	42300000	1.98E+09	2.41E+09	8.12E+09	53500000	1.06	40.5	19.5
5.66E+08	3.37E+08	36500000	2.16E+09	2.67E+09	1.28E+10	7.52E+09	26	13.7	21.8
5.02E+08	3.01E+08	36200000	2.15E+09	2.71E+09	8.7E+09	1.04E+10	39.1	14	21.2
7.26E+08	4.61E+08	50100000	2.23E+09	2.81E+09	8.83E+09	1.48E+10	-41.4	12.1	18.5
8.11E+08	5.95E+08	29400000	2.33E+09	2.89E+09	1.39E+10	8.44E+09	24.7	16.9	25.9
5.06E+08	3.8E+08	69200000	7.97E+08	1.52E+09	1.16E+10	50600000	0.79	0.68	29.2
5.46E+08	4.06E+08	51600000	8.23E+08	1.63E+09	1.67E+10	1.07E+10	23.9	46.2	33.4
6.85E+08	4.26E+08	60500000	1.03E+09	1.92E+09	1.64E+10	1.29E+10	46.2	39.6	33.5
7.73E+08	4.8E+08	59300000	1.13E+09	2.12E+09	1.62E+10	1.84E+10	-17.4	33.1	35.6
8.48E+08	5.39E+08	95100000	1.21E+09	2.23E+09	1.72E+10	1.69E+10	18.9	30.2	36.4
4.01E+08	2.68E+08	18500000	9.49E+08	1.31E+09	1.14E+10	-33500000	1.35	71	0
4.65E+08	3.91E+08	5420000	1.01E+09	1.33E+09	1.13E+10	1.16E+10	36.4	94.8	30.7
5.84E+08	3.86E+08	13600000	1.09E+09	1.4E+09	1.23E+10	1.56E+10	-15.1	0	35
6.67E+08	4.53E+08	3300000	1.23E+09	1.55E+09	2.12E+10	1.3E+10	38	0	41.7
7.76E+08	5.44E+08	8360000	1.42E+09	1.78E+09	4.92E+10	1.67E+10	94.5	0	43
1.3E+09	8.59E+08	1.68E+08	2.57E+09	5.65E+09	2.48E+10	3190000	0.94	11	33
1.39E+09	9.25E+08	1.57E+08	2.78E+09	6.01E+09	3.28E+10	2.17E+10	32.2	31.8	23.1
1.63E+09	1.09E+09	1.74E+08	3.22E+09	6.98E+09	2.79E+10	2.84E+10	31.2	32	23.1
1.71E+09	1.16E+09	1.73E+08	3.35E+09	7.35E+09	3.33E+10	3.72E+10	-26.1	35	23.4
1.69E+09	1.15E+09	2.27E+08	3.4E+09	7.55E+09	4.49E+10	2.77E+10	36.9	35.5	23.2
7.9E+09	2.45E+09	5.43E+09	1.88E+10	7.47E+10	6.81E+10	1.08E+08	1.29	11.2	14.6
1.17E+10	4.92E+09	6.2E+09	2.46E+10	8.96E+10	6.26E+10	7.07E+10	71.7	12.4	10.6
9.45E+09	3.33E+09	6.76E+09	2.34E+10	9.41E+10	4.17E+10	9.89E+10	-0.38	21.4	13.1

1.11E+10	4.29E+09	5.63E+09	2.43E+10	8.79E+10	5.95E+10	9.85E+10	-33	13.6	10
1.09E+10	3.89E+09	4.17E+09	2.37E+10	8.74E+10	6.7E+10	7.71E+10	46.1	16.9	12.6
4.92E+08	1.32E+08	68100000	5.44E+08	8.27E+08	5.2E+09	36900000	1.16	8.64	9.15
5.78E+08	2.62E+08	71700000	6.43E+08	9.53E+08	9.36E+09	1.34E+10	-33.9	4.98	59.4
6.59E+08	3.86E+08	1.08E+08	7.31E+08	1.08E+09	8E+09	1.06E+10	60.2	9.67	60.6
7.1E+08	2.37E+08	97100000	7.81E+08	1.14E+09	7.15E+09	1.52E+10	-25.9	13	61
7.51E+08	2.95E+08	1.07E+08	8.21E+08	1.21E+09	9.71E+09	1.29E+10	1.99	7.68	62.5
3.34E+09	1.58E+08	2.63E+08	4.2E+09	1.26E+10	7.73E+10	29800000	1.06	34.5	4.55
4.5E+09	4.17E+08	3.2E+08	3.35E+09	9.34E+09	6.84E+10	1.05E+11	1.7	0.33	26.6
2.61E+09	-1.68E+10	2.27E+08	3.46E+09	9.72E+09	5.16E+10	1.06E+11	-22.8	0.66	48.1
2.85E+09	-6.66E+09	1.15E+08	3.66E+09	9.83E+09	2.87E+10	8.5E+10	-37.8	1.56	26.9
3.13E+09	1.45E+09	97000000	3.8E+09	1.01E+10	4.95E+10	5.74E+10	-11.5	2.17	29
0	1.43E+09	3.58E+08	6.55E+09	6.55E+09	1.65E+10	27500000	0.97	22.6	11.9
0	2.77E+09	3.09E+08	8.3E+09	8.3E+09	3.01E+10	0	-10.3	6.44	0
0	2.45E+09	4.72E+08	7.82E+09	7.82E+09	2.47E+10	0	58	12.2	0
0	2.35E+09	4.91E+08	8.2E+09	8.2E+09	1.59E+10	0	-24.7	12.4	0
0	2.31E+09	4.14E+08	7.95E+09	7.95E+09	2.98E+10	0	5.12	12.9	0
5.74E+08	3.98E+08	4.17E+08	6.98E+08	2.71E+09	9.22E+09	76900000	1.38	2.3	17.6
6.99E+08	4.69E+08	5.4E+08	7.3E+08	2.92E+09	1.27E+10	5E+09	76.8	7.5	21.2
-11000000	-44200000	9.04E+08	69900000	2.62E+09	1.41E+10	9.31E+09	-11.9	8.17	23.9
1.19E+09	8.31E+08	1.39E+09	1.3E+09	3.32E+09	1.46E+10	7.81E+09	71.9	-0.75	-0.42
1.82E+09	1.29E+09	1.53E+09	1.86E+09	4.21E+09	2.11E+10	1.44E+10	15	13.3	36
2.94E+09	1.08E+09	2.66E+09	7.77E+09	1.06E+10	1.61E+10	21800000	0.5	8.51	9.15
4.27E+09	1.28E+09	2.49E+09	7.42E+09	1.09E+10	2.1E+10	4.66E+10	-37	14.1	27.7
3.97E+09	4.06E+08	2.85E+09	8.23E+09	1.23E+10	2.18E+10	3.89E+10	35.9	15.6	39
3.64E+09	1.1E+09	3.36E+09	8.49E+09	1.27E+10	2.03E+10	4.69E+10	0.84	4.55	32.4
4.15E+09	9.78E+08	4.03E+09	9.33E+09	1.33E+10	2.43E+10	4.55E+10	-12.6	11.1	28.7
4.6E+09	9.58E+08	9E+08	7.04E+09	1.49E+10	6.4E+10	48800000	0.95	54.6	10.9
5.5E+09	1.33E+09	1.16E+09	8.1E+09	1.62E+10	6.5E+10	1.02E+11	-1.53	2.86	31
6.86E+09	2.53E+09	1.48E+09	9.75E+09	1.77E+10	6.52E+10	9.77E+10	-8.84	4.3	33.9
7.97E+09	3.07E+09	1.39E+09	1.14E+10	1.91E+10	6.78E+10	8.96E+10	-2.62	8.12	38.6
8.97E+09	3.13E+09	1.57E+09	1.24E+10	2.05E+10	1.14E+11	8.55E+10	31.4	10	41.7
3.2E+09	-1.28E+09	5.74E+09	6.01E+09	1.27E+11	3.08E+10	11200000	1.54	-18.8	13.4
1.27E+10	1.79E+10	6.23E+09	1.64E+10	1.36E+11	6.83E+10	1.7E+11	-5.48	-3.99	2.51
1.46E+10	-2E+09	6.87E+09	1.72E+10	1.58E+11	5.33E+10	1.64E+11	136.3	45.1	9.3
1.19E+10	4.35E+09	8.24E+09	1.62E+10	1.76E+11	3.91E+10	1.98E+11	-44	-4.69	9.22
1.11E+10	5.88E+09	8.68E+09	1.55E+10	1.85E+11	4.16E+10	1.45E+11	4.82	10.1	6.76
5.6E+08	4.89E+08	1.26E+08	2.02E+09	2.59E+09	1.79E+10	1750000	1.1	61.4	338.7
7.3E+08	6.07E+08	2.96E+08	2.56E+09	3.34E+09	5.49E+10	1.64E+10	39.1	44.4	21.6
1.07E+09	8.57E+08	2.81E+08	3.33E+09	4.42E+09	4.5E+10	2.25E+10	142	73.3	21.8
1.35E+09	1.15E+09	2.04E+08	4.07E+09	5.3E+09	4.42E+10	5.67E+10	-32	331.5	24.2
1.92E+09	1.75E+09	3.79E+08	4.8E+09	5.96E+09	6.02E+10	3.75E+10	19.7	0	25.4
9.48E+08	1.61E+09	75700000	2.62E+09	4.63E+09	2.08E+10	30000000	1.13	1.86	8.12

1.21E+09	6.08E+08	50000000	3.01E+09	5.25E+09	2.71E+10	3.08E+10	-7.29	17.7	20.5
1.47E+09	7.55E+08	95800000	3.36E+09	5.83E+09	2.27E+10	2.83E+10	7.72	6.64	23
1.59E+09	8.66E+08	1.08E+08	3.59E+09	6.07E+09	2.29E+10	2.95E+10	-15.8	7.86	25.3
1.69E+09	8.33E+08	1.2E+08	3.73E+09	6.23E+09	2.5E+10	2.56E+10	14.6	8.65	26.2
3.13E+09	1.53E+09	4.91E+08	4.9E+09	1.27E+10	1.57E+10	22700000	0.54	65.4	20.1
3.13E+09	1.53E+09	4.91E+08	4.9E+09	1.27E+10	1.57E+10	22700000	0.54	63.7	20.1
2.96E+09	1.44E+09	3.63E+08	4.83E+09	1.36E+10	2.21E+10	2.71E+10	-20.7	14.6	24.7
2.96E+09	1.44E+09	3.63E+08	4.83E+09	1.36E+10	2.21E+10	2.71E+10	-21.4	14.6	24.7
3.19E+09	1.51E+09	3.39E+08	5.22E+09	1.43E+10	1.54E+10	2.1E+10	18.7	13.2	21.8
3.19E+09	1.51E+09	3.39E+08	5.22E+09	1.43E+10	1.54E+10	2.1E+10	26.7	13.2	21.8
2.7E+09	8.37E+08	3.54E+08	4.8E+09	1.46E+10	1.38E+10	2.37E+10	-17	13.1	22.3
2.7E+09	8.37E+08	3.54E+08	4.8E+09	1.46E+10	1.38E+10	2.37E+10	-17.7	13.1	22.3
3.38E+09	2.19E+09	3.33E+08	5.55E+09	1.52E+10	1.85E+10	1.9E+10	-2.81	7.57	18.6
3.38E+09	2.19E+09	3.33E+08	5.55E+09	1.52E+10	1.85E+10	1.9E+10	-2.3	7.57	18.6
1.66E+09	7.94E+08	91600000	2.48E+09	6.17E+09	9.28E+09	23800000	1.53	-31.9	4.02
2.58E+09	1.94E+09	82400000	3.68E+09	8.65E+09	1.58E+10	9.28E+09	-3.81	7.05	26.9
2.2E+09	1E+09	1.01E+08	3.38E+09	8.02E+09	1.18E+10	1.47E+10	34	17.8	29.8
1.89E+09	9.69E+08	1.41E+08	3.09E+09	7.87E+09	1.12E+10	1.79E+10	-21.2	6.91	27.4
1.71E+09	3.77E+08	2.29E+08	3.33E+09	8.74E+09	1.09E+10	1.53E+10	12.9	7.88	24
3.83E+09	5.99E+08	1.96E+09	4.07E+09	1.42E+10	2.52E+10	12300000	1.58	-10.5	15.7
1.06E+10	4.31E+09	2.12E+09	1.09E+10	2.28E+10	5.54E+10	3.51E+10	98.3	4.79	27
9.27E+09	3.47E+09	3.47E+09	9.71E+09	2.28E+10	4.6E+10	5.38E+10	60.4	25.7	46.4
8.52E+09	1.85E+09	4.82E+09	9.3E+09	2.29E+10	4.88E+10	7.25E+10	-8.94	18.7	40.7
9.54E+09	1.89E+09	4.81E+09	1.01E+10	2.55E+10	6.61E+10	6.57E+10	12	14.4	37.3
3.35E+09	1.38E+10	2.37E+08	6.77E+09	1.72E+10	0	19700000	1.28	1.11	25.7
3.42E+09	2.25E+09	2.48E+08	7.17E+09	1.76E+10	0	0	0	0	19.5
3.1E+09	1.92E+09	3.1E+08	7.18E+09	1.83E+10	0	0	0	14.3	19.4
3.42E+09	1.39E+09	3.87E+08	7.92E+09	1.96E+10	2.87E+10	0	0	14.7	16.9
3.61E+09	1.99E+09	4.01E+08	8.21E+09	1.97E+10	3.98E+10	2.66E+10	32.4	19.1	17.5
0	0	0	0	0	0	40300000	0	0	16.4
7.98E+08	-6.33E+08	5.77E+08	5.31E+09	3.3E+10	0	0	0	0	0
-5.6E+08	-2.74E+09	5.13E+08	3.65E+09	2.97E+10	0	0	0	0	2.42
1.06E+09	-4.38E+08	7.44E+08	4.97E+09	3.32E+10	0	0	0	0	-1.89
2.22E+09	1.55E+09	8.83E+08	6.34E+09	3.49E+10	8.2E+10	0	0	-4.74	3.18
1.18E+09	9.92E+08	1.85E+08	2.48E+09	4.19E+09	1.99E+10	40400000	0.99	60.5	19
1.37E+09	1.08E+09	3.08E+08	2.89E+09	4.98E+09	2.76E+10	1.61E+10	22.7	19.3	28.2
1.19E+09	9.74E+08	2.44E+08	2.81E+09	4.86E+09	1.7E+10	2.02E+10	13.8	18.6	27.6
1.27E+09	1.29E+09	1.94E+08	3.01E+09	5.23E+09	1.94E+10	2.3E+10	-32.2	15.8	24.5
1.77E+09	1.41E+09	1.94E+08	3.7E+09	6.3E+09	3.93E+10	1.51E+10	39.3	19.5	24.3
6.86E+08	2.67E+08	83900000	2.75E+09	4.1E+09	1.07E+10	14900000	1.2	7.4	122.9
1.15E+09	7.94E+08	59800000	3.29E+09	4.73E+09	2.78E+10	1.66E+10	3.95	26.3	16.7
1.31E+09	8.08E+08	1.08E+08	3.78E+09	5.48E+09	2.39E+10	1.67E+10	108.7	108.6	24.3
1.27E+09	8.83E+08	1.03E+08	4E+09	5.91E+09	2.6E+10	3.01E+10	0.54	269.8	24



1.31E+09	1.25E+09	1.02E+08	4.24E+09	6.27E+09	3.99E+10	2.92E+10	34.2	194.3	21.6
9.67E+08	5.91E+08	8000000	2.13E+09	2.49E+09	1.22E+10	3880000	0.93	20	27.7
1.32E+09	9.1E+08	5000000	2.35E+09	2.75E+09	1.48E+10	1.87E+10	-18.6	15.6	38.8
1.36E+09	5.54E+08	7000000	2.61E+09	3.11E+09	1.5E+10	1.5E+10	25	0	47.8
1.39E+09	1.39E+09	18000000	3.05E+09	3.78E+09	1.06E+10	1.75E+10	-17.5	91.4	43.8
2.26E+09	6.32E+08	15000000	3.12E+09	3.89E+09	1.66E+10	2.33E+10	6.49	74.6	36.7
5.49E+08	3.51E+08	62100000	9.58E+08	2.49E+09	1.32E+10	43600000	1.64	20	13.1
8.35E+08	5.51E+08	1.1E+08	1.36E+09	3.74E+09	3.15E+10	7.13E+09	126.1	27.2	22.1
7.23E+08	4E+08	86200000	1.52E+09	4.56E+09	7.45E+09	1.48E+10	54.8	29.9	22.3
5.53E+08	2.15E+08	1.29E+08	1.37E+09	4.02E+09	5.12E+09	2.29E+10	-71.4	17.6	15.8
7.09E+08	3.16E+08	1.37E+08	1.67E+09	4.3E+09	9.93E+09	7.72E+09	28.4	9.2	13.7
5.09E+09	3.17E+09	9.67E+08	6.33E+09	3.79E+10	3.76E+10	82900000	0.48	1.47	17.4
5.27E+09	3.26E+09	8.87E+08	6.41E+09	3.85E+10	5.65E+10	6.53E+10	-15.6	21.4	13.4
5.49E+09	3.39E+09	1.11E+09	6.62E+09	3.94E+10	6.87E+10	5.59E+10	40.1	19.6	13.7
4.57E+09	3.32E+09	9.04E+08	6.67E+09	4.23E+10	6.51E+10	7.03E+10	19	18.7	13.9
5.66E+09	3.78E+09	9.16E+08	7.36E+09	4.77E+10	8.27E+10	7.86E+10	4.66	16.6	10.8
2.83E+09	5.7E+09	1.58E+09	1.6E+10	7.58E+10	6.5E+10	17700000	1.49	30.7	27.6
2.29E+09	-6.34E+09	1.11E+09	1.13E+10	5.65E+10	1.15E+11	1.81E+11	-3.23	19.3	3.74
5.17E+09	3.36E+08	6.62E+08	7.58E+09	2.91E+10	8.56E+10	1.57E+11	9.34	-12.6	4.06
7.42E+09	9.48E+09	8.62E+08	9.53E+09	3.53E+10	1.2E+11	1.5E+11	-11.3	3.53	17.7
8.94E+09	6.56E+09	1.03E+09	1.2E+10	3.87E+10	1.89E+11	1.1E+11	52.3	29.8	21
3.98E+09	2.41E+09	5.29E+08	6.49E+09	1.83E+10	3.61E+10	16800000	-0.03	-2.1	27.5
3.96E+09	2.24E+09	5.29E+08	6.37E+09	1.86E+10	3.74E+10	4.69E+10	9.78	27	21.8
3.77E+09	2.91E+09	5.71E+08	6.33E+09	1.94E+10	4.84E+10	4.82E+10	14.6	22.7	21.3
4.09E+09	2.44E+09	7.57E+08	6.95E+09	2.02E+10	3.77E+10	5.31E+10	24.4	28.2	19.5
4.36E+09	2.6E+09	7.81E+08	7.02E+09	1.99E+10	3.79E+10	6.08E+10	-22.3	24.6	20.3
1.37E+10	6.43E+09	5.3E+09	1.45E+10	1.22E+11	4.94E+10	64200000	1.34	48.3	8.91
1.69E+10	1E+10	7.51E+09	1.81E+10	1.27E+11	7.9E+10	1.39E+11	13.8	13.2	11.1
1.78E+10	9.93E+09	9.24E+09	2.12E+10	1.57E+11	5.52E+10	1.51E+11	40.8	17.2	13.3
1.58E+10	1.01E+10	1.1E+10	1.93E+10	1.72E+11	3.75E+10	1.82E+11	-42.6	14.1	11.4
1.87E+10	6.01E+09	1.08E+10	2.31E+10	1.87E+11	5.71E+10	1.42E+11	6.78	14	9.19
1.27E+09-29100000	1.54E+08	5.65E+09	1.65E+10	1.3E+10	34200000		0.77	-15.7	20.6
1.56E+09	8.99E+08	2.66E+08	6.63E+09	1.89E+10	1.87E+10	1.95E+10	-5.46	4.73	7.71
2.03E+09	1.18E+09	3.4E+08	7.74E+09	2.21E+10	2.52E+10	1.73E+10	39.6	26.7	8.28
2.15E+09	1.32E+09	5.13E+08	8.29E+09	2.31E+10	1.79E+10	2.23E+10	23.8	32.4	9.18
1.95E+09	9.04E+08	5.67E+08	8.53E+09	2.35E+10	1.62E+10	2.79E+10	-20.2	32	9.3
1.24E+10	1.23E+08	6.5E+08	2.1E+10	2.47E+10	7.29E+10	15200000	0.35	14	2.29
1.4E+10	6.23E+09	5.79E+08	2.18E+10	2.73E+10	8.14E+10	8.23E+10	-10.3	0.44	50.4
1.31E+10	4.59E+09	7.28E+08	2.16E+10	2.73E+10	9.94E+10	7.53E+10	24.6	31.6	51.2
1.2E+10	5.67E+09	5.85E+08	2.11E+10	2.71E+10	9.69E+10	1.11E+11	18.2	21.6	47.9
1.35E+10	4.8E+08	5.23E+08	2.25E+10	2.88E+10	1.1E+11	1.25E+11	-5.64	25.5	44.1
2.51E+09	5.85E+08	4.36E+08	3.81E+09	7.42E+09	4.72E+10	89100000	0.98	-11.8	7.03
3.05E+09	9.66E+08	4.93E+08	4.79E+09	8.52E+09	4.2E+10	6.3E+10	18	2.18	33.8

3.64E+09	1.12E+08	6.16E+08	5.23E+09	8.98E+09	3.47E+10	7.23E+10	-37.2	3.7	35.8
3.99E+09	9.86E+08	6.58E+08	5.95E+09	9.65E+09	2.7E+10	4.85E+10	-26.5	0.59	40.6
4.4E+09	1.57E+09	6.75E+08	6.36E+09	1.01E+10	2.63E+10	3.9E+10	27.9	4.44	41.3
1E+09	7.32E+08	41800000	1.28E+09	4.74E+09	8.64E+09	57900000	0.55	-8.38	21.9
1.39E+09	1.03E+09	38200000	1.69E+09	5.11E+09	9.06E+09	1.29E+10	-9.78	9.11	21.2
1.22E+09	8.94E+08	27900000	1.56E+09	5.23E+09	1.11E+10	1.18E+10	-1.31	11.8	27.1
1.32E+09	9.71E+08	49600000	1.66E+09	5.45E+09	1.07E+10	1.13E+10	28.6	14.2	23.3
1.5E+09	1.07E+09	71000000	1.89E+09	5.78E+09	9.61E+09	1.37E+10	0.97	23	24.2
5.09E+08	-5E+08	66500000	2.16E+09	3.32E+09	1.18E+10	3870000	0.98	85.9	248.4
6.6E+08	2.42E+08	51100000	2.44E+09	3.82E+09	1.17E+10	1.33E+10	22.1	-128.3	15.3
7.44E+08	3.52E+08	59700000	2.61E+09	4.09E+09	1.27E+10	1.68E+10	2.3	680.1	17.3
8.22E+08	1.37E+09	42000000	2.68E+09	4.25E+09	1.06E+10	1.71E+10	-11.8	0	18.2
1.07E+09	9.37E+08	26600000	2.92E+09	4.57E+09	2.27E+10	1.45E+10	41.9	0	19.3
9.98E+09	3.75E+09	2.84E+09	1.93E+10	5.15E+10	4.19E+10	-7640000	1.41	10.9	824.4
1.25E+10	6.96E+09	3.58E+09	2.25E+10	5.88E+10	8.02E+10	8.76E+10	11.3	377.1	19.4
1.2E+10	5.64E+09	4.4E+09	2.32E+10	6.02E+10	6.42E+10	8.39E+10	56.2	352.5	21.3
1.27E+10	5.24E+09	4.74E+09	2.56E+10	6.5E+10	5.98E+10	1.15E+11	-6.6	965.3	20
1.39E+10	5.76E+09	4.88E+09	2.87E+10	7.06E+10	9.31E+10	1.09E+11	12.8	1234.2	19.6
5.07E+09	3.23E+09	5.13E+08	1.09E+10	5.77E+10	2.47E+10	-1680000	1.3	8.44	0
6.35E+09	6.52E+09	7.24E+08	1.35E+10	6.49E+10	3.5E+10	3.05E+10	19.7	0	8.8
5.41E+09	2.52E+09	7.1E+08	1.17E+10	5.97E+10	3.23E+10	3.4E+10	53.2	0	9.79
5.23E+09	3.42E+09	5.59E+08	1.16E+10	5.31E+10	2.59E+10	4.53E+10	-28.7	0	9.06
4.93E+09	2.72E+09	7.36E+08	1.18E+10	5.39E+10	3.52E+10	3.56E+10	12	0	9.85
1.64E+09	-2.95E+09	7.28E+08	1.04E+09	1.44E+10	1.07E+10	12000000	1.02	-24.8	25.2
2.65E+09	1.46E+09	7.99E+08	2.02E+09	1.53E+10	2.24E+10	3.14E+10	-22.8	-45.2	11.3
3.94E+09	1.57E+09	1.01E+09	3.24E+09	2.03E+10	3.26E+10	2.54E+10	21	25.1	17.3
5.08E+09	2.64E+09	1.38E+09	4.36E+09	2.3E+10	3.53E+10	2.82E+10	72.1	21.7	19.4
5.01E+09	2.5E+09	1.44E+09	4.3E+09	2.29E+10	2.44E+10	4.27E+10	-8.13	30.6	22.1
9.91E+08	2.23E+08	1.26E+08	2.79E+09	5.47E+09	1.13E+10	9830000	0.6	9.5	34.7
1.18E+09	4.29E+08	1.33E+08	3.24E+09	6.42E+09	1.32E+10	1.52E+10	-11.4	7.57	18.1
6.62E+08	2.04E+08	1.28E+08	2.9E+09	5.86E+09	9.08E+09	1.72E+10	8.81	14.4	18.3
5.3E+08	-1.49E+09	1.36E+08	2.39E+09	5E+09	6.25E+09	1.74E+10	-40.1	6.83	11.3
9.5E+08	3.86E+08	87200000	2.62E+09	4.14E+09	9.29E+09	1.2E+10	-16.3	-75.4	10.6
7.41E+08	4.14E+08	0	8.5E+08	1.64E+09	1.45E+10	13100000	1.07	2.37	3.35
1E+09	5.06E+08	0	1.13E+09	1.9E+09	1.91E+10	2.43E+10	-12.3	2.29	45.1
1.08E+09	5E+08	0	1.2E+09	2.06E+09	1.28E+10	2.32E+10	19.4	1.9	53
1.15E+09	3.06E+08	0	1.28E+09	2.18E+09	8.74E+09	2.57E+10	-30.5	7.12	52.4
1.46E+09	2.43E+08	0	1.62E+09	2.7E+09	1.59E+10	2.08E+10	-21	4.71	52.8
7.53E+08	4.04E+08	49000000	2.82E+09	1.01E+10	9.08E+09	31600000	0.81	-8.6	7.97
1.07E+09	6.31E+08	79000000	3.67E+09	1.24E+10	1.07E+10	1.2E+10	0.21	10.2	7.44
1.08E+09	5.38E+08	96000000	3.83E+09	1.26E+10	9.55E+09	1.13E+10	16	14.7	8.63
9.5E+08	4.16E+08	1.47E+08	3.86E+09	1.23E+10	8.64E+09	1.3E+10	3.02	12.1	8.55
1.01E+09	3.9E+08	1.48E+08	4.02E+09	1.27E+10	8.95E+09	1.33E+10	-5.21	8.88	7.7

4.3E+09	-4.32E+08	2.33E+09	8.46E+09	2.69E+10	1.11E+10	17400000	1.46	25.7	12.1
4.83E+09	3.72E+09	2.61E+09	9.43E+09	2.79E+10	1.92E+10	3.13E+10	-25.3	-2.58	16
4.94E+09	8.56E+08	3.29E+09	9.82E+09	2.93E+10	1.85E+10	2.89E+10	33.1	20.3	17.3
4.92E+09	1.91E+09	2.69E+09	1E+10	2.81E+10	1.96E+10	3.19E+10	1.2	4.24	16.8
5.06E+09	2.82E+09	2.24E+09	9.74E+09	3.12E+10	2.64E+10	3.09E+10	6.39	9.2	17.5
2.19E+08	-7.15E+08	46000000	9.8E+08	1.6E+09	2.44E+10	-15100000	1.19	35.7	0
1.22E+09	4.1E+08	35000000	1.77E+09	2.44E+09	4.01E+10	3.95E+10	0.32	0	13.7
2.27E+09	1.26E+09	39000000	2.74E+09	3.74E+09	3.64E+10	3.92E+10	40.2	0	49.9
2.41E+09	1.14E+09	1.51E+08	3.27E+09	4.41E+09	3.88E+10	5.19E+10	-19	0	60.8
2.5E+09	1.54E+09	96000000	3.62E+09	4.75E+09	5.81E+10	4.24E+10	44.1	0	54.7
2.27E+09	1.38E+09	1.7E+08	3.23E+09	4.54E+09	1.78E+10	21100000	0.63	0.9	15.8
2.65E+09	1.72E+09	1.7E+08	3.89E+09	5.49E+09	1.86E+10	1.63E+10	39.5	49.9	50
1.68E+09	9.9E+08	1.19E+08	2.92E+09	4.47E+09	1.67E+10	2.12E+10	5.12	44.1	48.3
1.21E+09	5.15E+08	1.59E+08	2.4E+09	3.97E+09	1.6E+10	2.12E+10	-2.29	20.6	37.7
1.28E+09	7.44E+08	1.24E+08	2.46E+09	4.04E+09	1.88E+10	1.89E+10	-4.49	10.6	30.4
7.66E+09	4.78E+09	9.06E+08	1.05E+10	3.26E+10	1.16E+11	25700000	1.05	7.72	32.2
8.7E+09	5.54E+09	8.95E+08	1.23E+10	3.44E+10	1.51E+11	1.34E+11	20.2	26.7	23.5
8.27E+09	4.97E+09	7.66E+08	1.31E+10	3.55E+10	1.38E+11	1.57E+11	-1.97	30.3	25.3
8.73E+09	5.66E+09	1.04E+09	1.37E+10	3.67E+10	1.19E+11	1.54E+11	2.78	27.2	23.3
9.58E+09	5.71E+09	1.16E+09	1.47E+10	3.85E+10	1.33E+11	1.55E+11	-2.14	33.6	23.8
1.33E+09	8.88E+08	3.5E+08	1.89E+09	9.69E+09	2.63E+10	17300000	0.3	-2.3	9.52
1.42E+09	9.26E+08	2.42E+08	2.03E+09	1.2E+10	2.3E+10	2.37E+10	3.33	14	13.8
1.48E+09	9.78E+08	2.66E+08	2.12E+09	1.24E+10	2.56E+10	2.48E+10	4.72	13.6	11.9
1.33E+09	7.95E+08	2.8E+08	2.02E+09	1.21E+10	1.75E+10	2.93E+10	-6.68	13.3	11.9
1.32E+09	7.57E+08	2.81E+08	1.99E+09	1.19E+10	1.68E+10	2.73E+10	-29.5	10.3	10.9
-3.18E+08	-7.32E+08	0	-2.29E+08	1.59E+09	7.39E+09	9430000	1.38	-10	10.4
5.35E+08	-11000000	0	6.34E+08	2.92E+09	1.2E+10	1.64E+10	-21.1	-10.7	-20
1.43E+09	6.33E+08	0	1.53E+09	4.91E+09	1.33E+10	1.42E+10	18.9	-0.17	18.3
1.46E+09	7.4E+08	0	1.58E+09	5.32E+09	1.09E+10	1.76E+10	-7.71	9.56	29
1.54E+09	6.97E+08	0	1.66E+09	5.69E+09	1.25E+10	1.55E+10	21.3	11	27.5
1.1E+09	2.61E+08	2.67E+08	1.42E+09	5.26E+09	7.52E+09	11300000	1.45	102.1	26.9
1.1E+09	2.58E+08	1.99E+08	1.37E+09	4.97E+09	1.27E+10	1.87E+10	-7.25	5.16	21
1.26E+09	4.69E+08	1.93E+08	1.6E+09	5.66E+09	1.5E+10	1.63E+10	11.5	7.28	22
1.46E+09	7.65E+08	2.19E+08	1.86E+09	6.64E+09	1.8E+10	1.73E+10	23.8	13.2	22.3
1.88E+09	1.16E+09	3.21E+08	2.29E+09	7.43E+09	4.13E+10	2.02E+10	37.3	20	21.9
6.42E+08	3.51E+08	82800000	1.1E+09	3.68E+09	7.89E+09	61800000	0.96	27.3	25.4
6.76E+08	4E+08	90200000	1.15E+09	4.19E+09	1.08E+10	9.59E+09	6.07	16.5	17.4
8.54E+08	5.46E+08	1.29E+08	1.48E+09	4.95E+09	1.27E+10	9.79E+09	32.8	17.2	16.1
1.19E+09	7.6E+08	1.66E+08	1.89E+09	5.37E+09	1.52E+10	1.27E+10	12.7	22.4	17.3
1.31E+09	7.78E+08	1.8E+08	1.91E+09	5.63E+09	2.32E+10	1.38E+10	40.2	29.1	22.1
5.25E+09	3.37E+09	9.64E+08	1.55E+10	7.72E+10	5.28E+10	1.39E+08	0.43	-44.6	7.41
3.42E+09	2.93E+09	1.34E+09	1.39E+10	8.31E+10	5.95E+10	4.98E+10	11.9	26.1	6.81
4.59E+09	2.81E+09	1.14E+09	1.72E+10	9.29E+10	7.02E+10	5.43E+10	13.1	19.7	4.12

4.94E+09	2.49E+09	1E+09	1.8E+10	1.06E+11	6.42E+10	6.78E+10	10.4	17.8	4.95
3.35E+09	1.21E+09	5.75E+08	1.71E+10	1.18E+11	3.21E+10	6.22E+10	-10.6	15.7	4.64
0	8.17E+08	1.19E+08	3.76E+09	3.76E+09	1.06E+10	12500000	0.98	27.9	10
0	1.3E+09	2.47E+08	5.96E+09	5.96E+09	2.28E+10	0	-16.2	6.59	0
0	2.24E+09	2.14E+08	6.96E+09	6.96E+09	2.18E+10	0	22.1	8.03	0
0	1.95E+09	1.4E+08	6.95E+09	6.95E+09	1.38E+10	0	-8.56	12.1	0
0	1.94E+09	1.43E+08	6.95E+09	6.95E+09	2.29E+10	0	-9.79	10.6	0
1.13E+09	6.96E+08	3.53E+08	1.67E+09	9.36E+09	5.97E+09	98500000	0.37	-27.2	12.6
9.46E+08	5.44E+08	3.31E+08	1.37E+09	9.52E+09	8.14E+09	1.2E+10	-32	39.9	12.1
1.15E+09	5.79E+08	2.84E+08	1.44E+09	1.07E+10	1.03E+10	8.63E+09	9.54	23.1	9.93
1.12E+09	6.81E+08	2.92E+08	1.65E+09	1.15E+10	8.67E+09	1.04E+10	23.5	18.4	10.8
9.91E+08	5.5E+08	3.67E+08	1.45E+09	1.15E+10	9.82E+09	1.23E+10	12.6	18	9.77
6.22E+08	3.78E+08	51600000	1.03E+09	2.35E+09	1.29E+10	51700000	1.04	-3.6	13.8
7.57E+08	4.49E+08	72700000	1.24E+09	2.76E+09	1.69E+10	1.35E+10	15.8	15.7	26.4
9.09E+08	5.87E+08	68000000	1.44E+09	3.18E+09	1.68E+10	1.54E+10	18.6	16.8	27.4
9.04E+08	5.96E+08	89900000	1.45E+09	3.27E+09	1.44E+10	1.85E+10	-3.38	20.1	28.6
8.81E+08	5.05E+08	65100000	1.45E+09	3.27E+09	1.66E+10	1.78E+10	-4.91	18.1	27.6
7.91E+08	5.82E+08	1.07E+08	1.57E+09	2.71E+09	3.62E+10	20500000	1.58	-25.5	57.7
1.04E+09	7.45E+08	1.2E+08	1.89E+09	3.22E+09	5.67E+10	2.33E+10	91.4	143.6	29.2
1.01E+09	6.79E+08	1.49E+08	2E+09	3.37E+09	3.03E+10	4.35E+10	31.7	112.6	32.2
1.21E+09	8.45E+08	1.34E+08	2.19E+09	3.66E+09	3.29E+10	5.67E+10	-38	104.6	30
1.32E+09	8.88E+08	1.21E+08	2.38E+09	3.9E+09	3.71E+10	3.52E+10	36.1	80.7	33.1
1.83E+09	2.79E+08	6.16E+08	3.86E+09	1.14E+10	2.95E+10	37100000	1.33	-15.1	22.5
2.5E+09	9.66E+08	6.4E+08	4.64E+09	1.39E+10	4.99E+10	4.14E+10	16	4.91	16.1
2.57E+09	1.09E+09	6.74E+08	5.03E+09	1.44E+10	3.87E+10	4.61E+10	57.5	15.8	18
2.72E+09	1.36E+09	6.49E+08	5.24E+09	1.5E+10	3.24E+10	6.49E+10	-27.4	18.5	17.8
2.92E+09	1.37E+09	6.02E+08	5.38E+09	1.54E+10	3.94E+10	4.93E+10	12.9	22.9	18.2
3.32E+09	2.11E+09	2.36E+08	5.2E+09	1.26E+10	6.2E+10	11400000	1.11	-3.2	110.2
3.91E+09	2.69E+09	2.96E+08	5.97E+09	1.45E+10	7.15E+10	6.37E+10	13.5	67.9	26.4
4.24E+09	3.03E+09	4.12E+08	6.5E+09	1.59E+10	6.58E+10	7.03E+10	21.1	79.1	27
4.47E+09	2.96E+09	4.55E+08	6.79E+09	1.61E+10	6.73E+10	8.3E+10	-10.7	90.4	26.6
4.69E+09	3.49E+09	4.37E+08	7.04E+09	1.59E+10	7.81E+10	7.45E+10	18.9	96.9	27.7
-1.87E+08	-3E+08	1.87E+08	2.77E+08	2.67E+09	1.89E+10	22900000	0.74	10	0.76
6.6E+08	9.49E+08	1.81E+08	1.34E+09	2.99E+09	1.48E+10	1.69E+10	-0.39	-11.4	-7.01
6.65E+08	3.41E+08	77800000	1.71E+09	3.39E+09	1.66E+10	1.74E+10	-15.6	29.7	22.1
7.39E+08	5.98E+08	32500000	1.94E+09	3.7E+09	1.17E+10	1.4E+10	9.43	8.37	19.6
1.78E+08	32600000	86300000	1.48E+09	4.24E+09	1.42E+10	1.49E+10	-21.8	12.5	20
6.87E+08	-33300000	42000000	1.4E+09	3.97E+09	1.46E+10	26000000	1.43	17	8.42
1.04E+09	5.63E+08	64100000	1.99E+09	5.15E+09	2.26E+10	8.76E+09	24.2	-1.03	17.3
1.31E+09	6.05E+08	94600000	2.33E+09	5.92E+09	2.03E+10	2.18E+10	35.8	5.73	20.3
1.7E+09	7.79E+08	1.05E+08	2.88E+09	6.88E+09	2.45E+10	2.68E+10	-15.5	6.47	22.2
1.94E+09	8.39E+08	1.49E+08	3.17E+09	7.24E+09	3.93E+10	2.25E+10	48	8.22	24.7
1.07E+08	6800000	1.29E+08	5.82E+08	9.04E+08	1.46E+10	16800000	1.4	20.3	43

1.83E+08	16800000	1.12E+08	7.52E+08	1.1E+09	2.14E+10	1.1E+10	49.3	2	11.8
1.21E+08	4600000	1.23E+08	8.06E+08	1.31E+09	1.77E+10	1.69E+10	4.08	2.9	16.7
2.81E+08	2.06E+08	75600000	1.15E+09	1.7E+09	9.13E+09	1.88E+10	10.6	0.89	9.26
3.9E+08	4.18E+08	1.25E+08	1.45E+09	2.07E+09	1.62E+10	2.11E+10	-26.3	34.1	16.6
3.61E+10	2.09E+10	1.45E+10	4.36E+10	7.79E+10	1.81E+11	24400000	1.33	-60.1	-17.9
3.39E+10	1.99E+10	2.03E+10	4.38E+10	7.9E+10	1.99E+11	2.77E+11	-16.8	26.4	46.4
1.7E+10	8.01E+09	2.48E+10	2.84E+10	6.31E+10	1.2E+11	2.22E+11	3.37	22.5	42.9
1.09E+10	1.69E+09	2.58E+10	2.29E+10	5.42E+10	1.5E+11	2.13E+11	-48.7	8.07	26.9
7.53E+09	-1.88E+10	2.39E+10	1.82E+10	5.31E+10	9.54E+10	1.25E+11	90.1	1.57	20
0	1.95E+08	50000000	1.92E+09	2.24E+09	4.32E+09	9900000	1.22	113.1	22.2
0	3.08E+08	77000000	2.48E+09	2.75E+09	6.95E+09	0	30.7	13.9	0
0	3.8E+08	69000000	2.81E+09	3.17E+09	8.24E+09	0	30.4	17	0
0	6E+08	49000000	3.99E+09	4.42E+09	8.55E+09	0	-8.9	16.9	0
0	7.55E+08	49000000	4.71E+09	5.2E+09	1.68E+10	0	14.6	21.9	0
3.7E+09	2.09E+09	2.07E+08	6.04E+09	6.04E+09	5.3E+10	48200000	1.09	16	10.5
4.35E+09	4.06E+09	1.79E+08	7.15E+09	7.15E+09	7.8E+10	5.91E+10	24.6	11.4	61.3
4.52E+09	1.45E+09	2.25E+08	7.29E+09	7.29E+09	5.4E+10	8.19E+10	18.6	19.2	60.8
4.9E+09	2.37E+09	1.9E+08	7.99E+09	7.99E+09	5.94E+10	9.11E+10	-25	6.58	61.9
5.64E+09	2.75E+09	4.06E+08	9.28E+09	9.28E+09	9.56E+10	7.45E+10	25.2	10	61.3
1.14E+10	5.59E+09	2.62E+09	3.09E+10	5.52E+10	9.95E+10	28100000	0.72	34.4	24.1
1.13E+10	5.74E+09	2.06E+09	3.15E+10	5.74E+10	1.12E+11	1.8E+11	-6.09	18.9	20.6
1.08E+10	1.64E+09	1.35E+09	3.27E+10	6.05E+10	1.25E+11	1.67E+11	6.18	23.7	19.7
1.27E+10	7.5E+09	1.25E+09	3.43E+10	6.19E+10	1.3E+11	1.71E+11	5.41	8.69	17.8
1.29E+10	6.02E+09	1.05E+09	3.56E+10	6.28E+10	1.89E+11	1.72E+11	16.1	33.7	20.6
9.31E+08	3.63E+08	1.92E+08	2.09E+09	5.08E+09	1.1E+10	57600000	1.09	4.42	1.73
1.82E+09	2.7E+08	3.93E+08	3.74E+09	1.17E+10	3.67E+10	1.81E+10	-15.6	5.76	18.3
2.25E+09	-1.87E+09	5.04E+08	4.15E+09	1.24E+10	2.47E+10	1.56E+10	38.4	2.02	15.6
1.75E+09	-2.57E+09	5.03E+08	3.68E+09	1.15E+10	1.67E+10	5.01E+10	-30.4	-9.57	18.1
1.74E+09	2.43E+08	4.63E+08	4.12E+09	1.15E+10	2.59E+10	3.77E+10	-22.8	-15.8	15.3
2.55E+09	4.82E+08	7.51E+08	5.23E+09	1.76E+10	1.72E+10	23600000	1.06	48.9	6.74
2.81E+09	1.75E+09	5.49E+08	5.53E+09	1.94E+10	1.92E+10	2.82E+10	7.97	2.34	14.5
2.99E+09	1.5E+09	9.31E+08	6.02E+09	2.12E+10	1.2E+10	2.8E+10	-5.51	9.59	14.5
2.18E+09	2.88E+08	1.14E+09	5.32E+09	1.89E+10	1.16E+10	2.5E+10	-26.3	19.8	14.1
2.04E+09	5.57E+08	9.21E+08	5.33E+09	1.86E+10	1.7E+10	1.76E+10	4.39	3.58	11.5
2.32E+09	1.75E+09	62000000	6.38E+09	7.72E+09	8.24E+10	67000000	1.25	0.56	17.4
3.07E+09	2.17E+09	89000000	9.46E+09	1.14E+10	1.71E+11	6.67E+10	45	27.7	30
3.4E+09	1.95E+09	1.82E+08	1.1E+10	1.37E+10	1.22E+11	1.02E+11	69.3	17.8	26.9
4.09E+09	2.77E+09	2.25E+08	1.19E+10	1.51E+10	1.37E+11	1.81E+11	-39.5	12.4	24.8
4.71E+09	3.04E+09	1.08E+08	1.37E+10	1.72E+10	1.74E+11	1.14E+11	60.6	16.9	27.1
1.32E+09	1.06E+09	3.42E+08	2.86E+09	4.36E+09	7.84E+10	45700000	1.61	54.7	15.6
2.13E+09	1.7E+09	3.4E+08	3.96E+09	5.71E+09	1.29E+11	6.55E+10	38.4	11.8	30.3
1.96E+09	1.32E+09	5.32E+08	4.2E+09	6.22E+09	8.63E+10	9.14E+10	31.8	15.9	37.3
2.17E+09	1.8E+09	1.06E+09	4.73E+09	7.12E+09	9.1E+10	1.24E+11	-26.1	11.7	31.5

2.83E+09	2.32E+09	1.11E+09	5.63E+09	8.35E+09	1.83E+11	8.95E+10	27.1	14.8	30.4
1.45E+09	7.62E+08	1.15E+08	1.88E+09	6.15E+09	6.02E+09	31400000	1.63	-2.02	4.76
1.93E+09	1.63E+09	1.09E+08	2.31E+09	6.89E+09	1.17E+10	1.46E+10	-3.06	5.43	23.7
1.46E+09	9.21E+08	1.93E+08	1.99E+09	6.05E+09	7.01E+09	1.41E+10	32.1	12.4	28
1.02E+09	96900000	1.64E+08	1.56E+09	5.72E+09	5.81E+09	1.61E+10	-21.9	5.52	24.2
1.21E+09	7.75E+08	69100000	1.7E+09	6.07E+09	8E+09	1.42E+10	-0.83	-1.03	17.8
1.02E+09	1.96E+08	0	1.08E+09	1.82E+09	1.53E+10	16100000	0.81	-6.27	4.56
1.14E+09	2.61E+08	0	1.22E+09	2E+09	2.46E+10	2.52E+10	-0.9	2.35	56
1.28E+09	3.83E+08	0	1.35E+09	2.23E+09	1.96E+10	2.51E+10	52.7	2.86	57.3
1.36E+09	5.2E+08	0	1.44E+09	2.41E+09	1.79E+10	3.47E+10	-34.6	3.82	57.5
1.43E+09	4.54E+08	0	1.52E+09	2.59E+09	2.04E+10	2.55E+10	15.1	5.08	56.2
1.42E+09	3.43E+08	4.38E+08	2.4E+09	4.15E+09	7.51E+09	-590000	1.08	50.2	225.1
1.54E+09	4.5E+08	6.11E+08	2.6E+09	4.49E+09	1.32E+10	1.95E+10	-7.5	25.2	34.3
1.72E+09	5.57E+08	8.75E+08	2.91E+09	5.1E+09	1.46E+10	1.95E+10	77.5	42.6	34.3
1.83E+09	1.84E+08	1.34E+09	3.12E+09	5.48E+09	1.7E+10	2.66E+10	-4.74	67.7	33.8
2.04E+09	1.8E+08	1.79E+09	3.45E+09	6.15E+09	3.74E+10	2.74E+10	40.4	33.4	33.4
1.24E+09	5.06E+08	7.39E+08	1.61E+09	9.64E+09	1.29E+10	38100000	1.24	-14.6	14.1
1.6E+09	7.61E+08	9.48E+08	2.02E+09	1.22E+10	2.07E+10	1.38E+10	17	20.8	12.9
1.98E+09	9.69E+08	1.54E+09	2.58E+09	1.48E+10	1.75E+10	1.56E+10	49.6	26.6	13.2
1.73E+09	7.28E+08	1.86E+09	2.4E+09	1.28E+10	1.75E+10	2.24E+10	-14.7	28.6	13.3
1.59E+09	5.71E+08	8.65E+08	2.28E+09	1.21E+10	1.83E+10	1.95E+10	14.6	18.7	13.5
0	2.91E+10	0	1.02E+11	1.02E+11	2.99E+11	1.17E+08	1.13	40.9	17.4
0	4.83E+10	0	1.31E+11	1.31E+11	5.02E+11	0	-8.85	10.8	0
0	3.77E+10	0	1.22E+11	1.22E+11	3.71E+11	0	24.6	16.9	0
0	4.96E+10	0	1.46E+11	1.46E+11	3.99E+11	0	-15.3	12.8	0
0	5.85E+10	0	1.67E+11	1.67E+11	6.32E+11	0	26.8	16	0
1.79E+09	2.14E+08	1.11E+09	2.15E+09	2.76E+10	4.96E+09	15300000	1.26	13	62.7
2.02E+09	7.37E+08	1.09E+09	2.4E+09	3E+10	8.59E+09	8.55E+09	2.9	11.3	6.48
2.41E+09	9.78E+08	1.42E+09	2.7E+09	3.45E+10	8.8E+09	8.48E+09	65.4	35.1	6.74
2.51E+09	7.89E+08	1E+09	2.9E+09	3.35E+10	1.54E+10	1.23E+10	-3.06	41.3	6.97
1.95E+09	1.29E+09	5.93E+08	2.51E+09	2.75E+10	1.4E+10	1.14E+10	86.8	31.1	7.51
4.49E+08	2.98E+08	32300000	6.8E+08	1.71E+09	1.13E+10	25300000	0.78	7.28	21.9
5.24E+08	3.46E+08	35800000	7.64E+08	1.87E+09	1.23E+10	1.12E+10	11.2	19.7	26.2
5.41E+08	3.53E+08	29700000	8.23E+08	2E+09	1.47E+10	1.22E+10	3.09	24.6	28.1
5.57E+08	3.73E+08	46300000	9E+08	2.16E+09	1.02E+10	1.24E+10	5.13	25.3	27.1
5.77E+08	4.05E+08	63100000	9.42E+08	2.27E+09	1.33E+10	1.31E+10	-6.92	23.1	25.8
1.09E+09	4.92E+08	1.13E+08	2.58E+09	1.36E+10	1.24E+10	0	0.8	2.94	8.17
1.46E+09	3.54E+08	95400000	3.3E+09	1.41E+10	1.83E+10	1.28E+10	21.3	7.66	8.01
1.35E+09	6.46E+08	1.41E+08	3.35E+09	1.53E+10	1.49E+10	1.56E+10	27.8	4.77	10.4
1.06E+09	7.02E+08	1.23E+08	2.58E+09	9.86E+09	1.65E+10	2.15E+10	-13.8	10.4	8.81
1.24E+09	6.16E+08	1.14E+08	2.9E+09	1.16E+10	1.76E+10	1.89E+10	8.1	5.71	10.8
2.75E+10	1.47E+10	3.35E+09	5.42E+10	8.26E+10	3.61E+11	29600000	0.39	-7.73	20.1
2.82E+10	2.09E+10	3.65E+09	5.53E+10	7.87E+10	4.29E+11	3.96E+11	7.89	24	33.3

2.85E+10	1.79E+10	4.01E+09	5.54E+10	8E+10	4.57E+11	4.21E+11	8.7	25.9	35.8
3.1E+10	3.52E+10	4.54E+09	5.91E+10	8.52E+10	3.54E+11	4.51E+11	3.26	21.7	35.6
2.99E+10	1.41E+10	4.42E+09	6.18E+10	8.88E+10	3.87E+11	4.6E+11	-11.3	18.3	36.4
2.62E+09	9.23E+08	4.08E+08	7.34E+09	2.21E+10	3.14E+10	25300000	1.34	36.9	8.18
3.73E+09	1.57E+09	5.96E+08	8.22E+09	2.42E+10	5.23E+10	3.69E+10	14.4	4.97	11.9
3.47E+09	1.27E+09	5.91E+08	8.54E+09	2.55E+10	4.04E+10	4.19E+10	74.5	9.61	15.4
3.13E+09	2.11E+09	3.94E+08	7.49E+09	2.15E+10	3.31E+10	6.62E+10	-21.3	8.17	13.6
3.34E+09	1.75E+09	5.28E+08	8.23E+09	2.32E+10	5.1E+10	5.33E+10	-9.94	10.1	14.6
0	2E+09	1.53E+08	8.51E+09	8.51E+09	1.93E+10	31900000	1.91	78.5	8.15
0	4.73E+09	1.02E+08	2E+10	2.48E+10	4.68E+10	0	38.8	14.4	0
0	-5.22E+08	85100000	3.1E+09	5.52E+09	4.25E+10	0	84	25.2	0
0	3.73E+09	1.08E+08	1.22E+10	1.87E+10	4.72E+10	0	-37.7	-0.74	0
0	3.08E+09	1.42E+08	1.3E+10	2.64E+10	1.24E+11	0	78.5	9.42	0
2.3E+09	1.37E+09	2E+08	3.57E+09	6.07E+09	3.05E+10	24100000	1.5	8.4	96.8
3.51E+09	2.99E+09	2.5E+08	4.96E+09	8.17E+09	5.65E+10	2.99E+10	45.3	48.4	37.9
4.58E+09	3.54E+09	3.52E+08	6.36E+09	1.05E+10	4.56E+10	4.15E+10	66.1	85.4	43
3.94E+09	2.71E+09	3.08E+08	5.78E+09	9.67E+09	6.25E+10	6.61E+10	-12.3	106.5	43.6
4.54E+09	3.21E+09	2.85E+08	6.47E+09	1.08E+10	9.27E+10	5.69E+10	54.2	95.9	40.8
2.25E+09	1.25E+09	5.05E+08	4.73E+09	1.38E+10	2.16E+10	11000000	0.25	44.8	37.4
2.05E+09	1.49E+09	5.53E+08	3.83E+09	1.17E+10	2.09E+10	3.21E+10	-10	36.4	16.3
1.58E+09	9.6E+08	4.88E+08	3.82E+09	1.27E+10	2.61E+10	2.96E+10	3.52	28.1	17.4
1.83E+09	9.51E+08	6.77E+08	4.29E+09	1.31E+10	1.72E+10	3.02E+10	10.6	17	12.5
2.44E+09	1.34E+09	6.28E+08	4.7E+09	1.27E+10	2.79E+10	3.18E+10	-21.5	20.4	13.9
3.79E+09	-8.79E+08	2.29E+08	7.88E+09	1.45E+10	0	5560000	0.67	-0.84	9.87
3.87E+09	2.08E+09	2.95E+08	8.47E+09	1.51E+10	0	0	0	0	26.2
3.54E+09	2.06E+09	3.75E+08	8.29E+09	1.5E+10	0	0	0	10.7	25.7
3.57E+09	1.66E+09	4.69E+08	8.64E+09	1.54E+10	3.57E+10	0	0	10.2	23.7
3.57E+09	1.03E+09	4.4E+08	8.99E+09	1.55E+10	4.38E+10	0	0	10.7	23.1
3.11E+09	1.33E+09	4.61E+08	6.49E+09	1.16E+10	3.79E+10	18700000	0.44	-3.6	5.77
3.74E+09	2.15E+09	4.23E+08	6.98E+09	1.27E+10	5.12E+10	5.62E+10	10.5	5.63	26.8
3.58E+09	1.44E+09	3.53E+08	7.32E+09	1.41E+10	5.61E+10	5.97E+10	15.2	8.79	29.5
3.94E+09	2.18E+09	4.25E+08	8.08E+09	1.48E+10	4.2E+10	6.61E+10	-3.26	5.73	25.5
4.13E+09	1.44E+09	5.63E+08	8.53E+09	1.54E+10	4.47E+10	6.3E+10	-6.56	8.59	26.6
0	1.34E+09	63000000	5.67E+09	5.67E+09	1.27E+10	14100000	1.13	19	-0.99
0	2.63E+09	66000000	7.68E+09	7.68E+09	2.17E+10	0	-18.9	7.59	0
0	1.92E+09	96000000	6.74E+09	6.74E+09	1.69E+10	0	41	14.8	0
0	9.67E+08	1.42E+08	5.89E+09	5.89E+09	9.43E+09	0	-24.7	12.4	0
0	-1.61E+08	65000000	4.24E+09	4.24E+09	1.62E+10	0	-17.3	6.86	0
1.14E+09	6.36E+08	1.13E+08	2.59E+09	4.31E+09	1.96E+10	30400000	1.18	0.97	12.2
1.42E+09	9.51E+08	1.88E+08	3.17E+09	5.01E+09	3.32E+10	1.95E+10	28.7	19.1	26.6
1.64E+09	1.16E+09	2.03E+08	3.53E+09	5.55E+09	3.18E+10	2.48E+10	56.3	25.9	28.4
1.5E+09	9.69E+08	1.84E+08	3.46E+09	5.34E+09	2.13E+10	3.78E+10	-17.2	28.1	29.6
1.12E+09	6.11E+08	1.39E+08	3.14E+09	5.02E+09	2.64E+10	3.06E+10	-7	21	28.1

4.27E+09	2.35E+09	1.22E+09	7.11E+09	1.91E+10	4.51E+10	3920000	0.31	7.84	252.4
3.59E+09	1.81E+09	1.01E+09	6.14E+09	1.94E+10	4.36E+10	5.52E+10	-1.98	450.8	22.3
3.39E+09	1.93E+09	8.76E+08	6.22E+09	2.02E+10	4.19E+10	5.3E+10	6	229.6	18.5
3.58E+09	1.76E+09	7.66E+08	7.03E+09	2.04E+10	4.04E+10	5.7E+10	-5.02	272.9	16.8
3.93E+09	2.55E+09	7.21E+08	7.32E+09	2.01E+10	4.48E+10	5.44E+10	-10.5	199.5	17.5
5.96E+08	1E+09	0	7.15E+08	1.06E+09	4.44E+09	15600000	1.32	9.95	4.08
8.25E+08	8.44E+08	0	9.47E+08	1.36E+09	1.39E+10	1.41E+10	-27.5	18.9	56.3
1.06E+09	1.26E+08	0	1.2E+09	1.73E+09	1.31E+10	1.17E+10	64.2	10.7	60.4
1.08E+09	6.54E+08	0	1.23E+09	1.78E+09	1.07E+10	2.26E+10	-14.1	1.15	61.3
1.23E+09	4.11E+08	0	1.4E+09	2.04E+09	1.62E+10	2.05E+10	0.61	6.84	60.5
5.61E+09	1.19E+08	1.72E+09	6.68E+09	1.17E+10	2.69E+10	13700000	0.79	55.3	8.55
6.63E+09	1.78E+09	2.83E+09	7.75E+09	1.66E+10	3.8E+10	8.65E+10	-35.4	0.53	47.9
6.2E+09	2.55E+09	2.11E+09	7.29E+09	1.92E+10	3.99E+10	6.61E+10	16	5.74	39.9
6.46E+09	2.39E+09	4.16E+09	7.59E+09	1.53E+10	3.59E+10	6.97E+10	14	8.2	32.3
6.63E+09	2.61E+09	2.69E+09	7.79E+09	1.51E+10	5.52E+10	7.37E+10	-2.43	7.79	42.1
3.03E+09	1.12E+09	3.68E+08	5.31E+09	1.82E+10	3.48E+10	1.01E+08	0.76	-0.16	7.87
3.06E+09	1.85E+09	3.42E+08	5.38E+09	1.78E+10	4.52E+10	5.08E+10	-4.47	4.99	16.6
3.29E+09	1.06E+09	2.52E+08	4.93E+09	1.71E+10	4.76E+10	4.62E+10	12.8	9.18	17.2
3.58E+09	1.23E+09	4.49E+08	5.14E+09	1.94E+10	3.3E+10	4.87E+10	-2.36	5.59	19.3
3.93E+09	1.5E+09	4.08E+08	5.52E+09	2.13E+10	4.65E+10	4.7E+10	1.16	6.4	18.4
1.4E+09	6.38E+08	1.73E+08	4.6E+09	1.16E+10	9.74E+09	24100000	0.84	-23.1	11.3
1.78E+09	1.09E+09	2.93E+08	5.32E+09	1.31E+10	1.61E+10	1.58E+10	-1.29	11.9	12
1.71E+09	1.15E+09	2.22E+08	5.22E+09	1.28E+10	1.5E+10	1.48E+10	70.3	19	13.6
1.74E+09	9.36E+08	3.58E+08	5.58E+09	1.39E+10	1.16E+10	2.09E+10	-11	20.2	13.3
1.75E+09	6.9E+08	3.11E+08	5.63E+09	1.44E+10	9.7E+09	1.77E+10	-10.5	16.2	12.6
3.48E+09	1.56E+09	3.82E+08	4.95E+09	1.4E+10	1.95E+10	98800000	0.87	0.89	9.36
3.66E+09	2.38E+09	4.22E+08	4.99E+09	1.31E+10	2.75E+10	2.35E+10	20.3	18.3	24.9
2.22E+09	1.28E+09	4.29E+08	3.71E+09	1.19E+10	2.01E+10	2.59E+10	54.4	22.3	27.9
1.62E+09	4.18E+08	4.54E+08	3.36E+09	1.22E+10	1.68E+10	3.44E+10	-25.1	9.83	18.7
1.7E+09	7.46E+08	4.9E+08	3.62E+09	1.3E+10	1.93E+10	2.68E+10	-3.48	4.23	13.3
3.71E+09	2.96E+09	2.57E+08	5.56E+09	1.19E+10	4.93E+10	6070000	1.84	-7.78	50.4
5.54E+09	4.59E+09	4.69E+08	7.65E+09	1.65E+10	7.93E+10	4.14E+10	61.5	60	31.1
6.38E+09	5.13E+09	5.75E+08	8.63E+09	1.9E+10	5.53E+10	6.72E+10	52.3	76.6	33.5
4.39E+09	3.46E+09	3.9E+08	6.58E+09	1.43E+10	7.69E+10	1.02E+11	-41.6	69.4	33.5
5.19E+09	4.29E+09	5.03E+08	7.74E+09	1.62E+10	9.84E+10	5.79E+10	86.4	41.8	30.6
6.51E+08	2.96E+08	1.22E+08	7.99E+08	3.55E+09	9.29E+09	12900000	0.51	-38.2	22.2
5.55E+08	1.94E+08	2.52E+08	7.52E+08	3.89E+09	8.25E+09	1.5E+10	-8.47	97	18.3
8.7E+08	4.74E+08	3.76E+08	1.13E+09	4.51E+09	1.23E+10	1.36E+10	-19.5	50.1	14.2
1.38E+09	1.12E+09	9.29E+08	1.8E+09	6.35E+09	1.3E+10	1.12E+10	41	101	19.3
1.21E+09	3.67E+08	8.97E+08	1.5E+09	6.33E+09	1.1E+10	1.51E+10	21	100.3	21.7
-3.23E+08	-1.69E+09	1.23E+09	1.63E+09	2.94E+09	3.67E+10	5160000	1	4.37	48.2
3.79E+08	-9.61E+08	8.28E+08	2.83E+09	4.23E+09	2.96E+10	6.26E+10	-13.7	-37.8	-11
2.53E+08	1.83E+09	6.51E+08	2.59E+09	4.11E+09	2.83E+10	5.77E+10	-36.8	-50.8	8.95



3.55E+09	1.22E+09	1.02E+09	8.23E+09	1.04E+10	3.66E+10	4.2E+10	27.7	-52.2	6.16
3.76E+09	1.45E+09	1.57E+09	8.97E+09	1.13E+10	3.84E+10	4.61E+10	2.37	36.9	34.2
1.32E+09	6.28E+08	1.83E+08	1.74E+09	1.23E+10	1.18E+10	34900000	0.72	33.1	28.7
1.49E+09	7.53E+08	1.04E+08	2.01E+09	1.37E+10	1.42E+10	1.68E+10	7.39	17.3	10.7
1.47E+09	6.85E+08	1.29E+08	2.08E+09	1.44E+10	1.39E+10	1.96E+10	-15.4	18.5	10.8
1.63E+09	1.99E+08	2.07E+08	2.24E+09	1.54E+10	1.26E+10	1.77E+10	18.3	15.9	10.2
2.11E+09	1.25E+09	1.49E+08	2.8E+09	1.67E+10	2.48E+10	1.92E+10	2.9	4.83	10.6
3.18E+09	2.47E+09	72800000	3.47E+09	2.25E+10	2.15E+10	99200000	1.39	-8.5	14.5
5.43E+09	4.43E+09	65200000	5.54E+09	2.71E+10	3.03E+10	2.69E+10	36.6	14.5	14.2
6.88E+09	4.61E+09	57200000	7.2E+09	3.37E+10	2.33E+10	2.66E+10	52.4	22.8	20
5.6E+09	3.94E+09	99800000	8.17E+09	3.42E+10	2.94E+10	3.73E+10	-22.1	20.6	20.4
5.21E+09	3.93E+09	1.72E+08	7.98E+09	3.54E+10	4.62E+10	2.77E+10	64.7	15.6	16.3
5.54E+08	3.56E+08	78500000	1.04E+09	3.63E+09	1.04E+10	24100000	1.11	36.2	142.1
6.53E+08	4.64E+08	1.07E+08	1.19E+09	4.19E+09	1.1E+10	1.1E+10	12.3	0	15.2
7.29E+08	4.97E+08	1.01E+08	1.28E+09	4.72E+09	8.41E+09	1.16E+10	18.4	0	15.6
9.15E+08	5.9E+08	2.5E+08	1.55E+09	4.98E+09	1.3E+10	1.33E+10	-26.2	0	15.5
1.13E+09	8.07E+08	1.64E+08	1.77E+09	5.34E+09	2.14E+10	1.02E+10	87.1	1435.8	18.4
8.73E+09	2.5E+09	3.4E+09	1.19E+10	2.72E+10	1.15E+11	83300000	0.94	1.94	16.7
1.01E+10	3.83E+09	3.09E+09	1.33E+10	3.08E+10	1.63E+11	1.28E+11	23.8	5.18	32.1
1.09E+10	4.15E+09	3.17E+09	1.39E+10	3.34E+10	1.49E+11	1.53E+11	31.5	8.33	32.9
1.21E+10	6.2E+09	3.79E+09	1.54E+10	3.29E+10	1.84E+11	1.9E+11	-5.85	9.86	32.5
1.27E+10	6.57E+09	4.5E+09	1.59E+10	3.3E+10	2.26E+11	1.74E+11	25.9	15.4	36.8
-1.19E+09	-1.72E+09	2.14E+08	4.59E+08	1.86E+09	1.04E+10	640000	1.4	38.4	67.4
-520000	-6.51E+08	1.53E+08	1.91E+09	6.27E+09	2.22E+10	1.79E+10	2.81	-178.1	-64
1.2E+09	2.66E+08	3.47E+08	4.33E+09	1.67E+10	1.8E+10	2.02E+10	62.9	-242.5	-0.01
1.63E+09	5.57E+08	4.39E+08	5.48E+09	2.27E+10	1.79E+10	2.97E+10	-41.7	66.5	7.17
1.8E+09	8.96E+08	6.47E+08	5.83E+09	2.32E+10	2.7E+10	1.95E+10	34.2	64.7	7.16
1E+10	6.83E+09	1.77E+09	8.68E+09	6.54E+10	9.8E+10	29500000	0.27	7.21	81
9.01E+09	6.32E+09	1.52E+09	9.1E+09	6.7E+10	9.16E+10	1.22E+11	-8.83	149.6	15.3
8.62E+09	5.73E+09	1.67E+09	8.39E+09	6.6E+10	1.27E+11	1.08E+11	0.12	74.3	13.4
1.02E+10	6.92E+09	1.69E+09	8.57E+09	6.76E+10	1.11E+11	1.07E+11	36.9	56.7	13.1
8.39E+09	5.34E+09	1.69E+09	7.02E+09	7.1E+10	1.29E+11	1.37E+11	-6.83	86	15.1
6.62E+08	-9.31E+08	7.1E+08	3.84E+09	1.26E+10	9.56E+09	0	0.73	21.7	8.67
3.07E+09	1.56E+09	4.82E+08	5.52E+09	1.47E+10	1.44E+10	3.02E+10	-14.2	-6.28	5.26
1.89E+09	8.22E+08	6.6E+08	4.43E+09	1.4E+10	1.38E+10	2.32E+10	28.3	8.79	21
2.8E+09	1.43E+09	6.86E+08	5.65E+09	1.59E+10	1.4E+10	2.43E+10	0.99	5.18	13.5
2.84E+09	1.41E+09	6.32E+08	6.43E+09	1.75E+10	1.76E+10	2.31E+10	19.3	9.74	17.6
1.12E+10	5.84E+09	1.79E+09	2.96E+10	8.96E+10	1.19E+11	-26300000	0.88	10.9	0
1.4E+10	8.44E+09	1.85E+09	3.21E+10	9.63E+10	1.62E+11	1.13E+11	34	342.3	12.5
1.42E+10	6.44E+09	1.83E+09	3.23E+10	9.71E+10	1.23E+11	1.34E+11	61	0	14.5
1.36E+10	7.73E+09	1.96E+09	2.88E+10	8.64E+10	1.08E+11	1.98E+11	-22.9	0	14.6
1.26E+10	6.96E+09	1.93E+09	2.79E+10	8.37E+10	1.48E+11	1.55E+11	11.7	0	15.7
3.45E+09	1.42E+09	1.95E+09	3.39E+09	2.78E+10	2.29E+10	41400000	0.89	-21.9	10.6

8.62E+09	5.61E+09	1.96E+09	8.78E+09	4.62E+10	3.09E+10	4.5E+10	-2.98	17.5	12.4
6.22E+09	3.88E+09	1.89E+09	6.6E+09	5.05E+10	2.54E+10	4.41E+10	0.62	55.9	18.7
4.93E+09	2.11E+09	1.53E+09	5.26E+09	4.11E+10	2.94E+10	4.39E+10	-9.98	31.4	12.3
4.13E+09	1.36E+09	1.84E+09	4.56E+09	4.03E+10	2.83E+10	3.87E+10	14.5	16.4	12
0	1.35E+09	1.72E+08	5.15E+09	5.15E+09	1.33E+10	1.62E+08	0.61	37.2	9.25
0	1.86E+09	1.49E+08	6.07E+09	6.07E+09	1.89E+10	0	-25	8.48	0
0	1.99E+09	2.14E+08	7.66E+09	7.66E+09	2.91E+10	0	20.6	10.9	0
0	2.74E+09	2.56E+08	9E+09	9E+09	1.86E+10	0	-5.55	9.22	0
0	2.59E+09	2.16E+08	8.67E+09	8.67E+09	3.3E+10	0	-5.5	10.5	0
-7.8E+08	-1E+09	2.71E+08	1.71E+09	4.92E+09	1.01E+10	11200000	1.67	-22.4	26.3
1.71E+09	1.25E+09	4.91E+08	4.65E+09	9.45E+09	2.27E+10	3.6E+10	-5.29	-11	-15.9
1.77E+09	1.47E+09	7.65E+08	6.47E+09	1.31E+10	1.41E+10	3.61E+10	42.4	10.8	18.1
2.4E+09	1.14E+09	9.32E+08	7.61E+09	1.62E+10	1.22E+10	4.51E+10	-25.3	2.51	13.5
2.49E+09	7.47E+08	1.15E+09	7.85E+09	1.72E+10	1.23E+10	4.26E+10	33.3	27	14.8
9.47E+08	6.02E+08	21800000	1.4E+09	1.7E+09	2.9E+10	-9280000	1.33	6.07	0
1.17E+09	7.26E+08	20000000	1.68E+09	2.04E+09	5.48E+10	2.38E+10	73	0	55.9
1.3E+09	8.71E+08	13600000	1.84E+09	2.25E+09	3.79E+10	3.93E+10	37.2	0	57.4
1.48E+09	1.15E+09	22800000	2.08E+09	2.53E+09	3.81E+10	5.36E+10	-24.1	0	57.9
1.65E+09	1.11E+09	33800000	2.34E+09	2.86E+09	4.46E+10	4.1E+10	21.6	0	58.5
7.75E+08	-9.83E+09	2.79E+09	4.16E+09	6.99E+10	1.92E+10	56700000	0.88	-5.97	18.1
7.12E+09	9.74E+09	1.46E+09	1.04E+10	1.2E+11	4.21E+10	7.89E+10	-31.4	-30.5	1.11
2.3E+10	1.45E+10	2.42E+09	2.66E+10	1.78E+11	5.66E+10	6.79E+10	54.7	8	5.91
1.7E+10	9.68E+09	1.89E+09	2.08E+10	1.49E+11	5.87E+10	6.26E+10	81.9	46.5	12.9
9.1E+09	3.45E+09	2.53E+09	1.31E+10	1.39E+11	4.84E+10	7.88E+10	27.5	33.6	11.4
8.29E+08	-2.67E+08	1.35E+08	1.44E+09	2.12E+09	3.01E+10	-8440000	1.35	23.7	0
2.06E+09	1.1E+09	1.83E+08	2.68E+09	3.42E+09	5.21E+10	6.1E+10	-12.9	-47.1	39.1
3.79E+09	2.36E+09	3.32E+08	4.28E+09	5.36E+09	5.18E+10	5.32E+10	25.3	119.2	60.4
4.27E+09	3.08E+09	5.53E+08	5.14E+09	6.3E+09	5.61E+10	6.37E+10	-9.89	237.9	70.7
4.26E+09	2.38E+09	7.76E+08	5.42E+09	6.62E+09	7.44E+10	5.65E+10	51.5	0	67.8
4.06E+09	2.02E+09	3.48E+08	7.35E+09	1.72E+10	5.25E+10	27200000	0.81	12.1	31.8
5.5E+09	3.14E+09	4.06E+08	8.71E+09	1.98E+10	8.42E+10	7.01E+10	5.02	23.8	23.6
5.66E+09	3.05E+09	4.7E+08	9E+09	2.07E+10	8.12E+10	7.21E+10	48.6	31	27.7
6.58E+09	3.76E+09	4.16E+08	1E+10	2.27E+10	9.28E+10	9.95E+10	-4.8	28.1	27.3
7.23E+09	4.06E+09	3.16E+08	1.09E+10	2.45E+10	1.09E+11	9.48E+10	14.5	32.9	28.9
1.33E+09	7.21E+08	3.6E+08	1.26E+09	4.43E+09	1.66E+10	1.5E+08	1.01	3.53	22.8
1.48E+09	7.03E+08	4.23E+08	1.35E+09	5.41E+09	2.45E+10	2.09E+10	1.55	12.8	30.1
1.59E+09	8.67E+08	4.82E+08	1.42E+09	6.16E+09	2.11E+10	2.07E+10	55.1	11.3	27.4
2.11E+09	1.17E+09	6.5E+08	2.02E+09	6.78E+09	2.5E+10	3.06E+10	-23.3	12.5	25.9
2.06E+09	2E+09	8.55E+08	1.9E+09	6.54E+09	3.7E+10	2.63E+10	47.6	15.8	31.2
1.39E+09	1.22E+09	1.14E+08	2.59E+09	7.19E+09	1.4E+10	-160000	1.18	8.35	2731.3
1.19E+09	4.1E+08	1.28E+08	2.88E+09	8.38E+09	1.6E+10	1.62E+10	14.5	472.3	19.4
1.47E+09	8.44E+08	2.24E+08	2.71E+09	8.68E+09	1.06E+10	1.62E+10	27.8	191.6	14.1
1.53E+09	9.08E+08	2.43E+08	2.85E+09	7.97E+09	1.16E+10	1.97E+10	-33.5	0	16.9

1.52E+09	8.22E+08	1.68E+08	2.84E+09	7.83E+09	1.73E+10	1.39E+10	43.5	0	19.1
8.74E+09	6.41E+09	3.39E+08	1.53E+10	1.53E+10	2.88E+11	8440000	0.97	23.5	190.6
1.1E+10	8.69E+09	4.07E+08	1.89E+10	1.89E+10	3.3E+11	3.04E+11	19.5	102.5	57.1
1.34E+10	9.93E+09	4.42E+08	2.22E+10	2.22E+10	3.17E+11	3.58E+11	0.67	124.7	58.2
1.53E+10	1.12E+10	3.71E+08	2.51E+10	2.51E+10	3.49E+11	3.6E+11	-3.23	144	60.4
1.73E+10	1.29E+10	4.74E+08	2.82E+10	2.82E+10	4.75E+11	3.41E+11	22.7	167.4	61.1
7.95E+08	1.62E+08	42400000	1.76E+09	2.39E+09	3.04E+10	-260000	1.38	-10.4	0
9.22E+08	2.78E+08	80000000	2.14E+09	2.98E+09	4.26E+10	0	0	46.5	33.2
9.25E+08	3.62E+08	49100000	2.23E+09	3.19E+09	1.24E+10	4.34E+10	-12.5	0	30.9
1.03E+09	6.52E+08	67400000	2.41E+09	3.36E+09	9.47E+09	4.11E+10	-68.6	0	29
9.85E+08	5.51E+08	50600000	2.49E+09	3.48E+09	9.51E+09	1.52E+10	-12	0	30.5
1.18E+09	7.47E+08	2.25E+08	2.3E+09	5.6E+09	2.41E+10	20500000	0.63	11.4	15.2
1.28E+09	7.55E+08	2.78E+08	2.51E+09	6.32E+09	2.15E+10	2.71E+10	12.6	20.2	21.1
1.1E+09	6.82E+08	2.62E+08	2.27E+09	6.35E+09	2.13E+10	2.96E+10	1.06	18.1	20.3
1.21E+09	6.81E+08	2.64E+08	2.5E+09	6.66E+09	1.71E+10	3.1E+10	-14.2	14.9	17.4
1.27E+09	7.89E+08	2.75E+08	2.59E+09	6.72E+09	2.09E+10	2.73E+10	-17.5	13.9	18.2
9.23E+09	4.73E+09	1.64E+09	9.75E+09	1.92E+10	1.58E+11	-7650000	0.5	-2.23	0
1.2E+10	7.55E+09	2.04E+09	1.26E+10	2.32E+10	1.83E+11	1.93E+11	8.59	0	48
1.22E+10	6.18E+09	1.9E+09	1.32E+10	2.32E+10	2.02E+11	2.07E+11	24.9	0	51.8
1.37E+10	8.47E+09	2.36E+09	1.46E+10	2.55E+10	1.9E+11	2.45E+11	-1.69	0	52.8
1.39E+10	8.22E+09	2.78E+09	1.47E+10	2.59E+10	2.09E+11	2.38E+11	12.5	0	53.8
4.37E+09	-4.18E+09	4.13E+08	1.22E+10	2.38E+11	2.39E+10	-2E+07	0.51	23.1	0
4.71E+09	1.41E+09	4.11E+08	1.29E+10	2.57E+11	3.22E+10	3.55E+10	25.7	-90.5	1.84
4.8E+09	3.14E+09	4E+08	1.26E+10	2.74E+11	5.67E+10	3.6E+10	42.9	1401.8	1.83
4.69E+09	3E+09	3.68E+08	1.2E+10	3.02E+11	6.06E+10	4.43E+10	50.9	0	1.75
5.46E+09	2.83E+09	5.56E+08	1.31E+10	3.45E+11	6.48E+10	5.81E+10	23.4	0	1.55
6.59E+09	2.89E+09	1.31E+09	1.8E+10	2.79E+10	1.35E+11	39100000	0.79	-3.03	8.44
9.61E+09	4.91E+09	1.36E+09	2.18E+10	3.18E+10	1.61E+11	1.68E+11	3.25	5.64	23.6
8.53E+09	4.06E+09	1.47E+09	2.05E+10	3.08E+10	1.15E+11	1.74E+11	-11.7	9.53	30.2
9.02E+09	4.2E+09	1.54E+09	2.12E+10	3.23E+10	9.31E+10	1.54E+11	-24.9	7.84	27.7
9.42E+09	4.26E+09	1.83E+09	2.18E+10	3.32E+10	1.16E+11	1.19E+11	6	8.17	27.9
1.36E+10	7.07E+09	4.43E+09	2.95E+10	4.15E+10	1.9E+11	18600000	0.37	-8.75	40.8
1.7E+10	1.3E+10	4.45E+09	3.52E+10	4.87E+10	2.23E+11	2.51E+11	-10.1	17.6	32.8
2.43E+10	1.45E+10	4.39E+09	4.21E+10	5.93E+10	2.55E+11	2.28E+11	-6.31	38.8	34.9
1.97E+10	3.65E+08	3.86E+09	4.42E+10	6.01E+10	2.61E+11	2.1E+11	44.8	34.5	41
2.91E+10	1.71E+10	3.37E+09	4.95E+10	6.42E+10	2.66E+11	3.01E+11	-1.74	0.9	32.8
8.25E+09	5.41E+09	0	2.01E+10	6.78E+10	3.44E+10	38700000	0.85	23.8	15.3
8.89E+09	6.86E+09	0	1.93E+10	6.87E+10	5.38E+10	1.27E+11	-7.89	7.67	12.2
4.29E+09	5.28E+09	0	1.45E+10	6.88E+10	5.83E+10	1.3E+11	33.1	9.65	12.9
2.93E+09	1.58E+09	0	1.39E+10	6.69E+10	4.47E+10	1.43E+11	15.8	10.8	6.25
6.26E+09	4.43E+09	0	1.75E+10	7.1E+10	5.83E+10	1.39E+11	-8.62	5.31	4.37
3.95E+10	2.91E+10	1.52E+10	6.93E+10	8.6E+10	7.49E+11	71900000	1.2	65.4	37.1
5.47E+10	3.94E+10	1.87E+10	9.53E+10	1.18E+11	9E+11	5.43E+11	33.1	25.4	46

4.22E+10	2.32E+10	3.12E+10	9.29E+10	1.17E+11	2.63E+11	7.34E+11	23.1	31.1	46.4
6.02E+10	3.91E+10	2.7E+10	1.09E+11	1.35E+11	7.78E+11	8.91E+11	-64.2	18.5	36.2
8.37E+10	6.24E+10	3.73E+10	1.34E+11	1.65E+11	1.5E+12	3E+11	194.1	28	44.6
8.54E+08	6.03E+08	92500000	1.8E+09	3.09E+09	2.39E+10	-5090000	1.38	0.88	0
1.07E+09	7.69E+08	1.08E+08	2.17E+09	3.72E+09	3.42E+10	2.05E+10	43.7	171.4	27.7
1.22E+09	8.73E+08	1.21E+08	2.31E+09	3.92E+09	2.85E+10	2.82E+10	48.9	338.7	28.9
1.16E+09	7.89E+08	1.05E+08	2.24E+09	3.79E+09	2.1E+10	4.05E+10	-14.8	889.3	31
1.21E+09	8.63E+08	1.04E+08	2.33E+09	3.87E+09	2.76E+10	3.41E+10	-16.1	0	30.7
2.05E+09	3.33E+08	49100000	3.27E+09	5.3E+09	2.65E+10	13000000	1.54	-36.4	4.71
2.76E+09	9.64E+08	3.11E+08	4.16E+09	6.44E+09	4.06E+10	3.46E+10	31.9	6.11	38.8
3.87E+09	2.07E+09	4.88E+08	5.4E+09	8.05E+09	3.48E+10	4.48E+10	26.1	17.4	42.8
4.08E+09	2.36E+09	3.58E+08	5.73E+09	8.54E+09	3.85E+10	5.63E+10	-19.3	34.2	48.1
1.42E+09	3.09E+08	1.52E+08	2.76E+09	4.76E+09	4.05E+10	4.57E+10	28.4	35.2	47.7
9.26E+09	3E+09	9.02E+09	6.92E+09	2.21E+10	5.6E+10	40300000	1.57	-1.38	8.66
1.5E+10	7.36E+09	1.06E+10	1.23E+10	2.96E+10	7.73E+10	5.79E+10	39.8	7.86	42
1.41E+10	6.19E+09	1.13E+10	1.12E+10	2.72E+10	5.88E+10	8.2E+10	23.9	17.2	50.6
3.13E+09	-6.87E+09	7.02E+09	-5.13E+08	1.62E+10	7.25E+10	1E+11	-46.3	13	51.9
1.24E+10	3.88E+09	9.8E+09	9E+09	2.91E+10	1.15E+11	5.35E+10	70.7	-14.9	19.3
7.19E+10	5.13E+10	1.76E+10	1.05E+11	1.53E+11	1.53E+12	36800000	1.02	12.1	34.3
9.08E+10	7.12E+10	2.32E+10	1.27E+11	1.85E+11	2.49E+12	1.15E+12	41	42.7	46.9
9.73E+10	6.74E+10	2.48E+10	1.39E+11	2.04E+11	1.76E+12	1.63E+12	51.2	49.1	49.1
1.17E+11	8.25E+10	3.52E+10	1.59E+11	2.28E+11	2.51E+12	2.47E+12	-28.7	39.3	47.7
1.42E+11	9.28E+10	5.56E+10	1.82E+11	2.62E+11	3.22E+12	1.76E+12	56.8	39.2	51.6
9.39E+08	2.55E+08	0	9.85E+08	1.68E+09	1.33E+10	49600000	0.78	15	8.73
9.99E+08	5.34E+08	0	1.05E+09	1.78E+09	2.35E+10	1.98E+10	-3.92	4.27	56
1.17E+09	6.37E+08	0	1.23E+09	2.02E+09	1.81E+10	1.91E+10	81.1	9	56.2
1.25E+09	5.53E+08	0	1.31E+09	2.15E+09	1.37E+10	3.12E+10	-31.6	10.6	58.1
1.24E+09	5.28E+08	0	1.3E+09	2.19E+09	1.78E+10	2.28E+10	-14.4	9.11	58.4
-7.32E+08	-7.47E+08	68000000	-5.75E+08	8.03E+08	2.67E+10	27000000	2.01	-58.2	-28.8
1.35E+10	1.22E+10	2.84E+08	1.39E+10	1.85E+10	1.39E+11	5.49E+09	434.1	-40	-91.2
9.77E+09	8.36E+09	4E+08	1.06E+10	1.93E+10	5.91E+10	3.83E+10	143.1	146.1	73.2
-3.62E+09	-4.71E+09	7.07E+08	-2.69E+09	6.85E+09	2.82E+10	9.47E+10	-29.3	50.3	50.7
-3.76E+09	-3.56E+09	1.05E+09	-2.77E+09	3.24E+09	2.1E+10	5.33E+10	-44.6	-28.6	-52.8
1.37E+09	5.16E+08	4.26E+08	2.53E+09	9.55E+09	7.35E+09	1.27E+08	1.29	15.1	6.82
1.95E+09	1.03E+09	6.76E+08	3.29E+09	1.12E+10	1.2E+10	1.28E+10	3.35	6.19	14.4
1.62E+09	25200000	5.81E+08	3.01E+09	1.17E+10	6.15E+09	1.18E+10	29.3	12.2	17.4
1.44E+09	-4.4E+08	6.13E+08	2.82E+09	1.11E+10	5.06E+09	1.39E+10	-43.9	0.31	13.8
1.45E+09	5.18E+08	4.54E+08	2.77E+09	1.08E+10	8.54E+09	9.04E+09	1.25	-5.62	13
1E+09	6.73E+08	74000000	2.56E+09	1.84E+10	1.11E+10	88400000	0.55	-19.4	27.1
1.11E+09	6.59E+08	77000000	3.28E+09	2.7E+10	1.73E+10	7.4E+09	56.7	33.2	5.44
1.5E+09	7.92E+08	91000000	3.93E+09	3.11E+10	2.07E+10	1.15E+10	49.6	27.9	4.11
1.73E+09	1.09E+09	84000000	4.33E+09	3.3E+10	1.91E+10	1.66E+10	3.82	28.3	4.83
1.83E+09	1.18E+09	1E+08	4.74E+09	3.92E+10	1.85E+10	1.74E+10	9.41	30.4	5.23

2.2E+09	-9.49E+08	5.75E+08	3.8E+09	9.65E+09	7.66E+09	64800000	0.63	-6.36	8.61
2.32E+09	1.01E+09	5.23E+08	4.05E+09	1.03E+10	9.6E+09	2.11E+10	-16.2	-7.19	22.8
1.81E+09	-1.75E+08	6.61E+08	3.66E+09	1.07E+10	1.11E+10	1.82E+10	2.57	7.67	22.5
2.28E+09	9.49E+08	6.72E+08	4.37E+09	1.17E+10	1.24E+10	1.72E+10	11.2	-1.4	17
2.48E+09	1.12E+09	6.74E+08	4.53E+09	1.16E+10	1.15E+10	1.76E+10	18.8	7.26	19.5
5.42E+09	3.56E+09	8.63E+08	1.04E+10	2.66E+10	7.59E+10	20600000	0.46	-17.5	16.7
6.11E+09	4.3E+09	9.65E+08	1.13E+10	2.87E+10	8.49E+10	9.81E+10	6.15	13	20.4
5.84E+09	2.72E+09	9.06E+08	1.13E+10	3.15E+10	8.46E+10	1.02E+11	13.4	15.4	21.3
7.19E+09	4.96E+09	1.11E+09	1.38E+10	3.6E+10	8.98E+10	1.1E+11	0.51	9.87	18.5
7.74E+09	4.61E+09	1.39E+09	1.43E+10	3.64E+10	9.33E+10	1.11E+11	8.67	18	20
1.86E+08	1.64E+08	55600000	4.66E+08	8.45E+08	1.44E+10	50600000	1.28	-6.2	68.8
2.91E+08	2.42E+08	94400000	6.86E+08	1.21E+09	2.42E+10	7.32E+09	105.7	18.9	22
5.64E+08	4.38E+08	58800000	1.05E+09	1.79E+09	1.63E+10	1.6E+10	34.7	21.9	24.1
5.22E+08	4.27E+08	57600000	1.02E+09	1.82E+09	1.94E+10	2.2E+10	-28.3	30.1	31.4
5.76E+08	1.79E+09	1.46E+08	1.22E+09	2.21E+09	4.49E+10	1.59E+10	78.4	23	28.7
1.69E+09	1.41E+09	48700000	2.72E+09	4.6E+09	4.04E+10	6260000	0.54	-8.77	21.3
1.85E+09	1.38E+09	43900000	3.11E+09	5.54E+09	4.5E+10	3.29E+10	45.5	30.2	36.8
1.65E+09	1.19E+09	1.89E+08	3.17E+09	6.31E+09	4.93E+10	4.72E+10	3.85	23.5	33.4
2.06E+09	1.63E+09	2.21E+08	3.79E+09	7.14E+09	5.31E+10	4.79E+10	5.72	17.5	26.1
2.14E+09	1.51E+09	2.64E+08	4.05E+09	7.49E+09	5.15E+10	5.04E+10	13.5	21.4	28.9
2.66E+09	1.78E+09	1.03E+08	3.9E+09	5.37E+09	4.94E+10	21700000	1.41	21.2	57.2
3.09E+09	2.21E+09	1.39E+08	4.58E+09	6.22E+09	7.51E+10	4.96E+10	22.3	136.7	49.5
2.26E+09	1.37E+09	2.83E+08	3.86E+09	5.47E+09	4.93E+10	5.9E+10	34.6	94.6	49.8
2.49E+09	1.61E+09	2.71E+08	4.23E+09	5.92E+09	5.61E+10	7.85E+10	-28.7	49	41.3
3.23E+09	2.06E+09	3.17E+08	5.14E+09	7.09E+09	8.32E+10	5.77E+10	40.2	52.2	42
0	1.1E+10	1.44E+09	4.26E+10	4.8E+10	8.71E+10	58800000	1.32	34.8	13.2
0	1.5E+10	2.31E+09	5.33E+10	5.98E+10	1.88E+11	0	34.1	12	0
0	1.1E+10	3.08E+09	4.64E+10	5.34E+10	1.41E+11	0	43.2	14.4	0
0	9.09E+09	3.41E+09	4.64E+10	5.36E+10	1.17E+11	0	-13.4	10.8	0
0	1.34E+10	3.46E+09	5.33E+10	6.15E+10	1.9E+11	0	9.68	9.17	0
1.93E+09	9.49E+08	2.17E+08	3.64E+09	7.41E+09	2.68E+10	10100000	0.97	47.6	128.7
2.29E+09	1.25E+09	2.43E+08	4.05E+09	8.17E+09	4.21E+10	3.28E+10	5.54	0	26.1
2.47E+09	1.36E+09	2.56E+08	4.39E+09	9.11E+09	4.17E+10	3.37E+10	59.8	0	28
2.82E+09	1.71E+09	2.53E+08	4.98E+09	9.98E+09	4.61E+10	5.04E+10	-5.15	2531.5	27.2
3.17E+09	1.58E+09	2.57E+08	5.52E+09	1.08E+10	7.56E+10	4.87E+10	21.5	394	28.3
5.09E+09	2.83E+09	9.08E+08	1.64E+10	3.83E+10	1.89E+11	8890000	1.3	-30.3	34.7
7.98E+09	6.17E+09	7.13E+08	2.13E+10	4.63E+10	2.65E+11	1.62E+11	39.6	28.3	13.3
7.34E+09	5.63E+09	8.96E+08	2.19E+10	4.91E+10	1.47E+11	2.23E+11	17.8	48.3	17.2
6.81E+09	5.3E+09	9.27E+08	2.27E+10	5.15E+10	1.55E+11	2.61E+11	-29.8	37.3	14.9
6.76E+09	4.89E+09	6.03E+08	2.19E+10	4.9E+10	1.14E+11	1.85E+11	-7.21	36	13.2
1.8E+09	5.1E+08	2.3E+08	2.55E+09	9.09E+09	7.72E+09	13100000	1.14	74.5	41.8
4.7E+09	2.19E+09	2.69E+08	6.51E+09	2.7E+10	9.76E+09	1.64E+10	-5.53	30.4	19.8
3.04E+09	1.22E+09	3.67E+08	4.02E+09	3.15E+10	1.05E+10	1.46E+10	14.7	82.8	17.4

2.82E+08	-2E+08	5.98E+08	2.33E+09	2.88E+10	9.68E+09	1.91E+10	-26.1	32.9	9.65
3.49E+09	1.13E+09	4.72E+08	6.03E+09	2.81E+10	1.83E+10	1.53E+10	62.5	-6	0.98
5.82E+09	4.33E+09	1.13E+09	1.06E+10	1.67E+10	3.1E+11	1780000	2.12	171.2	119.2
1.12E+10	9.75E+09	9.76E+08	1.75E+10	2.69E+10	6.38E+11	1.37E+11	121.9	29.8	34.9
7.12E+09	4.37E+09	1.83E+09	1.54E+10	2.7E+10	3.44E+11	3.21E+11	125.3	44.8	41.7
3.45E+10	2.98E+10	1.07E+09	4.43E+10	6.09E+10	1.02E+12	7.28E+11	-50.3	17.9	26.4
8.33E+10	7.29E+10	3.24E+09	9.79E+10	1.3E+11	3.42E+12	3.58E+11	238.9	91.5	56.6
1.17E+09	9.01E+08	16100000	1.57E+09	7.56E+09	1.47E+10	1.28E+09	0.95	16.8	39.2
1.66E+09	1.24E+09	17900000	2.12E+09	8.97E+09	1.72E+10	1.36E+10	7.13	33.1	15.4
2.31E+09	1.73E+09	18400000	2.82E+09	1.06E+10	1.37E+10	1.41E+10	44.8	40.5	18.5
1.97E+09	1.59E+09	24900000	2.54E+09	9.68E+09	1.73E+10	1.95E+10	-21.9	53	21.8
2.16E+09	1.68E+09	29200000	2.74E+09	1.07E+10	2.78E+10	1.4E+10	51.8	40.4	20.4
2.35E+09	52000000	3.92E+08	4.25E+09	8.61E+09	3.78E+10	37600000	1.45	-9.5	27.5
3.83E+09	1.87E+09	8E+08	6.07E+09	1.11E+10	5.33E+10	4.1E+10	24.9	0.85	27.3
5.02E+09	2.79E+09	1.07E+09	7.51E+09	1.32E+10	3.98E+10	5.07E+10	43.2	23.9	34.6
4.83E+09	2.8E+09	8.27E+08	7.56E+09	1.33E+10	4.39E+10	6.81E+10	-30.6	39	38
4.42E+09	2.51E+09	7.27E+08	7.15E+09	1.26E+10	6.25E+10	4.86E+10	45.3	33.8	36.4
1.55E+09	9.33E+08	1.88E+08	2.9E+09	5.63E+09	1.99E+10	19600000	0.99	33	10.1
1.9E+09	1.19E+09	1.63E+08	3.42E+09	5.89E+09	3.51E+10	2.11E+10	23.9	15.5	27.5
1.95E+09	1.13E+09	1.52E+08	3.58E+09	6.23E+09	3.06E+10	2.52E+10	58.2	18.5	32.3
2.16E+09	1.06E+09	1.58E+08	3.9E+09	6.06E+09	2.4E+10	4.12E+10	-12.4	17.9	31.4
2.62E+09	1.12E+09	2.07E+08	4.65E+09	7.4E+09	4.34E+10	3.57E+10	-5.23	12.4	35.7
1.08E+09	5.92E+08	1.48E+08	3.72E+09	5.59E+09	9.74E+09	5700000	1.45	31.7	114.3
1.36E+09	1.01E+09	1.96E+08	4.17E+09	6.19E+09	2E+10	1.3E+10	6.41	155.8	19.3
1.33E+09	1.29E+09	2.68E+08	4.22E+09	6.46E+09	1.51E+10	1.39E+10	38.9	148.8	22
1.44E+09	9.4E+08	1.48E+08	4.33E+09	6.18E+09	1.49E+10	1.88E+10	-34.7	129.8	20.6
1.62E+09	1.14E+09	1.79E+08	4.6E+09	6.51E+09	2.43E+10	1.26E+10	46.8	89.7	23.4
4.7E+09	2.76E+09	4.98E+08	9.72E+09	2.5E+10	2.1E+11	54800000	1.59	83.1	38.4
6.4E+09	5.12E+09	5.25E+08	1.24E+10	2.97E+10	3.06E+11	1.51E+11	67.1	29.6	18.8
5.97E+09	4.49E+09	4.08E+08	1.24E+10	3.16E+10	1.32E+11	2.49E+11	11.4	38	21.6
7.31E+09	5.41E+09	3.49E+08	1.4E+10	3.37E+10	1.79E+11	2.77E+11	-51.1	24.5	18.9
1.07E+10	8.71E+09	4.4E+08	1.8E+10	3.9E+10	3.22E+11	1.42E+11	65.1	26.1	21.7
5.67E+09	2.83E+09	1.3E+09	6.12E+09	1.15E+10	5.05E+10	26400000	0.36	-10.1	11.2
4.45E+09	1.17E+09	1.65E+09	4.94E+09	1.22E+10	4.31E+10	4.12E+10	37.8	11.4	49.3
3.97E+09	-4.29E+08	2.13E+09	4.53E+09	1.19E+10	3.4E+10	5.04E+10	3.56	0.77	36.4
3.06E+09	-2.49E+09	2.67E+09	3.58E+09	1.18E+10	3.08E+10	5.13E+10	-23.9	-1.93	33.3
8.86E+09	3.35E+09	3.4E+09	9.39E+09	1.87E+10	5.34E+10	3.98E+10	-12.3	-10.2	25.9
1E+09	-8.62E+08	3.74E+08	4.15E+09	8.75E+09	7.73E+09	14300000	1.18	18.3	6.19
1E+09	-8.62E+08	3.74E+08	4.15E+09	8.75E+09	7.73E+09	14300000	1.18	12.2	6.19
1.27E+09	4.96E+08	4.27E+08	5.11E+09	1E+10	1.35E+10	1.09E+10	22.5	-11.8	11.5
1.27E+09	4.96E+08	4.27E+08	5.11E+09	1E+10	1.35E+10	1.09E+10	27.1	-11.8	11.5
1.18E+09	2.99E+08	5.06E+08	5.05E+09	1.02E+10	9.81E+09	1.24E+10	26.6	6.62	12.6
1.18E+09	2.99E+08	5.06E+08	5.05E+09	1.02E+10	9.81E+09	1.24E+10	24.2	6.62	12.6

1.1E+09	2.28E+08	4.36E+08	4.59E+09	9.05E+09	1.19E+10	1.53E+10	-18	4.25	11.6
1.1E+09	2.28E+08	4.36E+08	4.59E+09	9.05E+09	1.19E+10	1.53E+10	-18.4	4.25	11.6
1.35E+09	4.14E+08	4.99E+08	5.29E+09	1.03E+10	1.59E+10	1.39E+10	39.5	3.03	12.2
1.35E+09	4.14E+08	4.99E+08	5.29E+09	1.03E+10	1.59E+10	1.39E+10	34.9	3.03	12.2
9.28E+09	2.92E+09	1.46E+10	1.05E+10	1.8E+10	1.43E+11	26500000	0.65	18	9.51
7.31E+09	3.57E+09	1.61E+10	8.56E+09	1.71E+10	1.67E+11	1.63E+11	27.4	5.46	51.6
8.67E+09	4.15E+09	1.93E+10	1.01E+10	2.1E+10	1.55E+11	2.02E+11	21	6.24	42.8
1.62E+10	7.31E+09	2.51E+10	1.8E+10	2.81E+10	1.16E+11	2.46E+11	-10.5	6.83	41.3
1.31E+10	6.95E+09	2.47E+10	1.49E+10	2.48E+10	1.63E+11	2.37E+11	-27.3	11.6	57.7
1.64E+09-17600000	1.76E+09	1.99E+09	4.68E+09	8.8E+09	19700000		0.6	38.5	8.12
1.74E+09	5.85E+08	1.84E+09	2.05E+09	4.9E+09	9.68E+09	2.09E+10	-17.6	-0.24	35
1.95E+09	8.04E+08	2.2E+09	2.25E+09	5.85E+09	1.05E+10	2.04E+10	20.4	8.98	35.5
2.09E+09	7.14E+08	2.65E+09	2.49E+09	5.51E+09	1.04E+10	2.24E+10	-0.69	10.4	33.3
2.39E+09	7.6E+08	2.64E+09	2.82E+09	5.46E+09	1.64E+10	2.38E+10	-3.17	7.48	38
5.73E+08	2.75E+08	44600000	1.16E+09	2.15E+09	1.12E+10	46500000	0.97	-20.8	16.2
7.61E+08	4.97E+08	42900000	1.37E+09	2.44E+09	1.48E+10	1.05E+10	23.4	15.8	26.6
7.57E+08	4.97E+08	48200000	1.42E+09	2.59E+09	1.29E+10	1.27E+10	27	24.4	31.1
8.15E+08	4.93E+08	32800000	1.45E+09	2.65E+09	1.21E+10	1.55E+10	-6.88	21.3	29.2
8.02E+08	4.52E+08	78300000	1.47E+09	2.67E+09	1.43E+10	1.43E+10	11.1	19.1	30.8
4.63E+09	2.01E+09	1.49E+09	4.63E+09	9.79E+09	5.31E+10	63200000	1.32	-0.71	19.4
5.73E+09	3.01E+09	1.47E+09	5.73E+09	1.11E+10	7.13E+10	6.28E+10	22.4	13.4	47.3
6.03E+09	3.27E+09	1.95E+09	6.03E+09	1.27E+10	5.58E+10	7.2E+10	25.3	21.1	51.4
5.27E+09	1.83E+09	2.35E+09	5.27E+09	1.22E+10	4.24E+10	8.53E+10	-17.2	24.8	47.3
5.93E+09	2.62E+09	4.02E+09	5.93E+09	1.21E+10	5.72E+10	7.44E+10	-4.07	14.3	43.3
0	1.21E+09	1.36E+08	5.98E+09	5.98E+09	1.63E+10	59500000	1.32	21.5	16.5
0	1.55E+09	95500000	6.55E+09	6.55E+09	2.56E+10	0	-12.3	10.6	0
0	1.34E+09	1.29E+08	6.75E+09	6.75E+09	1.76E+10	0	28.4	13	0
0	1.11E+09	1.17E+08	6.75E+09	6.75E+09	1.35E+10	0	-26	11.5	0
0	2.03E+09	1.02E+08	8.29E+09	8.29E+09	2.01E+10	0	-4.64	9.56	0
5.5E+09	3.19E+09	1.42E+09	7.48E+09	3.68E+10	4.83E+10	1.02E+08	0.1	0.25	27.7
8.73E+09	7.01E+09	1.42E+09	7.27E+09	3.57E+10	5.66E+10	7.23E+10	-11.4	32.9	14.9
7.68E+09	4.9E+09	1.44E+09	7.47E+09	3.66E+10	8.44E+10	6.28E+10	27	59.6	24.5
3.98E+09	2.06E+09	1.78E+09	6.55E+09	3.93E+10	7.07E+10	7.11E+10	41	34.7	21
6.84E+09	4.17E+09	1.77E+09	8.36E+09	4.1E+10	7.36E+10	9.66E+10	-14.2	13.7	10.1
-1.14E+09	-4E+09	9.47E+08	-4.13E+08	1.28E+09	4.58E+09	2230000	2.22	28.4	105.5
-1.79E+09	-4.51E+09	7.53E+08	-9.6E+08	6.48E+08	9.52E+09	1.85E+10	-56.5	-73.8	-88.8
-7.42E+08	-2.27E+09	1.78E+09	5.77E+08	4.84E+09	6.96E+09	1.68E+10	-18.4	-132.8	-276.9
1.81E+09	1.66E+08	2.75E+09	3.08E+09	8.55E+09	5.75E+09	1.98E+10	-41	-181.5	-15.3
2.44E+09	9.1E+08	1.21E+09	3.79E+09	9.48E+09	1.05E+10	1.86E+10	63.7	90	21.2
2.4E+09	7.22E+08	1.54E+09	2.25E+09	2.01E+10	1.44E+10	85300000	1.76	-32.9	10.7
1.02E+10	6.83E+09	1.62E+09	1.1E+10	3.65E+10	3.28E+10	2E+10	-5.49	7.59	11.9
1.16E+10	7.61E+09	1.95E+09	1.25E+10	4.15E+10	3.51E+10	1.88E+10	114.6	55.1	27.9
7.4E+09	4.53E+09	2.21E+09	7.84E+09	3.47E+10	3.7E+10	3.54E+10	15.5	47.3	27.9

4.34E+09	2.03E+09	3.17E+09	4.12E+09	3.07E+10	3.39E+10	3.83E+10	32	23.6	21.3
2.74E+09	1.75E+09	4.66E+08	6.09E+09	1.16E+10	3.17E+10	-1590000	0.6	24.8	0
3.26E+09	2.16E+09	4.43E+08	7.02E+09	1.33E+10	4.19E+10	3.87E+10	3.27	651.9	23.6
3.32E+09	2.17E+09	5.63E+08	7.38E+09	1.44E+10	5.24E+10	3.77E+10	56	5863.6	24.4
3.6E+09	2.35E+09	1.01E+09	8.1E+09	1.58E+10	5.55E+10	5.3E+10	19.5	0	23
3.71E+09	2.39E+09	1.02E+09	8.55E+09	1.67E+10	6.72E+10	5.92E+10	12.6	0	22.8
1.04E+09	2.34E+08	4.84E+08	1.72E+09	5.26E+09	1.03E+10	20700000	1.49	-24.5	19
1.98E+09	1.01E+09	4.92E+08	2.71E+09	6.74E+09	2.07E+10	1.28E+10	34.2	6.87	19.9
3.36E+09	1.9E+09	1.04E+09	4.1E+09	8.33E+09	2.92E+10	1.62E+10	107.5	24.8	29.4
3.22E+09	2.18E+09	1.54E+09	3.88E+09	8.25E+09	2.81E+10	3.11E+10	-8.17	35.2	40.4
2.55E+09	1.57E+09	6.94E+08	3.22E+09	7.08E+09	3.14E+10	2.8E+10	33.9	31.2	39.1
2.55E+09	6.13E+08	2.2E+09	3.43E+09	8.54E+09	1.29E+10	29400000	1	43	16.1
3.22E+09	1.5E+09	6.97E+08	4.28E+09	1.65E+10	2.84E+10	4.34E+10	-49.3	9.99	29.8
3.43E+09	1.72E+09	1.2E+09	4.48E+09	2.24E+10	2.67E+10	3.12E+10	53.1	24.9	19.5
4.22E+09	2.66E+09	1.6E+09	5.75E+09	1.77E+10	3.82E+10	4.04E+10	11.8	27.5	15.3
6.2E+09	3.04E+09	2.02E+09	8.39E+09	2.17E+10	5.62E+10	4.31E+10	6.88	23.1	23.9
6.86E+09	-1.48E+10	2.54E+09	9.34E+09	1.78E+10	8.49E+09	29800000	0.95	-17.3	8.93
1.31E+10	2.32E+09	2.87E+09	1.63E+10	2.6E+10	3.13E+10	9.73E+10	-58	-51.3	38.5
2.06E+10	1.33E+10	5.14E+09	2.46E+10	3.66E+10	6.67E+10	6.56E+10	67.5	14.3	50.5
1.3E+10	4.7E+09	6.63E+09	1.7E+10	2.83E+10	5.46E+10	6.81E+10	117.3	52.8	56.2
1.3E+10	3.1E+09	7.35E+09	1.69E+10	2.67E+10	4.69E+10	8.73E+10	-5.21	15.5	46.1
1.17E+09	6.73E+08	2.25E+08	1.46E+09	4.02E+09	2.23E+10	19400000	1.19	-13	27.9
1.65E+09	1.03E+09	5.5E+08	2E+09	5.26E+09	3.95E+10	1.49E+10	54.3	21	29.1
2.12E+09	1.38E+09	7.75E+08	2.49E+09	6.26E+09	3.02E+10	2.25E+10	83.6	29.5	31.4
1.97E+09	1.24E+09	7.57E+08	2.35E+09	5.87E+09	4.14E+10	4.08E+10	-20.8	37.6	33.8
1.89E+09	1.19E+09	7.71E+08	2.33E+09	5.81E+09	4.37E+10	3.11E+10	42.8	31.3	33.5
1.95E+09	9.45E+08	75400000	2.32E+09	1.32E+10	1.01E+10	21500000	0.97	-0.54	32.1
2.32E+09	1.41E+09	6.66E+08	2.7E+09	1.43E+10	1.45E+10	2.27E+10	-23	27.7	14.8
2.36E+09	1.32E+09	78200000	2.76E+09	1.43E+10	1.48E+10	1.78E+10	17.5	38.1	16.3
2.3E+09	1.39E+09	78400000	2.77E+09	1.47E+10	1.48E+10	1.82E+10	11.3	33.9	16.5
2.52E+09	1.48E+09	1.41E+08	2.93E+09	1.57E+10	2E+10	2.06E+10	6.06	33.5	15.7
1.72E+10	1.04E+10	1.83E+09	3.17E+10	3.94E+10	1.69E+11	3180000	1.53	58.1	124.9
1.84E+10	1.03E+10	3.12E+09	3.31E+10	4.14E+10	2.62E+11	1.97E+11	22.1	83.7	43.8
1.84E+10	8.8E+09	6.68E+09	3.51E+10	4.61E+10	2.09E+11	2.23E+11	34.8	0	44.5
2.03E+10	1.01E+10	6.94E+09	3.71E+10	5.16E+10	2.78E+11	2.89E+11	-6.27	0	39.9
2.23E+10	1.16E+10	1.07E+10	3.91E+10	5.49E+10	4.84E+11	3.04E+11	29	3367.8	39.3
2.11E+09	9.06E+08	1.83E+08	3.8E+09	1.28E+10	2.65E+10	-12200000	0.99	3.51	0
2.37E+09	1.25E+09	1.56E+08	4.22E+09	1.43E+10	3.41E+10	0	0	0	16.5
2.29E+09	1.25E+09	1.15E+08	3.94E+09	1.37E+10	2.99E+10	3.46E+10	28.9	0	16.6
2.44E+09	1.41E+09	1.38E+08	4.2E+09	1.42E+10	3.13E+10	4.19E+10	-10.1	0	16.7
2.53E+09	1.65E+09	1.26E+08	4.29E+09	1.43E+10	3.94E+10	3.87E+10	14.3	0	17.2
2.67E+09	1.3E+09	1.64E+09	2.3E+09	1.87E+10	2.96E+10	34000000	0.95	6.52	24.9
3.29E+09	1.87E+09	1.63E+09	3.18E+09	2.35E+10	3.11E+10	3.36E+10	9.08	13	14.3



4.57E+09	3.01E+09	1.39E+09	4.61E+09	2.88E+10	3.35E+10	3.59E+10	2.29	17	14
6.48E+09	4.6E+09	1.26E+09	6.96E+09	3.51E+10	4.37E+10	3.69E+10	12.1	24.3	15.9
5.36E+09	4.16E+09	1.75E+09	5.93E+09	3.37E+10	5.5E+10	4.01E+10	48	31.7	18.4
6.3E+09	-1.32E+09	7.69E+09	5.89E+09	1.85E+10	1.9E+10	13800000	0.58	11.9	8.89
6.57E+09	-1E+08	7.69E+09	6.06E+09	2.06E+10	2.3E+10	2.94E+10	14.6	-9.9	34.1
6.99E+09	1.8E+09	9.58E+09	7.02E+09	2.17E+10	3.03E+10	6.52E+10	-2.57	-0.48	31.8
7.19E+09	2.24E+09	9.71E+09	8.31E+09	2.44E+10	3.46E+10	6.82E+10	33.9	8.13	32.3
9.31E+09	2.48E+09	1.04E+10	9.16E+09	2.44E+10	4.32E+10	8.97E+10	10.9	9.27	29.4
2.3E+09	1.06E+09	3.04E+08	6.09E+09	1.38E+10	3.06E+10	33500000	1.15	-20.1	18.4
2.31E+09	1.44E+09	3.71E+08	6.56E+09	1.68E+10	3.81E+10	3.65E+10	8.04	19.1	16.6
2.18E+09	1.03E+09	4.86E+08	5.68E+09	1.56E+10	2.68E+10	3.83E+10	19.6	23.6	13.8
2.7E+09	1.27E+09	5.16E+08	6.61E+09	1.62E+10	2.87E+10	4.74E+10	-27.1	15.8	13.9
2.74E+09	1.12E+09	7.21E+08	6.64E+09	1.58E+10	2.91E+10	3.61E+10	18.9	17.1	16.6
2.66E+09	1.47E+09	2.27E+09	2.79E+09	5.47E+09	2.11E+10	19400000	0.67	19.8	6.34
2.6E+09	-1.48E+09	1.97E+09	2.75E+09	5.78E+09	2.22E+10	4.84E+10	-21.4	4.86	48.7
2.56E+09	7.56E+08	2.16E+09	2.89E+09	7.9E+09	1.95E+10	4.52E+10	6.6	0.13	45
3.05E+09	7.4E+08	2.39E+09	3.41E+09	8.31E+09	1.8E+10	2.9E+10	-2.79	5.17	32.4
3.16E+09	8.88E+08	2.81E+09	3.5E+09	8.46E+09	2.38E+10	3.5E+10	-7.26	5.31	36.7
3.74E+08	1.19E+08	18300000	1.2E+09	1.53E+09	9.74E+09	26200000	1.15	5.09	13
4.88E+08	5E+08	25200000	1.46E+09	1.84E+09	1.49E+10	8.99E+09	59.7	8.66	24.4
5.99E+08	3.42E+08	25300000	1.55E+09	1.94E+09	1.37E+10	1.48E+10	1.29	29	26.6
5.99E+08	2.37E+08	19200000	1.73E+09	2.18E+09	1.66E+10	1.55E+10	-0.92	15.7	30.8
6.93E+08	3.92E+08	12600000	1.87E+09	2.31E+09	2.24E+10	1.55E+10	45.8	9.1	27.4
1.22E+09	4.61E+08	4.21E+08	1.37E+09	6.66E+09	1.08E+10	48700000	0.92	38.2	19.2
1.71E+09	8.41E+08	6.05E+08	1.87E+09	7.73E+09	1.3E+10	1.25E+10	23.1	14.6	18.4
1.93E+09	1.03E+09	8.24E+08	2.09E+09	8.48E+09	1.12E+10	1.46E+10	-1.28	24.5	22.1
1.62E+09	7.65E+08	4.7E+08	1.71E+09	7.8E+09	1.35E+10	1.44E+10	-6.05	28.3	22.8
1.68E+09	8.05E+08	6.7E+08	1.79E+09	8.38E+09	2.04E+10	1.37E+10	27.4	20	20.8
-1.16E+09	-1.17E+09	12200000	7.4E+08	1.09E+09	1.67E+10	2100000	2.6	340.5	10.8
-4E+08	-5.2E+08	12600000	1.2E+09	1.54E+09	5.05E+10	0	0	-139.8	-106.1
-1.39E+08	-3.74E+08	40000000	1.5E+09	1.91E+09	1.78E+10	3.94E+10	-22.7	-27.3	-25.7
1.53E+08	2.1E+08	15100000	1.79E+09	2.23E+09	3.16E+10	3.42E+10	-64.7	-15	-7.28
3.42E+08	4.62E+08	12600000	2.3E+09	2.87E+09	9.78E+10	1.11E+10	167.4	7.01	6.89
3700000	-3.68E+08	1.8E+08	2.65E+09	3.78E+09	2.1E+10	7470000	0.97	23.4	23.4
-99000000	-4.62E+08	1.7E+08	3.38E+09	4.86E+09	4.99E+10	2.17E+10	53.7	-27.8	0.1
2.45E+08	34300000	1.55E+08	4.29E+09	6.16E+09	5.12E+10	3.46E+10	56.7	-79.9	-2.04
9.73E+08	2.28E+09	1.4E+08	5.57E+09	7.53E+09	7.41E+10	5.54E+10	-24.8	8.1	3.98
1.19E+09	1.25E+09	1.76E+08	6.33E+09	8.57E+09	1.18E+11	4.23E+10	111.3	89.5	12.9
5.06E+09	2.42E+09	3.24E+08	1.05E+10	2.53E+10	1.77E+10	0	1.27	-29.3	-30.9
4.39E+09	4.54E+09	3.54E+08	1.08E+10	2.86E+10	2.35E+10	3.63E+10	-11.2	17.3	20
3.21E+09	1.1E+09	3.58E+08	1.03E+10	3.02E+10	1.25E+10	4.23E+10	-19	22.7	15.4
2.27E+09	-6.08E+08	3.28E+08	9.64E+09	2.97E+10	7.28E+09	3.47E+10	-44.1	3.58	10.6
2.92E+09	-6.19E+09	2.63E+08	9.78E+09	2.92E+10	7.57E+09	2.56E+10	-12.4	-5.37	7.67

2.65E+09	1.43E+09	2.07E+08	3.56E+09	1.35E+10	2.68E+10	93400000	1.35	38.1	25.9
3.27E+09	1.82E+09	2.23E+08	4.68E+09	1.53E+10	3.81E+10	3.18E+10	32.4	21.2	19.6
3.51E+09	1.26E+09	3.1E+08	5.68E+09	1.72E+10	3.75E+10	4.23E+10	16.8	22.9	21.4
4.95E+09	2.63E+09	3.99E+08	7.17E+09	1.98E+10	4.75E+10	4.69E+10	-8.53	13.9	20.4
4.98E+09	3.16E+09	4.13E+08	7.22E+09	1.99E+10	8.03E+10	5.08E+10	58.3	25.5	25
4.3E+09	4.2E+09	8.66E+08	1E+10	2.15E+10	2.18E+11	20200000	1.45	39	20
5.21E+09	4.17E+09	9.08E+08	1.19E+10	2.54E+10	2.73E+11	1.22E+11	116.5	22.7	20
4.93E+09	2.42E+09	7.06E+08	1.17E+10	2.75E+10	9.97E+10	2.7E+11	-19.5	20	20.6
5.45E+09	4.25E+09	6.23E+08	1.18E+10	2.98E+10	5.61E+10	2.18E+11	-62.2	11.5	17.9
6.17E+09	4.15E+09	6.83E+08	1.29E+10	3.18E+10	7.84E+10	8.17E+10	-13.8	20.5	18.3
1.63E+09	1.06E+09	1.22E+08	2.71E+09	3.97E+09	2.96E+10	10600000	0.91	17.7	46.2
1.87E+09	1.28E+09	1.25E+08	3.04E+09	4.33E+09	4.45E+10	3.08E+10	9.55	38.8	41.1
2.11E+09	1.47E+09	1.35E+08	3.39E+09	4.82E+09	4.32E+10	3.36E+10	46.5	42.6	43.1
2.28E+09	1.63E+09	1.57E+08	3.69E+09	5.15E+09	3.99E+10	4.91E+10	-15.3	46.4	43.8
2.39E+09	1.72E+09	1.65E+08	3.86E+09	5.37E+09	5.09E+10	4.13E+10	3.07	48.4	44.3
2.12E+08	1.44E+08	94100000	7.44E+08	8.41E+08	2.1E+10	27600000	0.83	-0.85	34.9
2.84E+08	1.96E+08	1.21E+08	9.25E+08	1.06E+09	3.17E+10	1.52E+10	70.8	24.3	25.2
4.24E+08	2.81E+08	1.33E+08	1.21E+09	1.38E+09	1.98E+10	2.6E+10	-8.19	25.3	26.9
5.03E+08	3.41E+08	1.93E+08	1.47E+09	1.69E+09	1.39E+10	2.4E+10	-25.3	27.1	30.8
5.8E+08	5.02E+08	1.93E+08	1.62E+09	1.88E+09	9.37E+09	1.77E+10	-33.4	27.4	29.7
5.28E+08	3.59E+08	62200000	1.06E+09	3.02E+09	8.28E+09	21500000	1.1	38.4	18.5
7.14E+08	5.53E+08	60200000	1.32E+09	3.76E+09	1.22E+10	8.8E+09	15.7	17.6	17.5
7.42E+08	4.81E+08	85200000	1.37E+09	4.12E+09	7.03E+09	9.64E+09	37.6	24.6	19
8.98E+08	6.23E+08	76000000	1.52E+09	4.1E+09	9.7E+09	1.27E+10	-38.4	18.8	18
1.01E+09	6.25E+08	74400000	1.6E+09	4.08E+09	1.64E+10	9.76E+09	61.6	21	21.9
1.33E+10	7.12E+09	4.24E+09	3.86E+10	7.04E+10	1.84E+11	15000000	0.46	-10.5	52.3
1.44E+10	7.62E+09	4.63E+09	4.24E+10	7.95E+10	2.23E+11	2.19E+11	8.51	50.5	18.9
1.5E+10	8.91E+09	5.21E+09	4.61E+10	8.64E+10	2.51E+11	2.4E+11	17.1	51.7	18.2
1.68E+10	9.07E+09	5.52E+09	4.97E+10	9.15E+10	2.26E+11	2.78E+11	4	53.7	17.3
1.73E+10	9.58E+09	5.32E+09	5.04E+10	9.19E+10	2.28E+11	2.84E+11	-5.99	51	18.4
1.45E+10	9.16E+09	2.23E+09	3.33E+10	4.17E+10	1.97E+11	15700000	0.47	-7.85	9.06
3.21E+10	2.2E+10	2.71E+09	5.06E+10	8.13E+10	2.45E+11	2.62E+11	-6.05	10.5	34.7
4.49E+10	3.14E+10	3.24E+09	6.71E+10	1.01E+11	2.66E+11	2.57E+11	60.4	31.9	39.5
1.88E+10	2.12E+09	3.91E+09	4.18E+10	5.96E+10	1.72E+11	3.42E+11	-13.2	36.2	44.3
2.33E+10	8.03E+09	2.91E+09	4.72E+10	6.36E+10	1.62E+11	2.89E+11	-43.8	2.35	31.5
1.27E+10	8.06E+09	6.02E+08	1.91E+10	2.87E+10	1.11E+11	-5990000	0.48	27.9	0
1.41E+10	9.11E+09	7.48E+08	2.14E+10	3.14E+10	1.47E+11	1.6E+11	-2.7	0	44.3
1.39E+10	9.05E+09	1.08E+09	2.07E+10	3.18E+10	1.43E+11	1.55E+11	14.7	0	44.8
1.47E+10	7.81E+09	1.32E+09	2.23E+10	3.52E+10	1.39E+11	1.74E+11	6.54	0	43.7
1.5E+10	7.06E+09	1.44E+09	2.45E+10	3.79E+10	2.05E+11	1.8E+11	-7.04	0	41.7
-1.61E+08	-4E+09	2.92E+09	6.42E+09	6.41E+10	2.04E+10	66800000	1.09	-14.4	7.24
2.08E+09	1.32E+09	1.86E+09	9.37E+09	1.11E+11	3.28E+10	6.27E+10	-37.2	-15.3	-0.25
1.15E+10	1.1E+10	1.89E+09	2.01E+10	1.7E+11	5.01E+10	4.62E+10	3.6	7.39	1.87

1.02E+10	7.02E+09	2.16E+09	1.93E+10	1.47E+11	5.01E+10	4.75E+10	43.6	40.9	6.76
4.16E+09	2.12E+09	1.86E+09	1.32E+10	1.43E+11	5.04E+10	6.95E+10	27.9	22	6.93
1.53E+09	5.51E+08	1.35E+09	1.63E+09	3.59E+09	9.18E+09	57800000	0.46	18	9.53
1.64E+09	6.19E+08	1.49E+09	1.7E+09	3.8E+09	7.27E+09	1.58E+10	-11.1	10.1	42.7
1.65E+09	4.84E+08	1.74E+09	1.71E+09	4.32E+09	7.72E+09	1.58E+10	-11.7	10.8	43
1.72E+09	5.02E+08	1.89E+09	1.84E+09	4.7E+09	8.42E+09	1.57E+10	7.72	8.22	38.1
2.02E+09	6.09E+08	2.3E+09	2.14E+09	5.12E+09	9.94E+09	1.73E+10	-5.52	8.34	36.6
5E+08	3.67E+08	21700000	1.13E+09	3.94E+09	1.4E+10	0	1.1	-14.5	33.6
8.62E+08	6.51E+08	37700000	1.62E+09	5.3E+09	2.07E+10	9.19E+09	75.4	69.9	12.7
1.06E+09	7.49E+08	43600000	1.93E+09	6.18E+09	1.24E+10	1.54E+10	51.9	76.1	16.3
7.87E+08	5.23E+08	60100000	1.66E+09	5.54E+09	1.22E+10	2.32E+10	-46.6	64.9	17.2
6.62E+08	4.34E+08	59500000	1.58E+09	5.31E+09	1.39E+10	1.35E+10	31.9	41.1	14.2
1.95E+09	1.4E+09	1.09E+08	6.34E+09	1.47E+10	1.08E+10	49000000	1.03	-1.6	14.1
2.28E+09	1.58E+09	1.3E+08	7.08E+09	1.44E+10	1.78E+10	1.66E+10	-9.8	8.98	13.2
6.41E+09	4.76E+09	1.16E+08	1.11E+10	1.75E+10	2.16E+10	1.48E+10	45.8	9.76	15.8
1.04E+09	6.23E+08	1.02E+08	5.84E+09	1.37E+10	1.64E+10	2.09E+10	16	35.9	36.5
2.18E+09	1.57E+09	68800000	7.28E+09	1.61E+10	1.93E+10	2.12E+10	-6.26	6.24	7.62
3.26E+09	1.48E+09	0	3.57E+09	4.74E+09	7.33E+10	61900000	1.29	-20.7	6.78
3.6E+09	2.94E+09	0	3.92E+09	5.16E+09	1.07E+11	7.07E+10	11.8	5.18	68.9
4.4E+09	3.36E+09	0	4.78E+09	6.28E+09	1.04E+11	9.42E+10	68.9	8.5	69.7
5.88E+09	3.06E+09	0	6.32E+09	8.33E+09	9.14E+10	1.46E+11	-33	7.44	70.1
6.03E+09	3.73E+09	0	6.5E+09	8.56E+09	1.07E+11	1.26E+11	18.2	5.62	70.5
1.99E+08	-3.74E+08	0	1.36E+10	5.71E+10	2.53E+10	85600000	1.02	14.3	9.49
1.2E+10	8.87E+09	0	2.54E+10	7.12E+10	4.26E+10	5.63E+10	-16.7	-0.22	0.35
-3.16E+09	-1.65E+09	0	9.29E+09	5.46E+10	3.92E+10	4.74E+10	38.6	13.7	16.9
3.48E+09	2.49E+09	0	1.62E+10	5.4E+10	3.3E+10	6.01E+10	-8.11	-3.54	-5.79
3.59E+09	2.73E+09	0	1.66E+10	7.04E+10	4.51E+10	5.21E+10	4.27	8.12	6.45
3.87E+09	1.91E+09	2.92E+09	3.43E+09	9.6E+09	2.94E+10	32400000	0.54	38.2	11.2
3.53E+09	-6.48E+08	2.72E+09	3.01E+09	9.72E+09	3.23E+10	4.59E+10	-1.27	12.3	40.2
3.16E+09	1.03E+09	2.89E+09	2.6E+09	9.8E+09	2.86E+10	4.6E+10	14.5	-4.26	36.3
4.8E+09	2.56E+09	3.33E+09	4.83E+09	1.12E+10	3E+10	5.19E+10	-8.18	7.32	32.3
3.81E+09	1.77E+09	3.38E+09	3.54E+09	1.03E+10	4.4E+10	5.03E+10	-0.2	17.6	42.7
2.05E+09	1.36E+09	0	2.13E+09	3E+09	4E+10	41600000	0.88	-1.82	20.9
2.64E+09	1.95E+09	0	2.71E+09	3.65E+09	5.82E+10	4.26E+10	8.44	15.2	68.4
3.14E+09	4.35E+09	0	3.21E+09	4.29E+09	5.47E+10	4.62E+10	62.2	21.4	72.3
3.3E+09	2.15E+09	0	3.38E+09	4.55E+09	4.2E+10	7.45E+10	-25.2	44.6	73.3
3.34E+09	2.07E+09	0	3.44E+09	4.72E+09	5.88E+10	5.95E+10	8.85	21.3	72.6
1.83E+09	1.41E+09	58400000	2.79E+09	1.1E+10	1.09E+10	57000000	1.3	5.5	27.4
2.62E+09	1.95E+09	72800000	3.78E+09	1.37E+10	1.22E+10	1.29E+10	11.1	23.4	16.6
3.52E+09	2.62E+09	1.13E+08	4.83E+09	1.6E+10	9.19E+09	1.26E+10	32.6	27.7	19.1
3.49E+09	2.6E+09	92200000	4.72E+09	1.61E+10	1.56E+10	1.55E+10	-20.3	31.9	22
3.99E+09	3.08E+09	1.19E+08	5.22E+09	1.79E+10	2.67E+10	1.29E+10	126.7	27	21.7
9.13E+09	6.73E+09	1.58E+09	1.61E+10	2.67E+10	1.39E+11	22700000	1.23	6.22	42

1.28E+10	9.99E+09	2E+09	2.1E+10	3.6E+10	1.5E+11	1.04E+11	72.7	113.1	34.2
1.52E+10	1.18E+10	2.08E+09	2.46E+10	4.3E+10	1.34E+11	1.77E+11	20	106.7	35.4
1.09E+10	7.76E+09	1.27E+09	2.02E+10	3.63E+10	1.2E+11	2.09E+11	-39.9	78.7	35.5
1.26E+10	1.06E+10	1.1E+09	2.28E+10	4.07E+10	1.87E+11	1.33E+11	31.6	37.6	30
9.11E+08	4.46E+08	2.6E+08	1.66E+09	1.12E+10	8.67E+09	51200000	1.04	46.5	13.6
1.05E+09	4.86E+08	3.86E+08	1.95E+09	1.3E+10	1.73E+10	7.89E+09	76.9	10.8	8.13
1.48E+09	4.91E+08	4.28E+08	2.53E+09	1.71E+10	2.02E+10	1.13E+10	59.2	10.4	8.11
1.71E+09	7.45E+08	4.35E+08	2.94E+09	2.09E+10	2.39E+10	1.78E+10	24.3	9.73	8.69
2.05E+09	9.05E+08	6.04E+08	3.51E+09	2.37E+10	4.59E+10	2.43E+10	51.4	12.9	8.17
2.35E+09	1.43E+09	4.18E+08	3.64E+09	9.44E+09	1.65E+10	62400000	0.56	9.41	13.8
2.8E+09	2E+09	4.03E+08	4.22E+09	1.08E+10	1.8E+10	1.86E+10	11.6	23.7	24.9
1.93E+09	9.46E+08	4.04E+08	3.45E+09	9.88E+09	1.65E+10	1.97E+10	45.2	30.9	26
1.78E+09	8.54E+08	4.08E+08	3.07E+09	9.25E+09	1.46E+10	2.5E+10	-9.58	16.2	19.6
1.9E+09	8.71E+08	4.25E+08	3.27E+09	9.87E+09	1.74E+10	2.19E+10	-11.9	14.6	19.3
5.92E+09	-3.52E+09	1.8E+09	8.53E+09	5.66E+10	8.19E+10	46800000	0.65	37.5	8.13
1.12E+10	3.86E+09	2.13E+09	1.25E+10	6.44E+10	1.33E+11	1.7E+11	-52.3	-4.95	10.5
1.15E+10	5.2E+09	2.29E+09	1.37E+10	6.71E+10	1.4E+11	1.34E+11	20.3	5.58	17.4
9.7E+09	3.2E+09	2.42E+09	1.21E+10	6.89E+10	1.13E+11	1.56E+11	17.3	7.16	17.1
1.28E+10	4.77E+09	2.63E+09	1.54E+10	8.07E+10	1.62E+11	1.8E+11	-16.6	4.98	14.1
3.72E+08	-3E+08	1.35E+08	2.84E+09	4.39E+09	4.88E+09	38500000	1.63	60.2	27.6
1.03E+09	5.02E+08	1.41E+08	3.97E+09	5.98E+09	9.35E+09	9.98E+09	-11.5	-10.2	8.47
9.39E+08	5.15E+08	2.09E+08	4.19E+09	6.43E+09	6.32E+09	8.75E+09	14.6	18.5	17.3
9.63E+08	5.88E+08	1.87E+08	4.34E+09	6.6E+09	7.31E+09	9.18E+09	-11.1	19.8	14.6
1.11E+09	7.05E+08	1.76E+08	4.73E+09	6.95E+09	1.25E+10	8.32E+09	36.5	23.3	14.6
0	8.62E+08	1.13E+08	7.47E+09	7.97E+09	1.05E+10	53300000	1.05	39.3	19.1
0	1.54E+09	68000000	9.79E+09	1.04E+10	2.03E+10	0	6.94	12	0
0	1.57E+09	99000000	1.02E+10	1.08E+10	2.56E+10	0	57.4	19.1	0
0	1.73E+09	1.96E+08	1.1E+10	1.17E+10	1.99E+10	0	6.42	17	0
0	2.17E+09	1.96E+08	1.24E+10	1.32E+10	3.03E+10	0	4.35	16.8	0
1.47E+09	3.96E+08	0	1.54E+09	1.65E+09	2E+10	44100000	0.79	-6.98	2.4
1.85E+09	3.6E+08	0	1.95E+09	2.08E+09	2.78E+10	3.1E+10	-15.6	3.81	89.4
3.03E+09	8.69E+08	0	3.11E+09	3.34E+09	3.85E+10	2.98E+10	15.2	2	88.9
3.68E+09	8.72E+08	0	3.76E+09	4.08E+09	3.28E+10	4.95E+10	-11.4	3.23	90.7
4.76E+09	8.61E+08	0	4.9E+09	5.28E+09	5.27E+10	5.66E+10	-9.48	2.83	90.2
6.06E+08	44900000	0	7.35E+08	1.05E+09	6.02E+09	36000000	1.1	10.3	5.82
7.71E+08	3.61E+08	0	8.77E+08	1.2E+09	1.19E+10	1.47E+10	-27.7	0.77	57.9
8.18E+08	4.83E+08	0	9.25E+08	1.27E+09	1.02E+10	1.17E+10	65.3	6.02	64.1
8.4E+08	3.65E+08	0	9.75E+08	1.37E+09	9.93E+09	1.66E+10	-17.1	7.94	64.4
9.4E+08	4E+08	0	1.07E+09	1.5E+09	1.32E+10	1.46E+10	7.2	5.55	61.3
3.9E+09	3.51E+09	6.15E+08	4.73E+09	8.5E+09	5.72E+10	2.84E+08	0.31	-18.9	16
9.28E+09	8.08E+09	5.52E+08	1.08E+10	1.61E+10	6.65E+10	3.58E+10	28.7	31.8	45.9
5.34E+09	4.34E+09	5.9E+08	7.02E+09	1.22E+10	8.03E+10	4.78E+10	30.7	54.2	57.7
4.65E+09	3.95E+09	7.19E+08	6.86E+09	1.31E+10	8.24E+10	5.73E+10	14.2	20.9	43.8

4.63E+09	4.41E+09	7.56E+08	7.1E+09	1.42E+10	9.96E+10	6.68E+10	21.7	16.3	35.5
0	1.09E+09	0	4.96E+09	4.96E+09	1.28E+10	18500000	1.03	21.4	10.7
0	2.52E+09	0	6.96E+09	6.96E+09	2.26E+10	0	-6.06	6.36	0
0	2.25E+09	0	6.89E+09	6.89E+09	2.04E+10	0	35.2	13.8	0
0	2.07E+09	0	7.02E+09	7.02E+09	1.33E+10	0	-1.1	13.1	0
0	1.89E+09	0	6.6E+09	6.6E+09	2.19E+10	0	-10.1	12.4	0
3E+09	9.67E+08	1.19E+09	4.05E+09	1.02E+10	2.81E+10	36400000	0.6	22	18.6
3.38E+09	1.29E+09	1.32E+09	4.56E+09	1.13E+10	4.27E+10	3.75E+10	7.44	11.7	29.5
3.85E+09	1.49E+09	1.45E+09	5.31E+09	1.35E+10	4.21E+10	3.94E+10	44.8	14.8	30
4.38E+09	1.73E+09	1.63E+09	6.2E+09	1.5E+10	4.63E+10	5.38E+10	-7.5	15.9	28.5
4.94E+09	2.04E+09	1.86E+09	6.86E+09	1.6E+10	6.23E+10	5.27E+10	27.8	17.1	29.3
1.01E+09	6.99E+08	96000000	1.85E+09	3.09E+09	2.78E+10	33600000	0.83	32.9	25.7
1.09E+09	5.22E+08	1.12E+08	1.99E+09	3.44E+09	3.83E+10	2.34E+10	37.2	27.3	32.7
1.18E+09	8.1E+08	1.34E+08	2.17E+09	3.76E+09	3.2E+10	3.16E+10	22.5	17.4	31.6
1.37E+09	8.9E+08	1.17E+08	2.52E+09	4.5E+09	2.02E+10	3.87E+10	-20.1	23.5	31.5
1.71E+09	1.25E+09	84600000	2.91E+09	4.93E+09	3.57E+10	3.13E+10	-17.3	21.7	30.4
1.07E+09	7.28E+08	63600000	1.74E+09	2.66E+09	1.45E+10	65400000	0.99	2.1	3.64
1.73E+09	9.43E+08	86000000	2.47E+09	3.83E+09	2.23E+10	1.28E+10	47.8	19.3	40
1.25E+09	5.69E+08	85600000	1.99E+09	3.31E+09	1.72E+10	1.78E+10	40.1	16.4	45.1
8.13E+08	6.93E+08	81400000	1.54E+09	2.75E+09	1.02E+10	3.02E+10	-30.3	7.06	37.9
8.38E+08	2.7E+08	86600000	1.54E+09	2.76E+09	1.48E+10	2.19E+10	-22	2.35	29.6
0	7000000	24000000	7.09E+08	9.58E+08	0	8320000	2.43	192.5	19.2
0	-3.69E+09	63000000	1.29E+09	1.82E+09	3.01E+10	0	0	0.48	0
0	-1E+09	28000000	9.87E+08	1.36E+09	1.01E+10	0	0	-78.3	0
0	-5.41E+08	2000000	1.6E+09	1.87E+09	8.28E+09	0	-54.2	-14.4	0
0	1.41E+09	13000000	2.68E+09	2.95E+09	2.49E+10	0	56.5	-7.93	0
1.22E+09	1.31E+09	1.04E+08	2.54E+09	6.21E+09	2.75E+10	30000000	1.4	-7.95	24.8
1.39E+09	1.01E+09	1.3E+08	3E+09	7.29E+09	3.71E+10	2.47E+10	23.8	89.2	19.6
1.61E+09	1.07E+09	1.28E+08	3.17E+09	7.88E+09	2.97E+10	3.11E+10	39.1	42.4	19
1.8E+09	1.22E+09	2.04E+08	3.7E+09	9.13E+09	3.03E+10	4.45E+10	-26.2	35.3	20.4
1.57E+09	9.22E+08	2.28E+08	3.15E+09	8.09E+09	3.03E+10	3.35E+10	20.5	31.8	19.7
4.55E+08	2.67E+08	23200000	1.11E+09	2.16E+09	1.9E+10	2810000	0.69	6.14	37.5
5.34E+08	3.57E+08	27200000	1.26E+09	2.42E+09	1.73E+10	1.13E+10	76.7	30.4	21.1
5.85E+08	3.69E+08	30600000	1.39E+09	2.7E+09	2.06E+10	1.95E+10	-12.4	34.7	22
6.88E+08	4.35E+08	32500000	1.6E+09	3.07E+09	1.78E+10	1.7E+10	6.81	31	21.7
7.7E+08	4.66E+08	27600000	1.79E+09	3.39E+09	2.27E+10	1.83E+10	19.5	35.9	22.4
1.57E+09	9.5E+08	24700000	2.83E+09	4.02E+09	3.89E+10	1.74E+08	1	-4.64	8.53
1.95E+09	1.15E+09	28500000	3.41E+09	4.83E+09	5.14E+10	4.3E+10	21.7	6.75	39.1
2.17E+09	4.54E+09	40100000	3.75E+09	5.37E+09	4.39E+10	5.46E+10	14.1	7.31	40.4
2.5E+09	1.38E+09	68000000	4.31E+09	6.18E+09	5.17E+10	5.99E+10	-12.2	7.14	40.5
2.81E+09	1.55E+09	66000000	4.88E+09	7.04E+09	5.87E+10	5.06E+10	26.2	8.17	40.5
5.54E+08	85400000	4.05E+08	3.53E+09	1.25E+10	3.03E+10	14400000	1.18	9.31	40.3
2.69E+09	1.72E+09	5.58E+08	6.09E+09	1.89E+10	4.02E+10	4.41E+10	5.49	2.57	4.42

2.39E+09	1.51E+09	6.54E+08	5.68E+09	1.87E+10	3.31E+10	4.51E+10	-6.95	46.9	14.2
2.73E+09	1.87E+09	7.63E+08	6.56E+09	2.04E+10	3.88E+10	4.08E+10	1.57	36.2	12.8
3.03E+09	2.09E+09	7.2E+08	6.92E+09	2.11E+10	4.63E+10	4.18E+10	19.2	40.9	13.4
-1.71E+09	-5.8E+09	1.97E+09	-4.87E+08	2.21E+09	1.26E+10	27000000	2.09	78.2	45.8
-2.58E+09	-5.26E+09	2.23E+09	-1.17E+09	1.53E+09	2.15E+10	3.98E+10	-44.1	-53.7	-77.5
6.53E+08	-2.16E+09	2.71E+09	2.37E+09	8.84E+09	1.34E+10	3.44E+10	2.96	-76	-168.1
4.35E+09	1.7E+09	3.9E+09	6.33E+09	1.39E+10	2.2E+10	3.79E+10	-35.7	-54.2	7.39
5.72E+09	2.88E+09	3.27E+09	8.06E+09	1.65E+10	5.6E+10	3.5E+10	162	43.9	31.3
4.08E+09	2.34E+09	76000000	5.35E+09	7.44E+09	7.76E+10	1.08E+08	1.19	13.1	11
4.71E+09	3.02E+09	35000000	6.12E+09	8.3E+09	1.14E+11	7.12E+10	20.4	82.3	54.8
4.96E+09	3.25E+09	89000000	7.43E+09	1.12E+10	1.07E+11	8.33E+10	43.6	73.4	56.8
5.72E+09	2.63E+09	1.43E+08	8.36E+09	1.25E+10	1.1E+11	1.16E+11	-29	15.6	44.3
6.97E+09	3.85E+09	1.24E+08	9.82E+09	1.42E+10	1.51E+11	1.22E+11	31.5	7.43	45.7
1.39E+09	24100000	3.1E+08	1.59E+09	2.08E+09	3.25E+10	-47200000	0.81	-19.7	0
1.51E+09	2.38E+08	4.08E+08	1.74E+09	2.31E+09	3.78E+10	3.93E+10	17.1	0	67
1.68E+09	4.61E+08	1.31E+09	1.94E+09	2.63E+09	2.91E+10	4.41E+10	37.9	0	65.6
1.79E+09	5.02E+08	3.23E+08	2.08E+09	2.71E+09	2.22E+10	5.62E+10	-27.9	0	63.6
1.79E+09	7.5E+08	4.72E+08	2.07E+09	2.68E+09	2.49E+10	4.47E+10	-9.5	0	66.1
3.65E+09	-1.05E+10	1.42E+09	2.6E+09	2.36E+10	2.08E+10	16200000	0.98	-26.3	21
4.47E+09	1.88E+09	1.62E+09	3.66E+09	2.29E+10	4.52E+10	7.04E+10	-45.7	-57.2	15.5
5.82E+09	3.44E+09	2.21E+09	5.16E+09	2.81E+10	7.15E+10	4.47E+10	37.2	13.9	19.5
7.35E+09	4.2E+09	2.45E+09	6.66E+09	3.31E+10	8.06E+10	5.48E+10	78.5	21	20.7
8.25E+09	4.46E+09	2.41E+09	7.5E+09	3.63E+10	5.67E+10	8.59E+10	-2.66	21.7	22.2
7.93E+08	4.33E+08	2.25E+08	1.33E+09	3.06E+09	1.51E+10	64800000	1.01	-6.5	9.61
1.04E+09	2.79E+08	2.89E+08	1.82E+09	4.25E+09	2.33E+10	1.4E+10	24.4	11.9	25.9
1.33E+09	-27900000	3.64E+08	2.15E+09	4.78E+09	1.73E+10	1.7E+10	28.4	5.29	24.5
1.25E+09	5.67E+08	3.4E+08	2.04E+09	4.68E+09	2.07E+10	2.76E+10	-24.1	-0.46	27.8
1.42E+09	4.68E+08	3.91E+08	2.37E+09	5.4E+09	2.21E+10	2.14E+10	19	16.6	26.7
3.3E+09	4.07E+09	7.1E+08	1.58E+10	2.13E+10	2.11E+11	62300000	1.2	27.1	10.3
3.85E+09	1.44E+09	7.17E+08	1.95E+10	2.65E+10	2.93E+11	1.44E+11	36.8	10.8	15.5
5.64E+09	2.08E+08	7.98E+08	2.3E+10	3.14E+10	1.63E+11	2E+11	14.2	2.9	14.5
9.96E+09	4.14E+09	7.36E+08	2.63E+10	3.49E+10	1.94E+11	2.55E+11	-47.8	0.36	18
1.11E+10	6.2E+09	6.58E+08	2.93E+10	3.79E+10	2.83E+11	1.34E+11	98.5	7.01	28.6
1.7E+09	9.89E+08	5.14E+08	2.71E+09	1.02E+10	1.23E+10	-8000000	1.65	1.1	0
2.48E+09	1.84E+09	4.4E+08	3.53E+09	1.2E+10	1.98E+10	1.81E+10	4.47	70.1	16.7
1.35E+09	6.18E+08	3.81E+08	2.29E+09	9.35E+09	1.06E+10	1.86E+10	81.8	242.5	20.7
3.64E+08	-7.28E+08	2.44E+08	1.21E+09	6.47E+09	1.43E+10	2.93E+10	-53.4	2207.1	14.4
1.61E+09	1.18E+09	2.53E+08	2.55E+09	8.04E+09	2.11E+10	1.63E+10	62.3	0	5.63
4.39E+09	3.93E+09	4.68E+09	4.5E+09	1.14E+10	3.63E+10	52100000	0.66	17.4	9.8
4.64E+09	1.32E+09	5.02E+09	4.7E+09	1.29E+10	4.08E+10	7.37E+10	-15.9	9.65	38.6
4.52E+09	2.14E+09	5.36E+09	4.58E+09	1.44E+10	4.79E+10	6.39E+10	3.82	5.59	36.1
5.84E+09	3.07E+09	8.4E+09	5.94E+09	1.67E+10	4.38E+10	6.89E+10	16.8	8.06	31.3
5.3E+09	2.86E+09	8.22E+09	5.4E+09	1.32E+10	5.29E+10	7.8E+10	-3.29	11.5	34.9

5.35E+08	1.19E+08	4.19E+08	3.53E+09	4.52E+09	9.71E+10	47400000	0.92	50.1	16.5
7.29E+08	2.3E+08	3.92E+08	4.54E+09	5.9E+09	1.39E+11	5.29E+10	95	4.8	11.8
8.12E+08	3.25E+08	5.5E+08	5.67E+09	7.25E+09	8.48E+10	1.07E+11	17.9	7.05	12.4
1.36E+09	1.73E+09	6.94E+08	7.05E+09	8.97E+09	1.16E+11	1.28E+11	-40.2	7.45	11.2
1.96E+09	1.43E+09	8.52E+08	8.7E+09	1.1E+10	1.96E+11	7.49E+10	82	27.3	15.2
3.27E+09	1.11E+09	4.84E+08	3.72E+09	4.6E+09	1.92E+10	7400000	1.53	20.7	74.9
3.69E+09	2.25E+09	5.28E+08	4.14E+09	5.11E+09	4.82E+10	6.99E+10	-42.7	37.6	71.1
3.84E+09	2.14E+09	6.5E+08	4.29E+09	5.29E+09	3.58E+10	5.31E+10	87.3	63.7	72.2
4.11E+09	2.28E+09	7.93E+08	4.63E+09	5.66E+09	3.44E+10	7.93E+10	-26.5	59.6	72.5
4.42E+09	2.37E+09	7.56E+08	4.92E+09	5.96E+09	5.61E+10	6.42E+10	21.4	69.7	72.6
1.52E+09	1.07E+09	3.97E+08	1.93E+09	3.97E+09	2.36E+10	39400000	1.2	-21.1	8.34
1.95E+09	1.39E+09	6.15E+08	2.47E+09	5.11E+09	2.76E+10	1.95E+10	26.5	24.6	38.4
2.01E+09	1.18E+09	4.57E+08	2.53E+09	5.3E+09	1.41E+10	2.46E+10	1.48	28.5	38.1
1.42E+09	9.05E+08	1.69E+08	1.98E+09	4.64E+09	1.38E+10	2.7E+10	-41.3	21.8	38
9.65E+08	5.27E+08	1.74E+08	1.66E+09	4.05E+09	1.44E+10	1.64E+10	23.4	15.4	30.6
1.67E+09	6.67E+08	6.03E+08	3.52E+09	1.04E+10	9.13E+09	33600000	1.05	32	2.71
1.79E+09	8.02E+08	7.15E+08	2.68E+09	1.19E+10	1.33E+10	0	0	16.1	16
2.29E+09	1.03E+09	9.3E+08	3.27E+09	1.35E+10	8.22E+09	0	0	17.3	15
1.98E+09	8.25E+08	9.29E+08	3.05E+09	1.21E+10	8.04E+09	1.69E+10	-30.5	20	16.9
2.84E+09	3.19E+08	1.47E+09	4.2E+09	2.11E+10	2.59E+10	1.31E+10	9.31	14.3	16.4
9.77E+08	6.27E+08	65600000	2E+09	3.94E+09	8.54E+09	0	0.77	17.5	20.3
1.23E+09	8.21E+08	70100000	2.38E+09	4.6E+09	1.09E+10	1.04E+10	1.03	17.8	24.8
1.33E+09	9.12E+08	84200000	2.45E+09	4.84E+09	1.17E+10	1E+10	25.9	20.9	26.8
1.44E+09	1.01E+09	95000000	2.62E+09	5.11E+09	1.34E+10	1.21E+10	6.09	21.5	27.5
1.44E+09	1.04E+09	83500000	2.66E+09	5.11E+09	1.75E+10	1.27E+10	26.4	21.6	28.1
0	0	0	0	0	0	0	0	0	19.5
0	0	0	0	0	0	0	0	0	0
1.12E+09	7.18E+08	2.54E+08	1.4E+09	3.59E+09	0	0	0	0	0
9.97E+08	6.21E+08	2.99E+08	1.28E+09	3.65E+09	0	0	0	0	31.1
1E+09	5.94E+08	2.96E+08	1.31E+09	3.77E+09	0	0	0	0	27.3
2.03E+09	1.14E+09	2.71E+08	4.32E+09	7.28E+09	0	18500000	0	0	6.55
2.47E+09	1.46E+09	2.77E+08	4.92E+09	8.17E+09	0	0	0	0	27.8
2.27E+09	1.34E+09	2.51E+08	4.7E+09	8.13E+09	0	0	0	0	30.3
2.25E+09	1.35E+09	2.9E+08	4.69E+09	8.2E+09	0	0	0	11.3	27.9
1.65E+09	4.79E+08	3.8E+08	4.61E+09	8.25E+09	1.27E+10	0	0	11.5	27.4
-3E+09	-3.07E+09	5.15E+08	-8.6E+08	9.05E+09	2.33E+10	17600000	1.2	16.4	4.46
-7E+07	9.77E+08	5.11E+08	2.33E+09	1.58E+10	2.8E+10	2.88E+10	-13.7	-32.9	-32.7
2.13E+09	5.39E+08	3.95E+09	5.91E+09	2.38E+10	2.15E+10	2.56E+10	-8.09	10.1	-0.44
2.16E+09	4.65E+08	3.55E+09	6.1E+09	2.61E+10	1.34E+10	2.22E+10	-21.4	5.11	8.94
1.67E+09	4.65E+08	2.08E+09	5.86E+09	2.75E+10	1.89E+10	1.64E+10	-14.2	4.39	8.26
2.6E+09	1.23E+09	3.48E+08	4.38E+09	1.28E+10	2.66E+10	59000000	1.19	-18.2	3.22
2.43E+09	1.69E+09	5.19E+08	5.11E+09	1.53E+10	2.93E+10	3.16E+10	7.74	11.4	20.4
1.48E+09	1.06E+09	5.3E+08	4.4E+09	1.69E+10	1.16E+10	3.47E+10	5.63	13.7	15.9

1.19E+09	-3.11E+08	3.39E+08	4.1E+09	1.58E+10	1.29E+10	3.61E+10	-60.2	1.6	8.74
1.55E+09	2.94E+08	3.54E+08	4.56E+09	1.54E+10	1.45E+10	1.97E+10	30.6	-3	7.57
2.87E+09	6.65E+08	1.41E+09	4.93E+09	2.32E+10	1.02E+11	-6830000	1	-4.96	0
6.45E+09	4.39E+09	1.56E+09	8.73E+09	3.04E+10	1.25E+11	1.12E+11	21.7	0	12.4
6E+09	3.32E+09	1.94E+09	8.5E+09	3.29E+10	9.99E+10	1.46E+11	9.34	0	21.2
7.25E+09	4.29E+09	2.41E+09	1.02E+10	3.67E+10	1.07E+11	1.54E+11	-15.2	0	18.2
6.42E+09	3.52E+09	2.87E+09	9.44E+09	3.61E+10	1.1E+11	1.35E+11	-3.22	0	19.8
0	2.42E+09	5.6E+08	1.16E+10	1.16E+10	2.08E+10	77800000	1.48	26.7	10.9
0	2.69E+09	8.11E+08	1.21E+10	1.21E+10	3.6E+10	0	-7.99	9.56	0
0	2.77E+09	7.34E+08	1.21E+10	1.21E+10	2.74E+10	0	27.8	10.1	0
0	1.94E+09	8.16E+08	1.19E+10	1.19E+10	1.97E+10	0	-16.6	10.6	0
0	2.69E+09	9.26E+08	1.29E+10	1.29E+10	2.78E+10	0	-0.14	7.94	0
1.19E+09	5.51E+08	1.2E+09	1.43E+09	9.6E+09	6.62E+09	57500000	1.41	-3.41	17.4
4.65E+09	3.21E+09	1.01E+09	5.36E+09	1.84E+10	1.35E+10	8.62E+09	8.31	13.6	12.4
5.48E+09	3.86E+09	9.09E+08	6.12E+09	2.23E+10	1.66E+10	9.3E+09	68.3	60.9	25.3
3.59E+09	2.45E+09	1.66E+09	4.05E+09	1.88E+10	1.73E+10	1.43E+10	57.4	53.8	24.6
2.42E+09	1.54E+09	1.87E+09	2.8E+09	1.75E+10	2.05E+10	1.81E+10	20.9	29.1	19.1
3.75E+09	1.6E+09	4.87E+08	9.16E+09	1.44E+10	7.59E+10	56200000	0.95	20.2	15.3
4.65E+09	1.99E+09	5.25E+08	1.13E+10	1.71E+10	1E+11	8.53E+10	16.7	12.4	26.1
4.55E+09	2.36E+09	5.88E+08	1.16E+10	1.84E+10	8.67E+10	9.85E+10	9.13	14.3	27.2
5.14E+09	3.17E+09	5.75E+08	1.31E+10	2.05E+10	9.97E+10	1.11E+11	-8.57	15	24.7
6.01E+09	2.99E+09	7.55E+08	1.45E+10	2.26E+10	1.38E+11	1.04E+11	22.5	18	25.1
1.39E+08	88500000	45800000	5.23E+08	3.26E+09	1.19E+09	9400000	1.55	7.23	31
1.66E+08	1.25E+08	55700000	5.7E+08	4.17E+09	1.79E+09	1E+09	31.8	8.57	4.27
7.24E+08	5.78E+08	42600000	1.18E+09	6.65E+09	3.6E+09	1.4E+09	38.8	11.1	3.98
9.06E+08	7.32E+08	33500000	1.52E+09	9.25E+09	1.25E+10	2.28E+09	86.8	38.5	10.9
1.6E+09	1.44E+09	1.79E+08	2.59E+09	2.08E+10	1.94E+10	4.38E+09	246.2	29.9	9.8
0	1.39E+09	0	5.85E+09	5.85E+09	1.46E+10	39400000	1.5	70.2	23
0	4.22E+09	0	9.47E+09	9.47E+09	2.54E+10	0	-3.61	9.97	0
0	3.02E+09	0	8.3E+09	8.3E+09	1.63E+10	0	33.7	32	0
0	2.24E+09	0	7.66E+09	7.66E+09	1.17E+10	0	-29.2	22.7	0
0	3.5E+09	0	9.39E+09	9.39E+09	2.19E+10	0	16.2	16.7	0
8.66E+08	7.23E+08	1.28E+08	3.06E+09	3.82E+09	3.25E+10	54000000	1.1	-5.74	16
1.14E+09	9.09E+08	1.08E+08	3.64E+09	4.5E+09	5.08E+10	2.04E+10	86.2	16	22.7
1.26E+09	9.42E+08	1.38E+08	4.07E+09	5.04E+09	4.52E+10	3.91E+10	42.1	17.7	25.3
1.59E+09	1.41E+09	1.87E+08	4.57E+09	5.6E+09	7.01E+10	5.56E+10	-13.4	16.8	25
1.45E+09	2.11E+09	1.24E+08	4.94E+09	6.07E+09	8.24E+10	4.78E+10	61.3	22.3	28.3
1.79E+09	-3.38E+08	4.91E+08	8.45E+09	4.59E+10	2.82E+10	4460000	0.84	4.55	86.5
2.87E+09	7.86E+08	4.88E+08	1.09E+10	6.07E+10	3.94E+10	5.24E+10	-13.2	-16.8	3.9
3.78E+09	1.42E+09	7.61E+08	1.34E+10	7.36E+10	4.35E+10	4.63E+10	5.78	57.8	4.73
4.13E+09	2.08E+09	8.3E+08	1.43E+10	7.75E+10	3.31E+10	5.02E+10	-2.67	104.3	5.13
4.37E+09	1.93E+09	8.18E+08	1.49E+10	8.06E+10	3.65E+10	4.99E+10	-4.34	106.6	5.32
2.36E+10	3.06E+09	1.1E+10	4.08E+10	6.84E+10	1.36E+11	53900000	0.58	37.7	17.9



2.64E+10	3.02E+09	1.23E+10	4.55E+10	8.01E+10	1.44E+11	1.1E+11	72	5.83	34.5
2.66E+10	2.59E+09	1.4E+10	4.76E+10	7.96E+10	1.88E+11	2.63E+11	-14	4.5	32.9
2.86E+10	8.32E+09	9.8E+09	4.92E+10	7.86E+10	1.64E+11	2.48E+11	20.7	3.73	33.5
3.11E+10	1.13E+10	8.84E+09	5.19E+10	8.14E+10	2.59E+11	2.82E+11	14.5	12.4	36.4
2.94E+09	2.37E+09	2.15E+08	3.59E+09	6.21E+09	2.87E+10	44700000	1.51	5.01	19.6
3.95E+09	3.08E+09	2.39E+08	4.68E+09	7.67E+09	4.87E+10	2.75E+10	24.3	28.9	47.3
2.86E+09	1.56E+09	2.38E+08	3.57E+09	6.49E+09	2.43E+10	3.36E+10	29.9	31.7	51.4
2.36E+09	1.79E+09	3.08E+08	3.21E+09	6.46E+09	2.01E+10	4.29E+10	-44.5	14.5	44.1
2.82E+09	2.1E+09	4.23E+08	3.68E+09	7.09E+09	2.49E+10	2.32E+10	-1.26	18.4	36.6
2.59E+09	1.14E+08	5.26E+08	3.85E+09	1.25E+10	3.2E+10	41700000	1.25	1.76	14.9
3.57E+09	2.45E+09	7.2E+08	4.98E+09	1.52E+10	4.77E+10	3.51E+10	26.3	0.91	20.7
3.67E+09	2.26E+09	7.79E+08	5.21E+09	1.63E+10	3.92E+10	4.39E+10	33.3	23.2	23.5
3.56E+09	3.32E+09	7E+08	5.19E+09	1.6E+10	3.65E+10	5.63E+10	-28.8	20	22.5
3.78E+09	1.92E+09	7.34E+08	5.49E+09	1.59E+10	4.61E+10	4.01E+10	22.4	26.8	22.2
4.2E+08	1.77E+08	20700000	6.24E+08	8.91E+08	0	49100000	0.27	74.2	0.07
4.54E+08	2.72E+08	11100000	6.96E+08	1.03E+09	0	0	0	0	47.1
6.04E+08	3.87E+08	12400000	8.15E+08	1.14E+09	0	0	0	0	44
6.11E+08	2.08E+08	48600000	1.16E+09	1.68E+09	6.9E+09	0	0	42.3	53
6.76E+08	9410000	74900000	1.9E+09	2.8E+09	9.46E+09	0	0	3.73	36.5
6E+08	4.93E+08	58800000	1.67E+09	3.29E+09	1.77E+10	49600000	1.02	14.4	-51.5
8E+08	5.26E+08	1.62E+08	2.08E+09	3.41E+09	2.11E+10	1.25E+10	69.7	17.7	18.2
5.31E+08	-4E+08	1.63E+08	2.62E+09	4.83E+09	2.07E+10	2.17E+10	-14.5	15.4	23.4
5.64E+08	-1.45E+09	1.62E+08	2.81E+09	5.4E+09	2.26E+10	1.84E+10	-41.4	-6.11	11
3.55E+08	-3.66E+09	1.62E+08	3.16E+09	5.45E+09	2.86E+10	1.98E+10	54.6	-16.1	10.5
7.57E+08	-4.28E+08	1.33E+08	3.23E+09	4.65E+09	6.17E+09	12900000	1.59	77.5	39.8
1.44E+09	8.36E+08	1.38E+08	4.6E+09	6.51E+09	1.08E+10	1.06E+10	15.2	-13.8	16.3
1.29E+09	8.37E+08	1.31E+08	4.57E+09	6.59E+09	7.73E+09	1.15E+10	30.6	28.7	22.1
1.44E+09	9.28E+08	1.19E+08	4.86E+09	6.73E+09	6.43E+09	1.29E+10	-6.21	31.9	19.6
1.51E+09	7.96E+08	1.22E+08	5.07E+09	6.78E+09	1.13E+10	1.19E+10	-3.34	37.3	21.3
2.12E+09	-1.55E+09	9.52E+08	3.07E+09	8.26E+09	3.74E+09	12500000	1.13	105.5	34.4
2.19E+09	71200000	5.05E+08	3.22E+09	1.69E+10	1.25E+10	2.05E+10	-35.4	-17.8	25.7
2.83E+09	1.2E+09	1.33E+09	4.05E+09	2.09E+10	1.52E+10	1.73E+10	98	6.96	12.9
3.96E+09	1.35E+09	2.39E+09	5.38E+09	1.61E+10	1.87E+10	2.25E+10	40.7	28.1	13.5
4.13E+09	1.31E+09	2.97E+09	5.68E+09	1.64E+10	3.65E+10	3.01E+10	18.2	32.9	24.7
9.09E+09	4.37E+09	2.65E+09	2.74E+10	9.36E+10	7.62E+10	28300000	1.18	-5.08	29.1
1.17E+10	6.95E+09	3.54E+09	3.1E+10	1.06E+11	1.27E+11	7.81E+10	37.7	33.3	9.72
6.66E+09	2.78E+09	5.53E+09	2.68E+10	1.09E+11	7.71E+10	9.74E+10	31.1	50.9	11
8.7E+09	4.14E+09	4.81E+09	2.96E+10	1.07E+11	5.02E+10	1.21E+11	-35.6	23.1	6.1
8.72E+09	4.09E+09	2.89E+09	3.01E+10	1.07E+11	6.84E+10	8.71E+10	-4.44	33.6	8.1
6.08E+08	4.02E+08	71400000	1.18E+09	3.09E+09	1.14E+10	2.09E+08	1.12	4	8.74
1.11E+09	4.45E+08	1.02E+08	1.95E+09	4.61E+09	2.1E+10	1.36E+10	13.1	13.5	19.7
1.32E+09	7.89E+08	92600000	2.33E+09	5.46E+09	1.85E+10	1.49E+10	11.5	8.21	24.1
1.36E+09	8.86E+08	1.15E+08	2.44E+09	5.64E+09	1.76E+10	2.44E+10	-8.46	9.99	24.1

1.36E+09	8.19E+08	83700000	2.43E+09	5.67E+09	2.15E+10	2.23E+10	11.6	10.2	24.2
1.02E+09	7.84E+08	1.85E+08	1.79E+09	3.12E+09	1.46E+10	18400000	1.82	16	20.3
1.33E+09	1.01E+09	1.33E+08	2.21E+09	3.7E+09	2.28E+10	1.08E+10	75.8	42.5	32.8
1.01E+09	7.16E+08	1.63E+08	1.87E+09	3.16E+09	1.31E+10	1.9E+10	36.4	42.5	36
6.27E+08	4.49E+08	1.6E+08	1.54E+09	2.68E+09	1.29E+10	2.54E+10	-46.6	28.5	32
6.68E+08	5.42E+08	1.98E+08	1.65E+09	2.82E+09	1.79E+10	1.29E+10	24.2	18	23.4
4.27E+09	7.21E+08	3.23E+09	6.63E+09	3.15E+10	3.68E+11	21800000	2.09	62.5	10.4
9.43E+09	5.52E+09	6.51E+09	1.36E+10	5.38E+10	1.12E+12	8.61E+10	743.4	5.42	13.6
1.72E+10	1.26E+10	7.16E+09	2.09E+10	8.15E+10	7.22E+11	6.71E+11	49.8	20.4	17.5
1.36E+10	1.5E+10	8.9E+09	1.77E+10	9.68E+10	6.27E+11	1.06E+12	-65	32.5	21.2
1.3E+10	7.09E+09	1.13E+10	1.75E+10	9.77E+10	8.27E+11	3.75E+11	101.7	27.3	14
6.66E+09	5.6E+09	6.49E+08	9.27E+09	1.45E+10	1.33E+11	18800000	1	10	28.4
9.92E+09	7.77E+09	2.46E+09	1.24E+10	1.83E+10	1.73E+11	1.21E+11	27.9	61.8	46
1.13E+10	8.75E+09	2.8E+09	1.38E+10	2E+10	1.46E+11	1.52E+11	14.8	69	54.1
8.49E+09	6.51E+09	5.07E+09	1.1E+10	1.75E+10	1.28E+11	1.72E+11	-12.3	62.7	56.3
6.86E+09	4.8E+09	4.82E+09	9.09E+09	1.56E+10	1.9E+11	1.49E+11	3.17	41.4	48.5
2.32E+08	1.76E+08	5090000	2.84E+08	3.03E+08	1.16E+09	0	1.13	111	41.7
3.79E+08	2.7E+08	15500000	4.38E+08	4.51E+08	9.87E+09	1.77E+09	-6.94	35.3	76.6
5.78E+08	4.46E+08	19200000	6.5E+08	6.67E+08	1.79E+10	1.57E+09	71.8	47.5	84
5.01E+08	4.06E+08	15000000	5.98E+08	6.32E+08	1.41E+10	9.3E+09	87.7	62.7	86.6
5.7E+08	4.54E+08	29700000	6.6E+08	7.06E+08	2.65E+10	1.76E+10	-32.9	44.7	79.4
1.02E+09	3.09E+08	3.17E+08	1.59E+09	1.17E+10	8.19E+09	37300000	1.13	-4.89	11.6
1.4E+09	7.46E+08	3.75E+08	2.07E+09	1.24E+10	1.63E+10	1.37E+10	8.36	5.44	8.76
1.51E+09	8.61E+08	3.54E+08	2.65E+09	1.29E+10	1.43E+10	1.35E+10	59.7	11.8	11.3
1.67E+09	9.21E+08	4.02E+08	2.84E+09	1.37E+10	1.49E+10	1.92E+10	-8.29	12.4	11.7
1.52E+09	8.24E+08	3.64E+08	2.53E+09	1.37E+10	1.52E+10	1.69E+10	13.6	13.1	12.2
3.6E+09	46000000	1.9E+09	2.69E+09	9.66E+09	1.3E+10	4260000	0.92	-33.1	10.1
3.62E+09	-4.09E+08	2.12E+09	2.71E+09	1.11E+10	1.67E+10	3.5E+10	18.1	2.55	37.2
3.42E+09	-5.46E+08	4.55E+09	2.55E+09	1.26E+10	1.77E+10	3.8E+10	3.4	-16.7	32.5
3.38E+09	2.49E+08	7.72E+09	2.5E+09	1.27E+10	1E+10	3.89E+10	18.4	-8.67	27.1
3.28E+09	1.68E+09	7.39E+09	2.31E+09	1.23E+10	1.17E+10	4.33E+10	-33.1	-2.85	26.7
9.01E+09	5.58E+09	3.08E+08	1.39E+10	4.19E+10	2.77E+10	75200000	0.38	37.7	23.6
8.08E+09	1.61E+09	3.45E+08	1.4E+10	5.06E+10	3.66E+10	4.61E+10	-2.24	19.3	21.5
-6E+08	-1.29E+09	4.2E+08	6.47E+09	5.14E+10	3.42E+10	4.17E+10	7.02	18.7	16
9.04E+08	-1.88E+08	2.67E+08	7.68E+09	5.71E+10	3.28E+10	4.3E+10	15.3	-6.32	-1.16
6.78E+09	4.67E+09	2.1E+08	1.51E+10	6.41E+10	5.02E+10	4.5E+10	3.23	-1.22	1.58
0	3.62E+09	1.22E+09	1.55E+10	1.55E+10	3.04E+10	51300000	1.13	47.6	11
0	3.76E+09	1.22E+09	1.62E+10	1.62E+10	4.89E+10	0	-15.7	8.26	0
0	2.56E+09	1.35E+09	1.65E+10	1.65E+10	3.42E+10	0	36.9	8.43	0
0	3.3E+09	1.22E+09	1.76E+10	1.76E+10	3.3E+10	0	-21.6	6.04	0
0	4.53E+09	1.47E+09	1.85E+10	1.85E+10	5.52E+10	0	14.3	8.08	0
-6.24E+09	-1.19E+10	1.3E+09	-1.52E+09	5.82E+10	8.15E+10	-10900000	1.47	-32.1	0
1.67E+09	-4.2E+09	9.8E+08	5.4E+09	6.23E+10	1.22E+11	1.99E+11	-34.3	0	-10.7

1.16E+09	-4.94E+09	1.22E+09	5.28E+09	6.66E+10	8.57E+10	1.55E+11	-5.95	0	2.68
3.15E+09	-2.22E+09	1.53E+09	9.25E+09	7.78E+10	1.1E+11	1.61E+11	-5.38	0	1.75
-8.18E+09	-1.18E+10	2.23E+09	-1.74E+09	6.65E+10	1.15E+11	1.57E+11	36.8	0	4.05
1.77E+09	8.08E+08	2.64E+08	3.12E+09	8.97E+09	1.41E+10	13400000	0.02	-3.12	13.4
1.76E+09	9.21E+08	2.72E+08	2.61E+09	8.3E+09	1.21E+10	2.35E+10	-2.17	29.7	19.8
1.65E+09	8.13E+08	2.68E+08	2.83E+09	9.18E+09	1.58E+10	2.02E+10	-10.1	29.5	21.2
1.74E+09	7.66E+08	4.78E+08	2.91E+09	9.27E+09	1.2E+10	1.83E+10	30.6	23.4	18
1.87E+09	5.21E+08	4.65E+08	3.15E+09	1.01E+10	1.39E+10	2.2E+10	-23.8	20.6	18.8
0	3.3E+09	6.31E+08	1.13E+10	1.17E+10	7.71E+10	22400000	0.97	7.57	13.3
0	5.86E+09	9.16E+08	1.79E+10	1.85E+10	1.55E+11	0	11.5	8.48	0
0	7.18E+09	9.71E+08	2.02E+10	2.08E+10	1.57E+11	0	58.6	10.4	0
0	5.07E+09	7E+08	1.83E+10	1.89E+10	9.24E+10	0	-1	15.5	0
0	5.94E+09	6.2E+08	1.9E+10	1.96E+10	1.3E+11	0	-17.4	13.1	0
1.04E+10	8.46E+09	1.09E+09	2.42E+10	1.6E+11	6.13E+10	1.52E+08	0.46	-7.78	8.63
9.96E+09	5.37E+09	1.15E+09	2.3E+10	1.74E+11	7.27E+10	1.1E+11	1.8	17.7	6.46
1.04E+10	6.7E+09	1.3E+09	2.35E+10	1.81E+11	9.91E+10	1.05E+11	10.3	11.1	5.72
1.08E+10	5.16E+09	1.57E+09	2.52E+10	1.95E+11	9.03E+10	1.06E+11	44.3	14.8	5.78
1.14E+10	3.43E+09	1.41E+09	2.6E+10	2.47E+11	8.75E+10	1.26E+11	-9.62	11.8	5.56
1.72E+09	1.23E+09	2.94E+08	3.52E+09	7.52E+09	2.62E+10	1370000	0.52	13.9	276.1
9.33E+08	2.47E+08	2.89E+08	2.67E+09	7.08E+09	2E+10	2.22E+10	31.5	127	22.9
9.65E+08	4.35E+08	2.3E+08	2.58E+09	7.07E+09	1.82E+10	2.79E+10	-13.6	27.4	13.2
1.1E+09	80000000	2.16E+08	3.06E+09	7.31E+09	1.44E+10	2.46E+10	-19.5	90.6	13.7
1.25E+09	4.57E+08	2.28E+08	3.19E+09	7.17E+09	1.94E+10	2.04E+10	1.61	26.2	15
1.15E+10	7.75E+09	1.18E+09	1.96E+10	3.3E+10	2.07E+11	5940000	0.42	5.65	39.5
1.29E+10	9.77E+09	1.37E+09	2.33E+10	3.87E+10	2.43E+11	2.7E+11	-0.92	36.7	34.9
1.36E+10	9.54E+09	1.48E+09	2.5E+10	4.3E+10	2.63E+11	2.69E+11	7.97	42.5	33.3
1.44E+10	1.07E+10	1.85E+09	2.72E+10	4.58E+10	2.43E+11	2.85E+11	7.43	37.8	31.6
1.54E+10	1.06E+10	2.06E+09	2.87E+10	4.71E+10	2.84E+11	3.05E+11	-7.36	40.2	31.4
7.15E+08	2.25E+09	2.97E+08	1.65E+09	2.47E+09	1.56E+10	40200000	1.02	-2.83	5.25
8.84E+08	9.39E+08	2.16E+08	2.02E+09	3.03E+09	2.06E+10	1.75E+10	13.1	46.3	29
9.11E+08	3.75E+08	2.68E+08	2.21E+09	3.38E+09	1.36E+10	1.98E+10	15.3	14.5	29.2
8.83E+08	2.91E+08	4.28E+08	2.42E+09	3.67E+09	1.53E+10	2.23E+10	-21.1	5.26	27
1.11E+09	4.15E+08	3.93E+08	2.63E+09	3.93E+09	2.1E+10	1.92E+10	14.4	3.87	24.1
2.79E+09	9.28E+08	5.82E+08	1.07E+10	1.42E+10	7.93E+10	15600000	1.16	-48.7	-13
4.19E+09	3.25E+09	8.46E+08	1.35E+10	1.77E+10	1.17E+11	7.82E+10	28.9	18.7	19.6
3.26E+09	1.49E+09	1E+09	1.21E+10	1.64E+10	7.37E+10	1E+11	39.1	51.9	23.6
1.83E+09	4.67E+08	1.11E+09	1.06E+10	1.52E+10	4.58E+10	1.38E+11	-33	21.9	19.9
2.33E+09	-7E+08	6.65E+08	1.11E+10	1.52E+10	3.13E+10	9.4E+10	-41.1	7.27	12
0	9.46E+09	6.31E+09	3.6E+10	4.15E+10	6.78E+10	3.37E+08	1.42	48.4	11.9
0	2.16E+10	4.67E+09	5.27E+10	5.9E+10	1.46E+11	0	14.7	9.98	0
0	1.13E+10	3.75E+09	3.75E+10	4.47E+10	1.22E+11	0	45.1	20.8	0
0	8.52E+09	2.32E+09	3.76E+10	4.52E+10	1.04E+11	0	-10.2	9.85	0
0	1.43E+10	2.09E+09	4.34E+10	5.22E+10	1.74E+11	0	12.3	7.24	0

2.92E+09	1.74E+09	1.14E+08	6.98E+09	2.05E+10	1.38E+10	57800000	0.68	36.1	19.6
3.72E+09	2.37E+09	1.33E+08	7.96E+09	2.23E+10	2.48E+10	2.72E+10	-19.4	9.98	14.2
3.03E+09	1.82E+09	1.75E+08	7.39E+09	2.24E+10	2.3E+10	2.21E+10	41	13	16.6
3.74E+09	2.5E+09	2.15E+08	8.27E+09	2.46E+10	2.18E+10	2.86E+10	9.83	11.5	13.5
4.32E+09	3.11E+09	1.45E+08	9.4E+09	2.66E+10	3.27E+10	2.86E+10	6	17.3	15.2
2.1E+09	1.28E+09	4.42E+08	3.7E+09	8.15E+09	2.86E+10	21400000	0.25	-9.17	50.4
2.37E+09	1.48E+09	4.96E+08	4.05E+09	8.97E+09	3.61E+10	3.52E+10	3.64	64	25.8
2.63E+09	1.64E+09	5.2E+08	4.5E+09	1.04E+10	4.92E+10	3.57E+10	27	59.4	26.4
2.95E+09	1.86E+09	7.71E+08	5E+09	1.12E+10	3.8E+10	4.39E+10	19.7	54.3	25.2
3.45E+09	2.22E+09	6.06E+08	5.31E+09	1.12E+10	3.59E+10	5.24E+10	-19.5	50.3	26.4
2.08E+10	1.29E+10	2.46E+09	4.49E+10	1.32E+11	2.87E+11	0	1	12.2	385.4
2.59E+10	1.64E+10	2.57E+09	5.08E+10	1.51E+11	3.92E+11	2.71E+11	21.6	14061.2	15.7
2.7E+10	1.71E+10	3.12E+09	5.28E+10	1.57E+11	3.06E+11	3.12E+11	56.2	2050.3	17.1
2.49E+10	1.51E+10	3.23E+09	5.1E+10	1.53E+11	2.81E+11	4.74E+11	-23.9	0	17.2
2.53E+10	1.48E+10	3.49E+09	5.33E+10	1.6E+11	3.9E+11	3.69E+11	9.72	1162.2	16.3
1.3E+09	3.51E+08	1.68E+08	1.67E+09	8.06E+09	7.06E+09	10500000	1.08	-14.2	18
1.75E+09	9.53E+08	1.95E+08	2.16E+09	9.11E+09	1.44E+10	1.4E+10	1.82	11.8	16.1
1.77E+09	9.38E+08	1.78E+08	2.13E+09	9.45E+09	1.17E+10	1.34E+10	59.2	29.3	19.2
1.74E+09	1.1E+09	1.79E+08	2.06E+09	9.4E+09	1.07E+10	1.76E+10	-11.1	26.1	18.7
1.69E+09	6.9E+08	1.42E+08	2.06E+09	9.19E+09	1.12E+10	1.58E+10	-2.01	28.8	18.5
1.91E+09	9.56E+08	2.75E+08	3.19E+09	8.17E+09	1.28E+10	74000000	0.24	-12.9	-3.55
1.59E+09	5.77E+08	3.53E+08	2.79E+09	7.89E+09	1.33E+10	1.79E+10	11	11.7	23.4
1.55E+09	7.12E+08	5.05E+08	2.68E+09	8.33E+09	1.61E+10	1.81E+10	17.5	7	20.2
1.79E+09	-1E+08	6.01E+08	3E+09	8.21E+09	1.16E+10	1.93E+10	16.7	8.57	18.6
2.21E+09	-2.57E+08	4.29E+08	3.49E+09	8.79E+09	1.21E+10	2.16E+10	-20.2	-1.28	21.8
6.84E+09	3.56E+08	5.96E+08	9.16E+09	2.62E+10	3.74E+10	40200000	0.13	-17	5.55
6.37E+09	1.01E+09	9.05E+08	8.7E+09	2.6E+10	4.4E+10	6.83E+10	7.87	0.71	26.1
6E+09	2.36E+09	9.16E+08	8.24E+09	2.65E+10	4.77E+10	6.83E+10	3.58	2.05	24.5
6.2E+09	2.86E+09	1.01E+09	8.98E+09	2.66E+10	3.88E+10	6.59E+10	13.4	4.82	22.7
6.47E+09	2.74E+09	1.02E+09	8.98E+09	2.58E+10	4.08E+10	6.93E+10	-9.16	5.77	23.3
5.99E+09	2.59E+09	2.87E+09	3.18E+10	1.32E+11	2.49E+10	16100000	0.57	33.8	26.9
6.59E+09	1.66E+09	2.61E+09	3.13E+10	1.38E+11	2.98E+10	4.32E+10	9.56	28.6	4.52
7.56E+09	2.24E+09	3.08E+09	3.28E+10	1.48E+11	3.35E+10	4.26E+10	42.5	17.6	4.78
8.15E+09	2.16E+09	3.9E+09	3.45E+10	1.5E+11	3.23E+10	5.17E+10	-1.5	23.1	5.1
7.92E+09	2.67E+09	4.02E+09	3.46E+10	1.47E+11	4.03E+10	5.12E+10	2.53	20.1	5.43
1.25E+09	6.66E+08	1.17E+09	1.06E+09	8.68E+09	7.01E+09	37700000	1.01	-31.2	1.68
3.51E+09	1.63E+09	1.29E+09	3.2E+09	1.24E+10	1.58E+10	1.26E+10	6.33	6.96	14.4
5.8E+09	3.58E+09	1.25E+09	5.76E+09	1.91E+10	1.83E+10	1.29E+10	70.8	15.9	28.4
2.34E+09	1.16E+09	1.4E+09	2.21E+09	1.37E+10	1.11E+10	1.84E+10	11.7	31.5	30.3
1.76E+09	1.75E+08	1.25E+09	1.51E+09	1.11E+10	8.66E+09	1.87E+10	-18.6	9.82	17.1
0	7.52E+09	0	1.37E+10	1.37E+10	4.75E+10	1.27E+08	1.11	24.5	11.3
0	5.67E+09	0	2E+10	2E+10	8.93E+10	0	-6.66	5.81	0
0	6.04E+09	0	2.06E+10	2.06E+10	6.58E+10	0	34.6	10.4	0

0	5.58E+09	0	2.07E+10	2.07E+10	4.5E+10	0	-21.2	12	0
0	5.89E+09	0	2.08E+10	2.08E+10	7.55E+10	0	-1.96	11.6	0
2.18E+10	1.38E+10	2.81E+09	3.85E+10	7.4E+10	3.4E+11	20400000	0.36	14.4	31.1
2.12E+10	1.45E+10	3.09E+09	3.87E+10	7.83E+10	3.46E+11	3.34E+11	11.4	29.5	29.4
2.1E+10	1.43E+10	3.04E+09	3.76E+10	8.03E+10	3.2E+11	3.65E+11	17.6	31.1	27
2.37E+10	1.48E+10	3.21E+09	4.24E+10	8.39E+10	3.52E+11	4.19E+11	-7.35	32	26.2
2.4E+10	1.55E+10	3.5E+09	4.36E+10	8.43E+10	3.91E+11	3.87E+11	-3.31	31.8	28.3
7.72E+09	5.7E+09	2.24E+08	8.67E+09	4.26E+10	5.38E+10	46900000	0.32	50.4	37
4.77E+09	3.35E+09	2.44E+08	4.68E+09	4.77E+10	5.55E+10	4.76E+10	36.6	36.9	18.1
1.7E+09	7.22E+08	2.92E+08	1.69E+09	4.96E+10	7.59E+10	6.39E+10	3.81	19	10
5.46E+09	3.9E+09	2.52E+08	5.52E+09	6.21E+10	9.08E+10	6.52E+10	26.4	4.23	3.42
1.13E+10	8.48E+09	2.85E+08	1.14E+10	7.53E+10	1.42E+11	8.24E+10	22.8	21.6	8.79
3.43E+09	2.03E+09	3.04E+08	8.68E+09	1.84E+10	5.59E+10	15600000	1.2	8.99	69
3.23E+09	1.86E+09	3.72E+08	8.54E+09	1.99E+10	8.28E+10	6.39E+10	25.9	52.5	18.7
3.58E+09	2.02E+09	6.45E+08	9.33E+09	2.21E+10	5.83E+10	6.92E+10	43.8	61.7	16.2
4.25E+09	2.39E+09	8.88E+08	1.08E+10	2.31E+10	6.03E+10	1.03E+11	-32.6	72.9	16.2
4.4E+09	2.68E+09	1.07E+09	1.12E+10	2.31E+10	9.08E+10	7.34E+10	31.4	70.1	18.4
9.14E+09	3.12E+09	7.52E+09	9.9E+09	2.04E+10	6.07E+10	30200000	0.41	17.4	11.9
8.24E+09	2.39E+09	7.59E+09	1.02E+10	2.31E+10	6.6E+10	1.16E+11	-3.56	9.56	44.9
1.01E+10	3.52E+09	7.92E+09	1.06E+10	2.93E+10	7.22E+10	1.18E+11	11.6	7.05	35.7
1.14E+10	3.98E+09	9.1E+09	1.17E+10	2.53E+10	7.28E+10	1.3E+11	4.13	10.2	34.5
1.29E+10	4.4E+09	8.96E+09	1.33E+10	2.67E+10	9.78E+10	1.37E+11	-1.81	11	45.2
1.45E+09	90000000	5.68E+08	7.6E+09	3.21E+10	6.09E+10	6170000	0.92	28.8	62
5.62E+09	3.28E+09	1.05E+09	1.38E+10	4.86E+10	7.88E+10	8.29E+10	11.8	1.53	4.52
5.75E+09	3.5E+09	1.46E+09	1.38E+10	4.99E+10	8.42E+10	8.71E+10	11.2	55.5	11.6
6.76E+09	4.47E+09	1.72E+09	1.63E+10	5.42E+10	1.01E+11	9.66E+10	4.85	56.6	11.5
7.41E+09	4.86E+09	1.92E+09	1.72E+10	5.64E+10	1.27E+11	1.01E+11	17.9	65.5	12.5
1.67E+08	2.42E+08	74100000	6.57E+08	8.36E+08	2.66E+10	5840000	1.38	63.3	15.4
1.62E+08	1.38E+08	54800000	9.75E+08	1.2E+09	3.59E+10	1.16E+10	208.3	29.8	20
1.61E+08	53400000	84200000	1.3E+09	1.58E+09	2.62E+10	3.74E+10	14.4	10.8	13.5
2.67E+08	1.79E+08	46800000	1.58E+09	1.95E+09	3.33E+10	4.35E+10	-51.1	2.93	10.2
4.99E+08	3.93E+08	98200000	1.97E+09	2.44E+09	6.02E+10	2.09E+10	60.5	8.36	13.7
4.37E+09	2.7E+09	0	8.09E+09	3.2E+10	3.06E+10	1.25E+08	0.52	26.5	18.9
5.67E+09	3.66E+09	0	9.48E+09	3.48E+10	3.96E+10	4.18E+10	2.5	9.78	13.6
4.53E+09	2.84E+09	0	8.52E+09	3.69E+10	4.26E+10	4.24E+10	11.4	12.6	16.3
4.47E+09	2.99E+09	0	8.92E+09	4.14E+10	3.78E+10	4.5E+10	19.9	11.3	12.3
7.29E+09	5E+09	0	1.24E+10	4.64E+10	5.68E+10	5.05E+10	1.6	12.9	10.8
6.51E+09	-5E+09	3.44E+09	1.81E+10	6.08E+10	2.19E+11	55800000	1.54	23.3	5.91
1.06E+10	3.08E+09	3.8E+09	2.51E+10	7.3E+10	3.07E+11	3.16E+11	25.3	-4.54	10.7
1.19E+10	3.32E+09	5.14E+09	2.82E+10	8.44E+10	1.93E+11	3.86E+11	-14.5	3.68	14.5
1.56E+10	2.99E+09	5.09E+09	3.05E+10	8.89E+10	1.48E+11	3.38E+11	-43.9	3.5	14.1
1.84E+10	5.62E+09	6.58E+09	3.4E+10	9.25E+10	1.73E+11	2.12E+11	3.92	3.9	17.5
4.28E+09	2.11E+08	1.28E+09	4.79E+09	7.72E+09	2.33E+10	10100000	0.67	55.4	15.8

4.48E+09	1.52E+09	1.25E+09	5.2E+09	1.08E+10	3.41E+10	5.42E+10	-15.5	1.28	55.4
5.04E+09	2.05E+09	2.28E+09	6.08E+09	1.14E+10	3.98E+10	4.95E+10	29.9	10.9	41.6
6.29E+09	3.18E+09	2.57E+09	5.93E+09	9.95E+09	4.16E+10	5.65E+10	26.3	15	44.4
5.59E+09	2.23E+09	2.68E+09	6.46E+09	1.08E+10	6.4E+10	6.53E+10	5.87	23.5	63.2
1.02E+10	6.38E+09	1.47E+09	1.6E+10	3.22E+10	1.88E+11	1.31E+08	0.78	-1.99	13.1
1.3E+10	7.73E+09	2.52E+09	1.96E+10	3.92E+10	2.49E+11	1.47E+11	43.4	19.9	31.6
1.19E+10	6.95E+09	2.24E+09	1.9E+10	4.49E+10	1.99E+11	1.98E+11	43.3	20.5	33.1
1.09E+10	6E+09	1.48E+09	1.72E+10	4.29E+10	1.7E+11	2.73E+11	-17.5	16.4	26.6
1.08E+10	6.34E+09	1.4E+09	1.77E+10	4.29E+10	2.1E+11	2.43E+11	-3.61	13.1	25.4
1.29E+09	7.49E+08	2.94E+08	3.76E+09	1.06E+10	1.55E+10	4330000	0.72	23.4	49.8
1.58E+09	9.97E+08	6.28E+08	4.48E+09	1.27E+10	2.48E+10	1.39E+10	50.4	42.9	12.1
1.78E+09	1.09E+09	7.73E+08	4.97E+09	1.42E+10	2.48E+10	1.87E+10	69.7	50.8	12.4
1.87E+09	1.11E+09	7.54E+08	5.23E+09	1.46E+10	2.08E+10	2.99E+10	-5.71	53.8	12.5
1.91E+09	1.1E+09	7.84E+08	5.4E+09	1.49E+10	2.89E+10	2.87E+10	-4.42	52.8	12.9
1.76E+09	8.55E+08	1.46E+08	3.8E+09	1.25E+10	3.19E+10	33100000	1.12	51.4	36
2.28E+09	1.42E+09	2.23E+08	4.47E+09	1.41E+10	4.3E+10	3.7E+10	9.21	14.4	14.1
2.64E+09	1.76E+09	2.92E+08	4.96E+09	1.6E+10	3.73E+10	3.74E+10	39.2	22.9	16.1
3.14E+09	2.02E+09	3.01E+08	5.86E+09	1.77E+10	4.3E+10	5.01E+10	-16.8	29	16.5
3.8E+09	2.57E+09	3.71E+08	7.08E+09	1.98E+10	8.45E+10	4.25E+10	45.1	31.5	17.7
1.89E+09	4.45E+08	1.09E+08	2.45E+09	4.75E+09	2.59E+10	-5E+07	1	25.3	0
2.16E+09	7.93E+08	99000000	2.66E+09	4.88E+09	3.44E+10	4.56E+10	10.5	0	39.8
2.59E+09	9.31E+08	1.25E+08	3.23E+09	5.63E+09	3.15E+10	4.95E+10	2.82	0	44.2
3.41E+09	1.45E+09	1.44E+08	4.09E+09	6.98E+09	4.52E+10	5.07E+10	-1.04	0	46
4.12E+09	1.83E+09	1.71E+08	4.89E+09	8.16E+09	7.46E+10	5.1E+10	60.7	0	48.9
6.66E+08	3.9E+08	56800000	1.85E+09	3.15E+09	1.2E+10	24500000	1.66	32.8	29.4
7.51E+08	4.93E+08	46100000	2.12E+09	3.66E+09	2.2E+10	1.21E+10	60.2	11.6	21.1
7.13E+08	4.5E+08	43200000	2.19E+09	3.68E+09	1.49E+10	1.83E+10	30.6	13.1	20.5
7.45E+08	3.11E+08	42000000	2.44E+09	3.8E+09	1.15E+10	2.28E+10	-42	11.3	19.4
7.12E+08	1.5E+09	33600000	2.49E+09	3.68E+09	1.5E+10	1.39E+10	5.22	7.28	19.6
0	4.48E+09	3.25E+09	2.04E+10	2.04E+10	5.68E+10	44400000	0.86	17.5	-0.07
0	6.44E+09	1.64E+09	2.31E+10	2.31E+10	8.47E+10	0	-14.9	6.54	0
0	6.26E+09	4.67E+09	1.92E+10	1.92E+10	5.98E+10	0	22.2	9.18	0
0	-1.09E+09	17000000	1.79E+10	1.79E+10	3.76E+10	0	-26.5	8.9	0
0	4.82E+09	0	1.14E+10	1.14E+10	5.75E+10	0	-14.2	-2.51	0
2.21E+08	1.95E+08	22700000	5.43E+08	1.12E+09	1.55E+10	77500000	0.89	37.9	8.32
2.68E+08	1.62E+08	33900000	7.1E+08	1.59E+09	2.22E+10	1.15E+10	45.5	10.8	19.8
3.13E+08	1.64E+08	22500000	7.84E+08	1.85E+09	1.38E+10	1.7E+10	23.2	7.49	16.9
3.23E+08	1.66E+08	20500000	8.61E+08	1.95E+09	1.55E+10	2.32E+10	-40.1	6.64	16.9
4.15E+08	2.63E+08	20500000	9.36E+08	2.14E+09	2.63E+10	1.43E+10	29.7	5.97	16.5
4.8E+09	2.02E+09	1.18E+09	5.61E+09	4.28E+10	2.08E+10	51200000	0.56	6.87	5.82
6.43E+09	3.7E+09	1.33E+09	7.42E+09	4.95E+10	2.92E+10	4.48E+10	-29.2	13.4	11.2
4.62E+09	2.43E+09	2.07E+09	5.57E+09	5.36E+10	2.47E+10	3.4E+10	35.3	21.6	13
2.09E+09	-8.57E+08	1.7E+09	2.94E+09	5.29E+10	1.65E+10	3.9E+10	-28.6	12.7	8.63

3.4E+09	1.05E+09	1.05E+09	4.2E+09	5.36E+10	2.09E+10	3.01E+10	-13.7	-4.49	3.94
0	4.96E+09	0	1.92E+10	1.92E+10	5.87E+10	33600000	1.08	10.5	11
0	7.96E+09	0	2.39E+10	2.39E+10	8.95E+10	0	-21.4	9.39	0
0	5.83E+09	0	2.22E+10	2.22E+10	6.37E+10	0	20.6	14.6	0
0	5.43E+09	0	2.57E+10	2.57E+10	4.87E+10	0	-22.4	11	0
0	6.3E+09	0	2.51E+10	2.51E+10	7.6E+10	0	-0.76	10.2	0
7.66E+08	64300000	11000000	8.5E+08	1.26E+09	9.2E+09	10100000	0.86	13.4	2.04
7.69E+08	1.5E+08	10100000	8.6E+08	1.31E+09	1.72E+10	1.89E+10	-17.7	1.62	60.8
9.16E+08	86900000	21200000	1.01E+09	1.52E+09	1.29E+10	1.73E+10	56.1	3.62	58.8
1E+09	4.44E+08	16900000	1.11E+09	1.66E+09	1.04E+10	2.55E+10	-35.4	1.91	60.2
1E+09	89600000	21800000	1.13E+09	1.7E+09	1.44E+10	1.94E+10	-1.14	9.6	60.6
-3.93E+09	-6.77E+09	6.16E+08	4.34E+09	1.11E+10	5.86E+10	7740000	1.48	-2.03	56
-2.93E+09	-5E+08	2.98E+08	6.23E+09	1.75E+10	8.57E+10	4.68E+10	71.5	-46.9	-35.2
-8.85E+08	-9.14E+09	2.52E+08	9.81E+09	3.19E+10	5.44E+10	9.4E+10	-17.8	-3.92	-16.8
1.93E+09	1.89E+09	2.23E+08	1.21E+10	3.73E+10	8.73E+10	8.67E+10	-41	-76.6	-2.78
3.54E+09	9.86E+09	2.42E+08	1.46E+10	4.4E+10	1.67E+11	5.47E+10	149	20.4	5.19
6.48E+08	1.76E+08	1.52E+08	2.33E+09	6.15E+09	1.16E+10	46600000	1.07	-11.2	50.4
1.57E+09	9.86E+08	1.72E+08	3.76E+09	8.63E+09	2E+10	1.62E+10	13.4	9.01	10.5
1.88E+09	1.24E+09	3.12E+08	4.45E+09	1.02E+10	2.13E+10	1.75E+10	43.6	55.8	18.1
1.92E+09	1.29E+09	4.35E+08	4.81E+09	1.12E+10	1.87E+10	2.36E+10	13.8	71.1	18.4
1.83E+09	1.2E+09	3.75E+08	4.83E+09	1.13E+10	1.77E+10	2.55E+10	4.46	60.9	17.1
1.01E+10	5.35E+09	2.93E+09	1.14E+10	1.95E+10	1.19E+11	27900000	1.07	-7.16	42.6
1.16E+10	6.52E+09	2.94E+09	1.27E+10	2.18E+10	1.55E+11	1.52E+11	15.2	30.5	51.6
1.22E+10	7E+09	3.62E+09	1.35E+10	2.49E+10	1.28E+11	1.67E+11	21	41.9	53.1
1.15E+10	6.38E+09	3.61E+09	1.29E+10	2.41E+10	1.25E+11	1.92E+11	-17.8	53.2	49.2
1.22E+10	6.75E+09	3.45E+09	1.35E+10	2.43E+10	1.41E+11	1.67E+11	18.6	47.3	47.5
-6.59E+09	-7.07E+09	1.73E+09	-2.47E+09	1.54E+10	9.85E+09	37800000	1.46	135.3	28.6
-2E+09	-2E+09	2.11E+09	3.27E+09	2.46E+10	1.49E+10	3.73E+10	-50.9	-80.8	-42.9
4.86E+09	7.37E+08	4.82E+09	1.32E+10	4.5E+10	1.43E+10	3.27E+10	1.23	-35.7	-8.23
7.79E+09	2.62E+09	7.17E+09	1.8E+10	5.37E+10	1.14E+10	3.6E+10	-13.9	12.4	10.8
8.09E+09	3.15E+09	5.62E+09	1.95E+10	5.71E+10	2.64E+10	3.2E+10	9.44	32.3	14.5
1.04E+10	1.34E+09	5.41E+09	1.8E+10	8.46E+10	1.36E+11	20700000	1.08	-19.8	34
1.58E+10	1.29E+10	4.19E+09	2.33E+10	9.73E+10	1.86E+11	1.22E+11	43.9	68	12.2
1.75E+10	1.15E+10	4.77E+09	2.52E+10	1E+11	1.45E+11	1.65E+11	27.3	172.6	16.3
1.28E+10	6.71E+09	5.16E+09	2.05E+10	9.1E+10	1.19E+11	2.01E+11	-18.9	67.8	17.4
1.16E+10	5.78E+09	3.91E+09	1.94E+10	9.11E+10	1.15E+11	1.63E+11	-9.55	36.1	14.1
2.25E+09	8.9E+08	3E+08	3.23E+09	8.53E+09	1.29E+10	1.34E+08	1.73	22.8	30.7
2.69E+09	1.39E+09	2.23E+09	3.89E+09	9.72E+09	2.74E+10	2.48E+10	39.1	21.3	26.4
3.62E+09	2.11E+09	2.73E+09	5.02E+09	1.16E+10	2.15E+10	2.73E+10	43.3	26.3	27.7
4.39E+09	2.42E+09	2.5E+09	5.92E+09	1.43E+10	2.79E+10	3.47E+10	6.96	32.3	31.1
4.57E+09	2.58E+09	2.61E+09	6.21E+09	1.53E+10	5.33E+10	3.51E+10	61.3	31.9	30.7
2.45E+10	1.54E+10	2.05E+09	6.7E+10	2.57E+11	2.9E+11	1.07E+08	0.48	-3.91	15.1
2.62E+10	1.73E+10	2.45E+09	6.97E+10	2.88E+11	4.34E+11	3.16E+11	19.3	23.8	9.53

3.08E+10	2.01E+10	2.8E+09	7.96E+10	3.24E+11	5.16E+11	3.64E+11	43.2	24.1	9.1
3.51E+10	2.24E+10	3.39E+09	9.1E+10	3.72E+11	4.91E+11	5.03E+11	5.58	25.4	9.51
3.5E+10	1.44E+10	3.5E+09	8.94E+10	4E+11	5.2E+11	5.13E+11	-0.7	25	9.45
1.87E+09	9.44E+08	7.31E+08	4.66E+09	1.16E+10	9.31E+09	1.06E+08	1.31	17.7	17.9
1.93E+09	9.92E+08	8.56E+08	5.05E+09	1.26E+10	1.03E+10	1.69E+10	-4.15	15.9	16.2
1.64E+09	6.76E+08	7.34E+08	5.16E+09	1.34E+10	8.54E+09	1.46E+10	-5.7	15.7	15.2
1.74E+09	7.18E+08	7.43E+08	5.64E+09	1.43E+10	8.59E+09	1.44E+10	8.66	10.8	12.3
2.27E+09	1.14E+09	9.44E+08	6.72E+09	1.58E+10	1.38E+10	1.52E+10	8.2	11.8	12.2
9.08E+08	8.92E+08	0	1.2E+09	1.23E+09	1.23E+10	25500000	0.74	-8.38	10.3
1.44E+09	1.01E+09	0	1.48E+09	1.51E+09	1.85E+10	1.57E+10	-0.2	10.2	74.1
1.67E+09	1.12E+09	0	2.62E+09	2.66E+09	3.09E+10	2.08E+10	18.1	9.44	95.2
3.34E+09	2.51E+09	0	3.58E+09	3.61E+09	2.81E+10	2.33E+10	7.61	6.59	62.9
3.54E+09	2.68E+09	0	3.82E+09	3.85E+09	3.39E+10	4.56E+10	-1.6	10.7	92.5
8.04E+08	-1.42E+09	1.79E+09	1.56E+09	6.01E+10	1.57E+10	77400000	1.03	-5.7	10.7
4.58E+09	9.3E+08	1.67E+09	5.49E+09	1.08E+11	3.16E+10	4.77E+10	-39.6	-5.25	1.34
1.82E+10	1.15E+10	1.68E+09	1.92E+10	1.71E+11	4.86E+10	3.62E+10	32.8	6.53	4.23
1.47E+10	8.84E+09	9.11E+08	1.56E+10	1.39E+11	4.23E+10	4.26E+10	68.9	52.5	10.6
6.62E+09	2.77E+09	9.07E+08	7.53E+09	1.24E+11	4.08E+10	5.83E+10	2.48	33.9	10.5
1.68E+09	4.39E+08	1.48E+08	1.83E+09	3.79E+09	1.47E+10	22900000	0.91	18.2	0.84
1.54E+09	49000000	1.85E+08	1.74E+09	3.82E+09	2.1E+10	3.41E+10	-15.1	4.14	44.2
1.66E+09	-47400000	2.22E+08	1.85E+09	4.15E+09	1.59E+10	3.04E+10	4.24	0.52	40.3
1.74E+09	-41000000	2.59E+08	1.93E+09	4.47E+09	1.67E+10	3.29E+10	-11.9	-0.38	39.9
1.88E+09	81200000	2.82E+08	2.06E+09	4.89E+09	2.79E+10	3.06E+10	10.6	-0.3	38.9
1.08E+09	7.24E+08	36000000	2.51E+09	4.35E+09	0	8390000	1.14	23.8	48.5
1.15E+09	8.61E+08	54000000	2.71E+09	4.7E+09	0	0	0	0	24.8
1.21E+09	8.45E+08	34000000	2.76E+09	4.87E+09	0	0	0	0	24.4
1.24E+09	8.39E+08	54000000	2.9E+09	5.02E+09	1.68E+10	0	0	26.2	24.9
1.29E+09	8.33E+08	55000000	3.11E+09	5.19E+09	2.55E+10	0	0	36.3	24.7
8.71E+08	8.15E+08	43400000	1.08E+09	1.27E+09	2.18E+10	0	0.79	0.49	0
9.15E+08	7.85E+08	53000000	1.14E+09	1.33E+09	2.47E+10	2.32E+10	12.3	0	68.8
9.9E+08	6.74E+08	27400000	1.22E+09	1.42E+09	2.16E+10	2.53E+10	17.3	0	68.9
1.04E+09	8.18E+08	45800000	1.3E+09	1.49E+09	2.02E+10	2.88E+10	-19.1	0	69.5
1.1E+09	7.86E+08	28100000	1.37E+09	1.56E+09	1.7E+10	2.26E+10	0.25	0	70
1.2E+09	7.13E+08	2.47E+08	1.48E+09	2.27E+09	2.89E+10	2630000	0.86	15.3	445.1
1.19E+09	6.66E+08	2.68E+08	1.61E+09	2.46E+09	3.39E+10	2.71E+10	39	26.4	52.7
1.63E+09	9.54E+08	2.75E+08	1.67E+09	2.5E+09	2.84E+10	3.7E+10	10.2	21.9	48.2
1.25E+09	6.15E+08	2.3E+08	1.8E+09	2.68E+09	3.26E+10	4E+10	-22.9	45.2	65.3
1.37E+09	9.58E+08	2.24E+08	1.98E+09	2.88E+09	3.89E+10	3.1E+10	35.4	73.5	46.6
4.81E+10	1.78E+10	1.82E+10	7.71E+10	1.28E+11	2.36E+11	23300000	0.37	6.07	18.5
5.29E+10	2.21E+10	2.03E+10	7.73E+10	1.34E+11	2.19E+11	3.84E+11	-4.32	27.8	37.5
4.79E+10	2.13E+10	2.31E+10	7.77E+10	1.37E+11	1.58E+11	3.74E+11	-11.6	29.7	39.6
4.79E+10	1.16E+10	1.88E+10	7.92E+10	1.34E+11	1.46E+11	3.88E+11	-24.2	24.8	35
4.88E+10	1.75E+10	1.71E+10	8.09E+10	1.35E+11	1.74E+11	3.43E+11	-4.31	13	35.7



3.16E+09	2.71E+09	2.6E+08	3.82E+09	6.21E+09	5.42E+10	63400000	0.43	-1.03	-3.15
4.02E+09	2.34E+09	2.35E+08	4.73E+09	7.57E+09	4.8E+10	5.3E+10	7.94	36.7	51
4.53E+09	3.32E+09	2.05E+08	5.32E+09	8.93E+09	8.06E+10	5.59E+10	-7.08	24.9	53
4.48E+09	3.62E+09	2E+08	5.44E+09	9.87E+09	9.23E+10	4.97E+10	31.5	27.7	50.7
4.58E+09	-5.36E+08	2.98E+08	5.86E+09	1.1E+10	1.23E+11	6.52E+10	40.9	23	45.4
3.26E+09	-6.7E+08	2.43E+08	4.56E+09	1.19E+10	7.52E+09	16800000	0.89	15	-3.24
5.5E+09	-1.27E+09	4.57E+08	6.01E+09	1.79E+10	1.61E+10	2.32E+10	-6.77	-3.85	27.3
5.6E+09	2.08E+09	4.06E+08	6.93E+09	1.63E+10	1.22E+10	3.43E+10	-27.8	-5.84	30.8
4.83E+09	54700000	3.77E+08	6.73E+09	1.54E+10	1.06E+10	3.93E+10	-17.7	10	34.4
4.48E+09	-6.34E+08	3.26E+08	6.14E+09	1.47E+10	1.42E+10	3.3E+10	-2.7	0.26	31.3
1.47E+10	1.07E+10	7.05E+08	2.08E+10	2.15E+10	3.83E+11	19500000	0.9	21.4	51.2
1.77E+10	1.31E+10	7.18E+08	2.47E+10	2.55E+10	4.45E+11	4.12E+11	16.4	29.4	68.6
2.11E+10	1.52E+10	1.05E+09	2.95E+10	3.02E+10	4.31E+11	4.74E+11	-0.92	35.6	69.6
2.34E+10	1.8E+10	1.08E+09	3.26E+10	3.34E+10	4.7E+11	4.6E+11	-4.13	41.5	70
2.56E+10	2E+10	1.34E+09	3.6E+10	3.68E+10	5.52E+11	4.33E+11	25.3	46.9	70.2
3.89E+09	6.36E+08	1.26E+09	4.65E+09	1.14E+10	8.49E+09	12700000	1.34	257.9	51.6
5.62E+08	-1.27E+09	1.03E+09	1.35E+09	1.21E+10	9.45E+09	2.22E+10	-14.5	7.65	34
9.09E+08	-1.23E+09	1.3E+09	1.68E+09	1.37E+10	9.57E+09	1.98E+10	15.8	-15.2	4.65
4.64E+09	1.49E+09	1.68E+09	5.52E+09	1.48E+10	1.2E+10	2.25E+10	1.89	-18.3	6.62
6.77E+09	2.66E+09	2.08E+09	7.53E+09	1.72E+10	4.26E+10	2.36E+10	66	29.1	31.4
1.29E+09	5.85E+08	3.62E+08	1.28E+09	4.86E+09	1.92E+10	60800000	0.92	13.3	11.8
1.35E+09	6.71E+08	4.51E+08	1.37E+09	5.55E+09	2.52E+10	2.22E+10	3	10.1	26.5
1.6E+09	5.76E+08	6.13E+08	1.56E+09	7.32E+09	2.2E+10	2.23E+10	40	10.7	24.4
2E+09	9.33E+08	8.73E+08	1.95E+09	7.78E+09	2.6E+10	3.21E+10	-15.6	8.8	21.8
2.05E+09	9.12E+08	6.04E+08	2E+09	7.42E+09	3.65E+10	2.8E+10	29.6	13.1	25.7
9.91E+08	5.31E+08	38200000	3.25E+09	8.1E+09	1.07E+10	22300000	0.42	24.1	22.1
1.55E+09	1.02E+09	66600000	4.03E+09	9.46E+09	1.41E+10	1.45E+10	-3.88	8.57	12.2
1.86E+09	1.38E+09	52700000	4.81E+09	1.12E+10	1.94E+10	1.26E+10	24	15.9	16.3
1.97E+09	1.38E+09	53100000	5.25E+09	1.21E+10	1.72E+10	1.6E+10	32.1	20.6	16.6
2.4E+09	1.76E+09	1.06E+08	5.99E+09	1.36E+10	2.21E+10	2.12E+10	-2.55	19.4	16.3
1.41E+09	6.95E+08	1.97E+08	4.24E+09	1.18E+10	1.88E+10	76700000	1.17	27.2	55.7
1.76E+09	1.04E+09	2.55E+08	4.72E+09	1.3E+10	2.41E+10	2.06E+10	20.6	36.4	12
2.44E+09	1.55E+09	2.56E+08	5.85E+09	1.52E+10	2.93E+10	2.37E+10	26.9	52.4	13.5
2.82E+09	1.83E+09	4.45E+08	6.5E+09	1.65E+10	3.6E+10	2.9E+10	7.33	65.9	16
2.91E+09	1.91E+09	5.41E+08	6.76E+09	1.72E+10	5.37E+10	3.08E+10	49	61.6	17.1
2.72E+09	1.2E+09	2.24E+09	2.9E+09	7.24E+09	3.17E+10	39700000	0.45	11.7	12.2
2.86E+09	1.3E+09	2.25E+09	3E+09	8.32E+09	2.84E+10	4.15E+10	-0.22	11.5	37.6
2.94E+09	1.41E+09	2.31E+09	3.31E+09	9.6E+09	2.89E+10	4.22E+10	5.48	11.9	34.4
3.25E+09	1.33E+09	2.49E+09	3.61E+09	8.89E+09	2.57E+10	4.55E+10	-3.41	12.4	30.7
3.44E+09	1.53E+09	2.78E+09	3.79E+09	8.6E+09	3.04E+10	4.61E+10	-10.2	11.2	36.6
3.37E+10	1.35E+10	1.03E+10	1.39E+11	5.59E+11	3.93E+11	10100000	0.67	71.9	21.4
3.66E+10	1.37E+10	1.31E+10	1.44E+11	5.73E+11	4.17E+11	4.12E+11	21.3	16.2	6.03
3.55E+10	1.17E+10	1.69E+10	1.48E+11	6.11E+11	3.87E+11	4.69E+11	0.38	15.5	6.39

3.89E+10	1.55E+10	2.06E+10	1.58E+11	6.48E+11	4.39E+11	4.52E+11	-2	12.8	5.8
4.22E+10	1.94E+10	2.38E+10	1.69E+11	6.81E+11	6.54E+11	4.47E+11	11.2	18.6	6
4.14E+09	1.22E+09	4.02E+08	6.86E+09	1.07E+10	1.3E+10	14500000	1.74	-7.12	-28.2
3.66E+09	1.01E+09	3.73E+08	7.58E+09	1.22E+10	1.53E+10	3.94E+10	-8.09	11.1	38.8
4.94E+09	-7.37E+09	9.87E+08	1.34E+10	3.38E+10	3.14E+10	3.44E+10	-21.8	9.29	30
7.41E+09	-3.13E+09	1.32E+09	1.7E+10	4.13E+10	2.4E+10	2.84E+10	-59.7	-23.5	14.6
7.67E+09	-1.13E+10	9.48E+08	1.67E+10	3.93E+10	1.91E+10	7.56E+10	20	-6.47	17.9
4.15E+09	1.5E+09	1.63E+09	5.88E+09	1.52E+10	4.56E+10	21000000	0.64	12.7	36.2
4.96E+09	1.82E+09	1.9E+09	6.82E+09	1.79E+10	6.7E+10	5.93E+10	3.48	20.6	27.3
5.47E+09	2.24E+09	2.59E+09	7.4E+09	1.97E+10	6.48E+10	5.96E+10	41.5	24.9	27.6
5.89E+09	2.3E+09	2.9E+09	7.82E+09	2.04E+10	6.56E+10	8.28E+10	-6	32	27.7
6.58E+09	2.75E+09	3.23E+09	8.68E+09	2.21E+10	8.62E+10	7.83E+10	14.2	33.1	28.9
7.78E+08	5.22E+08	1.72E+08	1.36E+09	2.37E+09	1.38E+10	31000000	1.04	12.7	42.8
9.58E+08	6.93E+08	1.61E+08	1.63E+09	2.79E+09	2.26E+10	1.61E+10	5.89	6575.9	32.9
1.01E+09	7.08E+08	1.76E+08	1.72E+09	2.97E+09	1.81E+10	1.66E+10	50.6	231.1	34.4
1.04E+09	6.42E+08	1.61E+08	1.76E+09	2.96E+09	1.4E+10	2.38E+10	-8.06	162.3	34.1
1.03E+09	6.38E+08	1.43E+08	1.76E+09	2.96E+09	1.94E+10	2.15E+10	-3.9	77.6	35.2
0	3.38E+09	0	6.02E+10	6.02E+10	8.86E+10	49900000	1.24	42.7	10.8
0	2.21E+10	0	8.33E+10	8.33E+10	2.04E+11	0	-43.9	1.96	0
0	1.37E+10	0	7.28E+10	7.28E+10	1.76E+11	0	59	12.7	0
0	1.91E+10	0	7.72E+10	7.72E+10	1.43E+11	0	-13.9	7.19	0
0	1.97E+10	0	7.8E+10	7.8E+10	2.19E+11	0	19.2	10.3	0
1.92E+09	9.79E+08	0	2.04E+09	4.59E+09	2.24E+10	53300000	0.91	39.8	3.3
1.94E+09	3.36E+08	0	2.05E+09	4.74E+09	3.4E+10	4.85E+10	-21	6.07	41.9
2.11E+09	1.41E+08	0	2.23E+09	5.8E+09	2.85E+10	4.08E+10	32.7	2.07	41
2.48E+09	3.4E+08	0	2.61E+09	6.57E+09	4.36E+10	5.26E+10	-23.6	0.8	36.4
2.96E+09	9.52E+08	0	3.15E+09	7.99E+09	8.62E+10	4.75E+10	37.6	1.5	37.7
5.32E+08	3.46E+08	1.74E+08	7.68E+08	2.15E+09	2.01E+10	38300000	1.07	-6.97	17.7
8.91E+08	6.62E+08	2.53E+08	1.18E+09	2.83E+09	3.18E+10	1.1E+10	88.5	20.2	24.8
8.84E+08	5.86E+08	2.85E+08	1.14E+09	2.89E+09	1.67E+10	2.08E+10	65.5	31.6	31.5
8.44E+08	5.93E+08	3.62E+08	1.13E+09	2.95E+09	2.37E+10	3.44E+10	-49.8	23.3	30.6
7.49E+08	4.93E+08	3.77E+08	9.99E+08	2.89E+09	2.27E+10	1.7E+10	49.6	21.3	28.6
2.22E+09	1.67E+08	9.18E+08	4.01E+09	1.63E+10	1.15E+10	32300000	1.83	13.9	2.85
3.39E+09	1.99E+09	1.12E+09	5.84E+09	1.89E+10	1.63E+10	2.61E+10	-12.7	1.74	13.6
1.94E+09	-78000000	1.15E+09	4.34E+09	1.58E+10	1.13E+10	2.36E+10	17.7	18.2	17.9
-5.67E+08	-2.25E+09	5.17E+08	9.35E+08	8.04E+09	1.35E+10	2.59E+10	-51.6	-0.65	12.3
1.86E+09	1.26E+09	4.25E+08	4.06E+09	1.51E+10	2.32E+10	1.53E+10	66	-15.5	-7.06
1.26E+09	4.14E+08	1.36E+08	2.18E+09	7.56E+09	1.13E+10	58800000	1.1	49.4	10.3
1.32E+09	5.58E+08	1.3E+08	2.37E+09	7.82E+09	1.7E+10	1.94E+10	-5.91	4.09	16.6
1.48E+09	6.33E+08	1.49E+08	2.58E+09	8.36E+09	1.7E+10	1.79E+10	25.8	5.54	16.9
1.78E+09	8.15E+08	1.86E+08	2.98E+09	9.68E+09	1.89E+10	2.12E+10	8.36	6.29	17.7
2.12E+09	1.06E+09	2.07E+08	3.4E+09	1.04E+10	3.25E+10	2.21E+10	27.1	7.98	18.4
2.05E+09	7.97E+08	4.81E+08	2.09E+09	7.53E+09	2.04E+10	13500000	1.06	-19	3.97

4.02E+09	2.61E+09	2.04E+08	4.1E+09	1.02E+10	2.68E+10	2.91E+10	11	9.43	27.2
3.53E+09	1.88E+09	3.48E+08	3.62E+09	1.02E+10	2.29E+10	3.02E+10	22.8	26.7	39.4
1.57E+09	8.39E+08	2.9E+08	1.68E+09	7.67E+09	2.08E+10	3.38E+10	-24.7	17.5	34.6
1.17E+09	3.96E+08	3.03E+08	1.31E+09	7.12E+09	2.3E+10	2.6E+10	12.2	8	20.4
1.13E+09	6.81E+08	1.7E+08	2.64E+09	6.78E+09	7.1E+09	16100000	1.55	83.5	52.7
1.65E+09	1.13E+09	2.27E+08	3.63E+09	8.25E+09	1.38E+10	7.29E+09	38.7	47.2	16.6
1.73E+09	1.13E+09	3.54E+08	3.68E+09	8.67E+09	8.19E+09	8.57E+09	66.1	67.9	20
1.49E+09	9.5E+08	1.89E+08	3.3E+09	7.75E+09	9.51E+09	1.3E+10	-32.1	67	19.9
1.66E+09	1.13E+09	2.22E+08	3.58E+09	7.71E+09	1.67E+10	8.97E+09	75.6	49.6	19.2
2.15E+09	9.96E+08	2.23E+08	3.76E+09	8.62E+09	2.35E+10	78600000	0.74	29.9	-1
2.4E+09	4.22E+09	1.48E+08	4.05E+09	9E+09	3.02E+10	3.22E+10	4.33	7.16	24.9
2.38E+09	1.01E+09	1.38E+08	4.07E+09	8.87E+09	2.4E+10	3.23E+10	12.7	17.8	26.7
2.44E+09	1.06E+09	1.53E+08	4.25E+09	9.48E+09	2.4E+10	3.31E+10	2.99	9.09	26.8
2.66E+09	-98000000	1.36E+08	4.49E+09	9.93E+09	2.98E+10	3.05E+10	-1.38	10.8	25.8
45100000	-2.82E+08	2.53E+08	3.12E+09	4.32E+09	4.98E+10	26500000	1.1	-6.53	6.15
2.28E+08	29000000	2.64E+08	3.71E+09	5.14E+09	7.19E+10	3.73E+10	45.7	-9.8	1.04
1.82E+08	-3.67E+08	3.64E+08	4.51E+09	6.22E+09	4.04E+10	5.7E+10	14	0.74	4.44
4.65E+08	1.38E+09	2.32E+08	5.49E+09	7.26E+09	5.43E+10	6.69E+10	-38.7	-7.25	2.93
8.25E+08	5.26E+08	2.69E+08	6.38E+09	8.45E+09	6.29E+10	4.08E+10	65	20.2	6.41
-5.2E+08	-2.07E+09	2.9E+08	8.8E+08	2.1E+09	7.76E+09	1410000	1.31	-5.43	0
3.18E+08	-7.56E+08	2.91E+08	2.04E+09	3.76E+09	1.03E+10	2.26E+10	-18.8	-578.7	-24.8
4.44E+08	-4.24E+08	3E+08	1.89E+09	3.76E+09	6.58E+09	2.1E+10	-24.6	0	8.44
1.73E+09	7.3E+08	4.43E+08	4.39E+09	6.53E+09	9.96E+09	1.86E+10	-3.02	0	11.8
1.8E+09	5.01E+08	4.2E+08	4.93E+09	7.13E+09	1.08E+10	1.87E+10	10.5	0	26.5
4.19E+09	1.47E+09	5.37E+09	4.91E+09	1.15E+10	3.68E+10	34000000	0.38	9.06	10.4
4.46E+09	1.6E+09	4.24E+09	5.21E+09	1.34E+10	3.48E+10	5.29E+10	5.01	10.6	36.4
5.01E+09	1.74E+09	4.64E+09	5.77E+09	1.53E+10	3.58E+10	5.74E+10	1.54	10.6	33.2
5.18E+09	1.77E+09	5.85E+09	5.93E+09	1.42E+10	3.24E+10	6.06E+10	3.56	10.8	32.7
5.28E+09	1.94E+09	7.36E+09	5.98E+09	1.34E+10	3.52E+10	6.36E+10	-11.7	10.3	36.5
7.36E+08	2.54E+08	1.83E+08	1.83E+09	4.88E+09	1.57E+10	44200000	1.13	1.45	8.45
8.24E+08	4.27E+08	2.08E+08	1.98E+09	5.2E+09	2.35E+10	1.63E+10	29.2	8.55	15.1
8.9E+08	3.55E+08	2.08E+08	2.08E+09	5.52E+09	1.85E+10	1.99E+10	17.8	13.8	15.9
1.3E+09	6.09E+08	2.71E+08	2.72E+09	7.36E+09	2.15E+10	2.29E+10	-7.8	10.6	16.1
1.68E+09	8.9E+08	3.21E+08	3.21E+09	8.56E+09	3.16E+10	2.12E+10	3.43	8.9	17.6
1.84E+09	9.04E+08	1.6E+08	2.69E+09	5.65E+09	2.81E+10	-26700000	0.72	2.68	0
2.33E+09	1.58E+09	2.3E+08	3.17E+09	6.58E+09	3.67E+10	4.12E+10	7.77	0	32.6
2.28E+09	1.33E+09	2.79E+08	3.31E+09	6.84E+09	3.35E+10	4.29E+10	27.9	0	35.4
2.52E+09	1.6E+09	2.85E+08	3.5E+09	7.08E+09	3.36E+10	5.19E+10	-7.76	0	33.4
2.71E+09	1.49E+09	2.57E+08	3.58E+09	7.55E+09	3.75E+10	4.8E+10	2.01	0	35.6
8.31E+08	5.04E+08	67000000	2E+09	4.45E+09	1.51E+10	70300000	1.75	41.3	15.9
1.2E+09	8.37E+08	59000000	2.63E+09	5.63E+09	2.85E+10	1.54E+10	50.5	25.3	18.7
1.14E+09	4.63E+08	75000000	2.62E+09	5.78E+09	1.49E+10	2.22E+10	54.9	32.6	21.3
7.61E+08	2.96E+08	87000000	2.12E+09	4.58E+09	1.08E+10	3.26E+10	-56.9	16.2	19.7

9.37E+08	5.28E+08	59000000	2.41E+09	4.98E+09	1.98E+10	1.55E+10	6.6	10.3	16.6
1.79E+09	-1.39E+08	3.71E+08	4.3E+09	6.13E+09	2.74E+10	61900000	0.67	-13.2	7.25
2.16E+09	4.02E+08	4.17E+08	4.87E+09	6.83E+09	2.99E+10	3.89E+10	2.95	-0.08	29.2
2.21E+09	2.31E+08	4.46E+08	4.92E+09	6.94E+09	2.38E+10	3.93E+10	-17.6	3.58	31.6
2.46E+09	1.02E+09	6.03E+08	5.32E+09	7.39E+09	2.16E+10	3.31E+10	0.36	2.36	31.9
2.59E+09	9.04E+08	4.44E+08	5.5E+09	7.68E+09	2.19E+10	3.21E+10	-4.55	8.36	33.2
2.7E+09	1.64E+09	4.53E+08	4.64E+09	6.68E+09	7.53E+10	12000000	0.9	-17.4	51.1
3.21E+09	2.04E+09	4.77E+08	5.48E+09	7.78E+09	1.02E+11	6.79E+10	25	50.5	40.4
3.33E+09	2.11E+09	5.86E+08	5.63E+09	8.08E+09	7.18E+10	8.29E+10	47.5	48.9	41.2
3.49E+09	2.34E+09	7.32E+08	5.99E+09	8.54E+09	7.23E+10	1.19E+11	-39.9	47.2	41.2
3.83E+09	2.49E+09	6.55E+08	6.54E+09	9.26E+09	8.28E+10	7.25E+10	34.7	49.8	40.8
3.23E+09	5.67E+09	4.63E+08	7.1E+09	8.89E+09	3.28E+10	11300000	1.31	42	34.3
3.46E+09	1.36E+10	4.44E+08	7.77E+09	1.04E+10	4.8E+10	3.47E+10	39.2	77.3	36.3
2.79E+09	-1.27E+09	4.49E+08	7.12E+09	9.8E+09	2.22E+10	3.91E+10	32.3	3.78	33.2
2.55E+09	2.77E+09	4.56E+08	7.28E+09	1.01E+10	2.06E+10	3.64E+10	-37.6	-17.1	28.5
2.58E+09	1.98E+09	4.58E+08	7.4E+09	1.03E+10	3.06E+10	2.73E+10	5.18	48.1	25.2
9.98E+08	5.89E+08	2.29E+08	2.46E+09	4.4E+09	4.16E+10	31200000	1.07	-25.2	42.4
1.6E+09	9.75E+08	3.95E+08	3.61E+09	6.26E+09	6.05E+10	3.03E+10	50.2	26.1	22.7
2.02E+09	8.55E+08	6.39E+08	4.49E+09	8.11E+09	4.19E+10	4.57E+10	12.5	36.8	25.6
2.59E+09	1.55E+09	6.52E+08	5.61E+09	9.62E+09	4.96E+10	5.05E+10	-18.2	29	24.9
2.95E+09	1.81E+09	6.89E+08	6.27E+09	1.06E+10	3.73E+10	4.15E+10	59.6	42	26.9

Dividend Yield (%)	Value/Share	Annual Return (%)
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9.93	1.29	0
0	8.63	75.81869
0	14.3	-14.29139
1.36	16.8	22.68291
1.43	22.3	13.36736
16	4.73	0
6.36	227.5	30.79398
4.77	228.6	-23.30315
5.95	154.1	28.63718
5.16	155.8	30.85809
9.57	7.64	0
7.01	46.9	31.28856
5.3	44	-39.08578
7.51	49.5	-2.04109
8.16	47.4	9.331185
14.7	0.44	0
6.94	45	19.65547
4.11	33.9	-6.890059
3.8	39	-17.63218
5.9	38.9	-37.10899
11.9	8.17	0
4.26	107.3	48.80931
2.18	110.3	-22.13388
7.29	133.5	15.86578
9.69	161.7	-16.00635
16.2	0.79	0
0.78	34.6	1.4329
0.76	33.8	-9.706059
0.73	34.1	35.78662
0.57	41.1	4.272044
6.93	3.51	0
2.28	29.6	48.69296
1.64	28.3	-36.07215
2.37	31.1	15.54522
2.89	34.6	-13.65651
0	2.14	0
0	25.9	54.93351
0	23.8	12.72837
0	22.9	29.34621
1.97	25.4	57.53459
10.2	3.84	0
3.29	90.7	10.35698

0	71	-56.05648
4.24	69.1	24.3528
2.48	78.5	-3.060771
9.98	4.99	0
0	0	0
0	16.4	inf
0	24.8	16.12034
4.39	30	27.66063
0	2.9	0
0	32.2	40.01683
0	31.4	-25.21698
2.04	32.3	10.56767
2.88	34.9	48.68568
43.7	1.77	0
2.3	42.3	12.82878
2.09	42.9	-0.661226
1.93	46.9	0.429437
2.31	55.2	40.40431
8.93	4.95	0
3.02	15.3	37.90484
2.52	15.6	-43.43241
5.05	20.5	7.715712
5.05	22.5	2.14828
34.3	2.74	0
0	10.3	22.07511
3.73	8.85	8.194048
3.32	9.71	13.21926
3.42	12.4	38.57853
14.5	4.24	0
5.14	4.37	21.54884
4.29	2.64	-46.58904
5.93	6.35	73.9351
4.6	7.45	15.51935
12.1	3.37	0
1.83	52.6	-13.01715
2.33	47.8	-60.64316
5.14	48.3	27.59156
3.57	52.8	15.265
11.9	0	0
2.64	39.2	22.48973
2.24	37.3	-51.01788
4.15	37.8	16.91377
3.79	38.8	40.17106

12.2	2.19	0
2.98	14.2	47.23433
2	12.8	-30.54284
2.52	12.9	-4.167277
2.95	15.9	40.01087
10	2.97	0
4.41	113.1	25.72224
2.85	110.2	-9.900968
0	77.5	33.93815
2.89	91.9	19.30084
18.5	2.96	0
1.22	91.3	29.55564
3.38	83.8	-39.61929
0	91.3	52.31573
3.78	105.2	45.13969
16.3	2.3	0
2.22	52.8	-7.976086
2.39	49.1	-30.54666
0	47.8	8.451837
2.73	54.1	22.34023
29.9	1.18	0
1.13	9.28	67.79024
0.55	9.6	-46.34291
1.07	10.2	15.60955
1.17	13.6	11.04879
15.2	0.65	0
0	60	30.91648
0.65	58.5	-17.70608
0	59.4	3.830153
1.8	59.6	76.51778
11.5	9.4	0
2.03	70.6	91.61225
1.57	68.9	-41.63044
8.59	79	0.256495
9.36	94.9	-5.959846
27.3	1.46	0
1.02	54.9	59.35362
0.69	51.1	-29.23316
1.1	59.4	-12.47029
1.6	70.9	12.23215
0	3.16	0
4.88	261.3	26.60117
3.83	250.2	-10.19424

4.07	171.5	47.03853
3.06	233.7	24.01914
0	6.67	0
4.8	150.3	93.74798
2.46	145.9	-45.4115
4.49	162.2	-21.49579
6.1	200.2	-6.354633
34.6	0	0
0	12.9	16.5289
0	14.7	-20.9907
0	16.1	-18.80955
0	17.7	15.72628
34.9	3.31	0
2.52	36.9	3.845248
2.55	30.6	0.204882
2.32	27.1	8.384897
2.51	47.8	-13.71093
18	1.17	0
3.83	58.4	33.03367
2.39	57.4	73.38284
1.95	70.6	71.21648
1.59	84.6	84.21277
26.1	1	0
1.73	32.5	34.63212
1.48	34.3	-33.77399
2	38.4	37.05568
1.63	41.6	78.78282
45.2	1.49	0
1.32	34.6	-27.41744
1.36	24.1	-31.7726
1.64	20.8	14.13877
1.73	20.7	40.20808
15.3	2.62	0
3.87	65	38.58026
2.5	59.1	-32.43801
3.59	55.9	18.50907
3.44	69.5	46.4293
3.37	0	0
0	23.5	29.89459
0	23.2	-59.12838
0.85	20.4	-14.81544
0	14.5	353.5034
17	1.97	0



2.17	12.7	62.0509
1.39	16.2	-30.64302
1.83	15.2	5.205668
2.08	19.2	7.59965
19.4	0.99	0
0.9	23.5	21.95997
0.81	22.4	-28.81824
0.98	26.5	-2.385106
1.1	29.9	19.60923
10.5	10.1	0
3.88	293.6	86.86871
2.51	309.3	-46.56352
5.9	324.2	-27.23921
8.84	380.2	-9.34889
25.2	2.95	0
2.86	54.4	-3.47423
3.22	61.7	-50.11018
7.55	50.3	4.260318
4.05	37.4	50.3559
5.06	0	0
0	9.15	0.736827
0	10.3	-74.28018
0	9.41	-4.3167
0	9.83	37.39747
7.82	0.32	0
0	43.3	9.035414
1.06	42.4	-69.79612
3.32	36.1	65.19377
0.42	30.4	35.78671
33.7	2.67	0
1.76	5.12	19.89759
1.57	5.42	-35.29286
2.56	4.09	13.60709
2.27	3.84	-14.5093
24.9	2.82	0
0.79	1.35	42.10677
0.56	1.73	-41.30035
1.81	1.84	32.44276
1.7	2.3	-7.210325
19.4	1.01	0
0	38.6	-45.76071
0	55.8	-62.25911
0	61.7	25.30691

0	57.4	6.337738
4.51	0	0
0	0.04	-51.47572
0	0.11	-65.7455
0	0.16	38.40261
0	0.16	1.199985
0	6.77	0
7.15	3.56	14.52203
5.03	3.68	-4.305098
4.74	3.85	-13.30768
6.98	3.89	23.80993
14	1.15	0
0.05	1.13	108.2706
0.06	1.49	-35.21986
0.08	1.81	14.53027
0.51	2.2	25.44397
5.46	1.71	0
0.25	1.52	-30.69919
1.26	1.71	-13.95186
0.56	1.64	81.26419
0.5	1.81	-4.239654
27	0	0
0	83.7	24.4356
0	97.1	-51.94036
0	95.2	36.75697
0	101.6	-12.87108
0	7.13	0
9.04	0.94	2.615944
8.7	1.01	-10.23159
9.96	1.03	19.92166
9.23	1.12	30.64833
26.5	5	0
0.9	0.77	-6.217182
1.03	0.84	-22.47491
1.41	0.88	-7.429857
1.91	0.84	-46.43166
35.2	6.28	0
8.41	2.76	40.60469
6.26	3.2	-6.86618
8.33	3.57	-6.61405
9.28	3.48	34.54128
26.4	6.31	0
5.85	12.6	31.6234

3.89	12.8	-8.944195
4.97	13.7	-12.53013
5.77	13.9	-19.99721
17.3	5.98	0
6.79	16.4	11.16676
4.78	17.6	-24.40453
6.76	19.1	0.002562
7.13	18.8	4.019266
30.1	4.73	0
6.74	5.99	28.0879
5.29	6.01	-19.70086
6.61	6.3	-3.460517
6.95	6.41	49.60893
26.1	4.67	0
4.32	5.7	6.466083
4.07	5.95	-30.50273
5.81	5.77	8.640101
5.36	5.36	15.66759
62.1	7.77	0
9.23	1.57	21.49147
6.41	1.69	25.55176
14.3	1.86	31.46953
10.4	2	40.72905
22.2	5.25	0
0.92	0.28	-0.681244
2.09	0.36	-0.368541
2.44	0.36	-18.54975
4.18	0.4	-10.04443
0	7.2	0
6.93	1.41	-1.438223
7.48	1.57	-18.18935
9.02	1.59	3.460204
9.42	1.71	33.87407
27.2	9.56	0
6.07	1.21	63.86667
11	1.44	-31.76333
17.4	1.39	30.07788
2.96	1.38	67.0973
39.9	2.67	0
5.02	2.35	-31.16977
5.73	2.73	-21.15366
7.99	2.53	20.9664
4.98	2.31	33.20286

10.1	3.19	0
0.58	1.24	35.74062
0.66	1.47	-49.67036
1.78	1.5	3.530507
1.7	1.58	-35.30542
0	0	0
3.01	3.96	44.93314
2.32	4.63	-56.28294
5.6	4.83	12.97284
5.62	5.23	26.00171
28.2	6.81	0
7.23	8.63	2.010801
7.03	9.32	5.390485
8.69	8.71	29.64779
7.49	8.86	15.65074
13.9	5.07	0
5.26	4.33	-11.90761
6.88	4.92	-8.979563
7.36	4.84	-2.687181
4.58	4.69	-2.681419
5.5	8.64	0
11.9	0.95	15.72941
10.2	1.01	-11.80714
15.4	0.95	23.65411
9	0.95	18.54886
18.2	2.69	0
0.4	1.01	33.81243
0.99	1.18	-41.14817
1.51	1.18	12.81745
1.46	1.31	-31.29
17.1	6.26	0
3.92	4.09	-4.264472
5.11	4.85	-15.94046
5.85	4.98	18.13965
5.01	5.14	-16.35179
26.7	2.6	0
0	0.89	inf
0.39	0.95	-42.64253
1.16	0.98	32.55605
1.83	0.99	2.539655
36.1	5.62	0
6.8	2.06	148.5969
3.3	2.44	-43.19943

2.21	2.5	30.51645
4.7	2.47	29.65857
32.5	7.44	0
10.9	2.86	24.65619
13.1	3.04	30.26211
12.6	2.93	1.573073
12.1	2.92	39.60882
21.9	6.29	0
5.44	0.69	128.1243
4.56	0.74	-19.49531
9.34	0.69	33.31138
7.17	0.69	25.87353
20.4	6.23	0
3.6	1.64	-15.81237
7.25	1.72	-18.15175
9.32	1.63	48.43837
7.02	1.64	37.08479
15.6	7.46	0
2.42	0.4	60.3022
3.02	0.36	-14.59014
3.64	0.43	-19.23598
4.53	0.46	-32.91751
9.99	5.26	0
1.7	4.2	37.49806
1.6	4.96	-36.09516
3.17	5.32	-32.3175
4.97	5.5	-3.931673
25.8	2.87	0
1.78	1.99	-17.65261
1.07	2	-16.93745
0.85	1.91	26.56676
0	2.08	-20.77796
4.53	1.53	0
1.57	1.01	69.50966
0.74	1.07	-68.40877
2.49	1.04	7.351755
2.33	1.13	61.29868
0	6.64	0
0	8.71	43.49094
2.32	9.15	-17.26948
5.27	8.68	33.46564
5.61	8.66	21.62649
18.5	4.98	0

0.29	0.32	-56.28251
0.1	0.26	-41.69815
0	0.24	60.22379
0.54	0.28	-21.31741
8.95	2.68	0
1.51	1.14	58.3294
1.35	1.29	-31.16649
2.17	1.39	6.77497
2.58	1.57	33.55978
52.9	11	0
4.04	3.96	-4.307675
4.26	4.01	-43.36825
7.56	4.15	0.564637
7.54	3.87	-32.23898
0	6.75	0
6.88	11.4	23.76995
3.72	12.4	-25.20208
4.57	12.1	-19.35396
4.57	11.2	6.283386
34.9	2.2	0
0	0.36	-49.82594
0.46	0.49	-26.79102
0.78	0.55	17.00717
0.95	0.6	23.26737
21	7.14	0
6.56	8.82	18.38748
5.52	8.76	-38.59121
8.91	9	2.854207
8.7	8.77	22.48252
16.6	6.57	0
4.85	2.47	-26.29209
6.79	2.67	-24.29971
4.88	2.43	-14.01379
5.63	2.47	-12.06011
70.1	2.67	0
1.81	4.83	26.83356
1.99	5.22	-54.77086
3.55	5.16	30.83827
2.93	5.27	11.08218
0	6.77	0
6.99	1.18	-1.209439
7.58	1.31	-18.96632
8.82	1.31	8.397671

8.8	1.36	30.1587
2.26	0	0
0	1.27	inf
0	1.94	-39.50342
0	1.89	-14.13242
0	2.11	-20.48636
5.98	0	0
0	0	inf
0	0.81	-61.18504
0	0.89	-14.72282
0	1.02	66.22689
4.18	1.9	0
0	13.4	-4.488016
0	20.9	-51.344
0	21.8	-30.97986
2.39	21.5	43.62434
14	0	0
0	-25.1	inf
0	1.42	-67.72419
0	1.22	54.79621
0	1.54	-7.858558
5.13	3.62	0
5.73	0.36	74.27172
3.62	0.36	-28.49954
6.27	0.41	59.16674
3.95	0.5	12.435
6.98	0	0
0	4.06	96.55939
0	5.07	-58.03642
0	5.09	152.9624
0	6.7	-17.98413
18	3.87	0
0.45	0.53	117.2243
0.29	0.81	-49.04449
1.26	1.36	-41.65232
3.16	1.42	-36.06352
67.5	7.18	0
4.94	11.1	18.0756
4.2	9.78	-29.8496
6.31	9.9	-8.333974
7.54	9.31	1.745205
9.44	3.8	0
3.28	2.78	-9.975624

4.82	3.25	-64.42129
15.3	3.3	-6.389423
10.6	3.43	13.71212
44.5	4.61	0
3.21	3.81	10.44674
2.9	3.7	-19.36486
4.18	3.71	-13.11224
4.4	3.68	-3.837128
11.4	0	0
0	2.61	-2.744415
0	2.92	-54.82311
0	3.02	-5.219505
0	3.36	54.79605
11.1	4.12	0
2.05	2.56	-9.246317
2.33	2.99	-47.7355
4.17	2.95	33.67969
4.59	3.22	48.57898
30.4	3.17	0
1.58	3.54	6.912363
0.79	4.51	-47.76753
2.16	4.8	102.4517
1.28	5.64	-23.37172
11.1	0	0
0	17.8	-86.47518
0	22.8	21.1481
0	23.2	156.251
0	23.3	-4.620499
38.5	2.81	0
0	0.23	10.77694
0.52	0.29	0.487092
1.22	0.32	12.53948
1.72	0.34	-34.60849
25	5.95	0
2.16	9.01	351.2281
31.3	13.5	-21.10259
63.8	20.3	-9.193396
41	17.5	3.041364
16.3	8.53	0
8.2	1.04	42.43729
8.42	1.08	-17.98105
9.89	1.06	40.82689
9.14	1.13	16.46879



21.9	4.34	0
2.7	6.41	-32.38532
4.6	7.19	-37.81068
7.21	6.91	23.28815
5.36	7.25	24.05186
35.2	0.43	0
0	0.83	inf
0.4	0.77	-78.44653
1.62	0.76	117.9292
0.43	0.8	214.5336
50.1	5.45	0
7.03	5.18	18.69632
5.94	5.11	-21.16624
7.46	5.25	0.502801
7.45	5.21	37.55829
29.8	0	0
0	0.28	-34.69147
0	0.13	-26.86972
0	-0.09	62.1873
0	0.02	-5.179267
43.2	0	0
0	2.15	-4.030481
0	2.26	-30.12725
0	2.39	45.88822
0	2.62	30.04018
25.3	4.12	0
1.49	2.85	24.92295
1.31	3.1	-66.92532
2.91	2.92	39.80027
2.31	3.06	-22.02687
23.9	1.71	0
1.02	0.27	-26.73861
1.39	0.23	-32.874
2.53	0.28	-22.02904
2.59	0.24	13.08307
3.42	4.9	0
3.93	2.73	4.477842
4.52	3.22	-17.66081
5.26	3.21	25.36376
4.68	3.4	1.968693
34.5	4.45	0
4.99	26	4.058591
4.78	26	-18.27383

5.8	26.9	-4.275381
6.08	27.1	4.133456
11.5	0.43	0
0.66	2.23	63.5122
0.51	3.02	-68.19974
1.66	2.95	2.820257
0.68	2.91	-26.51883
10.6	1.91	0
1	2.15	54.49057
1.04	2.53	-52.1316
2.52	2.98	-5.426901
2.54	3.16	56.16174
34.8	0.83	0
0.2	9.1	-18.77817
0.33	14.3	-59.07955
0.8	13.6	47.26756
0.81	12.5	36.87847
20.9	5.73	0
2.99	0.46	13.68958
2.89	0.48	-49.54641
5.68	0.47	-8.91795
6.26	0.43	9.97031
10.8	5.12	0
4.64	0.55	2.568672
6.64	0.59	-12.77993
10.6	0.44	-18.13333
9.91	0.33	11.98431
28.2	0	0
0	25.5	7.580852
0	26.2	-19.524
0	24.4	55.23878
0	26.7	86.24766
12.2	5.49	0
5.17	0.65	-22.10545
3.21	0.7	-27.21377
4.74	0.73	16.6392
6.44	0.77	37.74624
76.8	5.31	0
6.82	9.24	47.09862
3.05	8.76	-28.09751
4.21	8.66	-11.76327
4.57	8.11	-15.37924
38.4	1.91	0

0.21	1.3	55.66786
0.22	1.97	-51.18455
0.66	2.27	19.1603
1.02	2.61	-43.56685
31.3	0	0
0	0.62	69.9294
0	1.09	-67.70252
0	1.3	31.63071
0	1.32	-68.53484
7.49	0	0
0	0.64	0.210511
0	0.91	-59.66535
0	0.83	65.3633
0	0.93	82.49612
23.8	7.76	0
3.24	0.76	28.49288
5.83	1.1	-51.83043
11.1	1.18	-8.914112
5.2	1.09	-1.464863
20.4	6.49	0
1.21	0.32	20.25273
2.09	0.43	-50.90221
2.48	0.48	-39.55311
3.09	0.46	-18.56232
33.5	2.99	0
1.04	8.88	0.161044
0.85	9.94	-42.08072
1.44	9.58	36.36157
1.56	10.6	-1.692827
4.35	6.62	0
0.82	1.74	35.30574
0.82	2.22	-56.51497
2.71	2.68	-39.29241
5.77	2.72	-36.40858
18.3	1.76	0
1.43	0.34	68.68829
1.15	0.42	-31.0043
2.47	0.48	52.89869
0.81	0.58	41.75732
12.9	0.04	0
0.3	1.96	317.5004
0.07	0	120.5026
0.03	0	-31.62557

0.05	0	29.36937
59.9	0.43	0
0.89	1.74	92.47534
0.72	2	14.0316
0.61	2.48	-5.374875
0.64	2.53	76.11202
12.8	0.23	0
0.26	3.4	106.6962
0.07	3.91	-2.429714
0.26	5.17	4.828719
0.37	5.43	42.79751
16.8	1.11	0
0.54	1.52	39.41782
0.59	1.68	-10.31592
0.65	1.96	-3.914761
0.89	2	0.003804
0	0.09	0
0	4.01	50.20611
0	4.5	11.00785
0.11	4.86	8.600657
0.1	4.93	17.88288
22.5	0.81	0
4.16	11.1	27.71708
3.78	10.7	-11.8392
3.81	11.9	43.12215
2.64	11.1	82.83871
0	0.52	0
0.3	0.72	123.0353
0.14	0.83	-13.54382
0.29	0.94	6.174929
0.4	1.08	-6.22788
36.8	0.06	0
0.09	2.8	218.0077
0.02	2.87	-15.44438
0.02	3.2	-6.49375
0.05	3.36	11.07244
27.5	0.76	0
3.22	0.18	136.3895
1.93	0.21	39.09222
1.42	0.22	23.84659
1.36	0.28	116.4569
47.4	0.49	0
0.46	2.06	69.75324

0	1.57	6.192308
0.37	1.72	13.74625
0.43	1.77	78.74619
25.1	0.92	0
0.4	2.72	19.34357
0.55	3.05	16.273
0.43	3.39	2.194803
0.71	3.53	17.70766
34.1	5.79	0
10.5	0.7	43.21813
9.73	0.8	35.32384
6.96	0.88	27.26214
7.71	1.1	41.38827
27.5	0.64	0
0.51	2.47	-4.997563
0.54	2.82	-12.92611
0.67	3.14	18.71436
0.75	3.32	15.94584
27.5	1.05	0
0.6	5.05	18.68198
0.68	5.42	37.12454
0.56	5.99	-11.17451
1.1	6.42	43.74473
1.51	0	0
0	0	inf
0	0	-52.51383
0	0.28	72.06457
0	0.26	134.552
18.9	0.37	0
0.51	8.6	120.0303
0.29	7.89	-10.90517
0.59	10.9	10.23929
0.53	11.3	45.57227
20.3	2.83	0
0.83	2.34	35.10579
3.5	3.08	-18.19126
3.88	3.13	21.44146
3.8	2.89	44.00309
0	1.12	0
0	2.06	33.83492
0.41	2.46	-15.55884
1.06	2.82	37.05344
1.28	3.03	16.4564

1.31	0.28	0
0	0.44	14.93312
0.3	0.56	-24.64654
0.32	0.63	13.38672
0.31	0.92	18.6024
13.1	0.51	0
0.59	3.55	168.0453
0.65	3.76	-19.88702
0.99	4.53	11.46484
0.66	4.7	48.98137
22.6	1.68	0
1.35	0.52	14.91133
1.34	2.3	-3.956207
1.43	2.71	-2.896372
1.61	2.6	2.05518
0	0.76	0
0	2.37	104.3625
0.25	2.86	3.552685
0.55	3.15	1.250426
0.87	3.44	41.35486
34.6	2.8	0
6.14	0.68	34.51451
5.15	0.71	42.01286
3.33	0.66	23.745
2.96	0.64	13.41915
22.8	2.33	0
2.03	1.97	56.53634
1.8	2.29	-18.38301
2.18	2.27	-11.22265
2.61	2.28	29.67782
13.5	0	0
0	1.91	65.35508
0	0.17	-26.17369
0	-1.82	40.12364
0	-2.31	61.23275
13.2	0.76	0
0.65	2.1	115.6722
0.97	2.42	-8.960245
2.59	3.69	9.747448
0.46	3.56	29.31752
0	0	0
0	0	0
0	0	0

0	0 inf
0	0 44.65976
0	0.12 0
0	3.36 30.84506
0.04	4.15 -15.48743
0.06	4.81 -9.769133
0.09	5.04 0.091728
11.4	0.82 0
1.72	6.6 89.10655
1.02	7.2 1.806872
1.11	7.77 43.3226
0.82	7.71 15.30901
18.3	0.78 0
0.4	4.2 48.28445
0.99	4.14 35.28981
0.88	4.27 13.0677
1.08	4.47 79.18308
13.8	1.11 0
0.86	21.7 6.841572
0.6	23.3 15.5176
0.63	23.4 8.308759
0.87	24 11.56802
24.9	0.15 0
0	0 230.6343
0	0.67 18.40211
0	0.88 32.73007
0.17	0.98 70.60205
28.4	1.96 0
3.6	1.52 47.59037
4.75	1.67 19.47401
4.02	1.74 33.27918
3.09	1.73 72.4154
22.2	1.3 0
0.94	0.17 10.11355
0.71	0.16 -2.755316
1.03	0.15 17.76031
1	0.19 -6.76077
14	4.68 0
7.7	2.4 128.4123
2.48	2.35 -18.32187
7.85	2.68 39.6305
5.96	2.76 37.22395
86.2	3.53 0

5.85	0.92	43.50323
5.27	1.01	11.59914
5.18	1.08	16.75514
5.51	1.06	56.99346
17.1	0.37	0
0.32	4.59	22.89361
0.28	6.48	-9.345776
0.32	7.74	-3.594981
0.39	7.64	8.072374
2.09	0.17	0
0	1.15	48.15037
0.22	1.39	-0.369701
0.16	1.54	4.71296
0.19	1.6	21.36392
0	1.47	0
1.73	2.15	119.2735
1.39	2.34	-18.65798
1.88	2.53	103.3937
2.11	2.81	67.12787
0	1.67	0
0	3.33	163.8933
0.8	3.67	3.494986
1.24	3.99	-2.081363
2	4.22	44.085
28.4	0.73	0
0.86	2.44	69.75852
0.94	2.77	13.39284
1.01	2.85	11.38499
1.03	2.75	64.4461
26.1	1.84	0
1.24	3.22	25.00606
1.12	3.01	-16.14538
1.36	3.55	5.610284
1.42	3.27	18.37137
13.2	0.76	0
0.55	1.6	63.35473
0.5	2.34	-13.66318
0.8	2.17	16.04428
0.95	2.1	20.69637
11.2	0.36	0
0	2.31	292.9817
0	2.16	-22.07215
0	1.66	53.51568



0.32	1.42	33.14064
11	2.42	0
2.44	0.79	237.241
1.9	0.94	-28.59651
5.02	1.2	15.91283
3.02	1.19	26.43184
11.3	2.37	0
1.84	3.33	81.35677
3.04	3.76	-35.12765
4.29	3.94	6.54123
2.13	3.79	48.48752
8.56	0.33	0
0.34	1.07	103.6541
0.17	1.2	4.421928
0.27	1.41	12.66673
0.32	1.64	5.069123
12.4	0.04	0
0.15	0.99	51.16715
0.06	0.84	32.38382
0.12	0.94	43.83562
0.1	0.97	238.7327
16.5	0.63	0
0.28	16.7	66.0617
0.49	20.8	-23.15531
0.59	22.5	28.82244
0.45	23	32.02255
18.9	0.18	0
0.29	0.64	81.12139
0.16	0.63	-45.88823
1.56	0.77	-6.154794
0.26	0.81	46.89237
14.5	4.49	0
3.7	49.2	60.36792
2.82	48.6	-37.45931
4.58	49.4	4.077253
4.15	46.3	-9.559766
14.2	1.67	0
0	30.9	50.64792
0	18.1	-16.60024
0	15.6	0.195098
0	13.5	0.425537
31	0.43	0
1.36	2.65	40.85742

1.39	3.02	-38.9064
1.75	2.99	103.1263
0.84	3.67	109.5977
0	0.95	0
1.35	3.9	-9.757752
1.38	3.74	-18.09624
1.31	3.24	11.1378
1.17	2.77	20.04775
15.9	1.35	0
1.53	5.31	47.72707
1.47	4.8	-9.681074
1.44	4.96	28.24821
1.37	5.19	3.442209
6.54	3.79	0
1.34	16.2	-30.94048
1.8	14.1	-23.45765
3.61	14.3	6.058054
3.37	14.6	29.86743
17	4.1	0
3.31	11.8	13.66749
3.03	11.3	-29.29119
4.48	11	37.64526
3.47	10.8	-1.529263
0	2.88	0
9.13	37	39.91184
4.91	37.4	-24.94468
6.09	36.6	16.42514
5.18	28	2.163183
14.2	2.56	0
3.29	9.44	54.39658
2.09	9.47	-37.67863
2.69	9.36	28.1289
2.14	10.1	-0.16617
0	3.43	0
3.78	9.63	21.84031
3.01	9.1	-38.70063
3.79	9.55	-4.345438
3.92	8.93	11.45261
21.4	4.14	0
2.93	6.99	22.18809
2.61	6.7	-19.54449
2.96	6.53	-9.158502
3.7	6.25	-8.096935

19.5	1.86	0
1.7	6.57	2.44821
2.44	6.56	-13.72676
2.13	7.12	-6.41905
2.25	7.14	2.027082
38.5	1.02	0
0.89	1.25	217.9593
0.38	1.71	-30.29768
0.71	2.4	-12.28983
1.09	2.75	26.59054
18.6	3.84	0
2.95	30.6	35.76395
3.39	30	-20.11011
3.23	30.9	3.469142
3.58	33.3	-4.598621
0	3.43	0
3.02	22.7	-4.275638
3.55	23.3	-35.71335
4.15	22.9	24.13531
3.63	21.5	1.969196
15.4	2.93	0
4.44	23.9	30.2591
3.52	22.5	-9.443769
3.89	22.6	8.038064
4.01	23.1	37.46034
0	4.06	0
2.85	8.26	-6.73329
2.8	7.59	-39.48709
3.53	7.23	-13.44944
3.78	6.82	-7.64114
50	0.95	0
1.03	36.3	23.27798
0.77	33.1	-22.65298
0.77	29.9	-2.115461
0.84	28.4	-8.286865
11.8	3.42	0
4.27	23.4	-7.730176
4.24	23.7	-20.64382
4.13	21.2	49.58403
2.73	20.1	-6.49723
49	1.12	0
1.24	5.73	-3.134829
2.17	6.25	-37.64985

2.22	6.63	25.77223
1.84	7.07	64.33032
29.9	3.04	0
4.01	29.9	13.6925
3.24	28.5	-13.70697
3.87	29.6	38.25712
3.69	28.8	55.98417
6.72	1.64	0
0.57	1.74	6.581346
0.58	2.61	-49.28559
1.2	2.42	-38.59575
1.94	1.93	31.06526
13	2.91	0
2.89	11.1	54.90512
1.95	10.3	-34.23883
2.52	10.8	24.52267
2.1	11	-7.943004
0	1.2	0
3.3	16.1	27.2846
2.28	15.4	-19.40983
2.18	15.8	22.90715
1.66	16	22.57185
3.18	3.16	0
4.01	8.48	37.19497
3.21	8.82	-28.32583
3.7	10.1	25.01394
2.81	7.4	14.97535
18.5	1.2	0
0.98	6.28	-5.759081
0.94	6.04	25.17763
0.58	5.56	-17.39492
0.88	5.51	24.62542
0	1.71	0
0.82	49.2	17.17106
0.72	48.1	-32.00249
0.91	51.6	-3.722929
1.13	56	-14.41437
0	3.18	0
3.29	24.7	25.92958
3.23	24.2	-38.13089
4.34	24.8	34.37997
3.32	25.3	5.624012
0	4.37	0

4.75	7.68	38.03109
5.64	7.43	-32.7835
5.78	7.48	41.91717
2.72	7.1	14.84931
33	1.13	0
1.12	12.7	2.61233
1.52	16.2	-30.68413
2.05	16.5	-28.30718
1.39	15.9	19.81185
9.92	4.65	0
3.91	27.3	6.835664
4.02	27.8	-28.99096
4.23	27	-22.3765
4.47	26.2	-22.03204
15.3	2.91	0
3.18	32.5	25.54313
2.42	27.3	-18.36613
3.7	26.4	-7.584283
3.65	24.3	7.030942
47.9	0.78	0
1.56	19.7	0.280713
2.21	20.4	-12.16907
2.56	21.9	133.9363
1.05	23.4	61.27109
8.76	2.49	0
3.02	39.3	46.92824
2	39.2	-22.26801
2.2	43.4	-6.907125
2.45	44	13.22577
5.04	2.84	0
6.27	6.9	19.9466
4.79	6.67	-21.31098
4.49	6.87	9.767118
3.98	7.14	27.32674
27.8	1.7	0
1.83	26.3	19.08882
1.41	21.4	-13.2942
1.26	17	-4.344318
1.43	16.2	16.49591
15.5	1.99	0
2.08	6.02	92.40204
2.1	5.97	-41.37672
3.57	5.69	37.27655

3.12	6.1	71.03095
13.4	3.07	0
1.98	22.1	-9.012845
1.99	21.5	-14.93923
1.81	20.8	-12.88016
2.06	20.4	-35.82026
14.5	1.61	0
1.79	15.9	51.76986
1.25	15.4	-40.64766
1.78	16.1	19.28301
1.72	16.7	34.06912
24.7	2.15	0
0.8	13.6	-7.232204
2.03	13.1	-32.83927
2.59	12.7	-7.956552
2.93	12.5	8.484815
0	0.89	0
0.66	29.9	-4.742223
0.69	32	-15.7369
0.83	30.2	18.72839
1	38.8	49.98426
15.6	1.88	0
2.54	24.4	61.53775
1.62	25	-22.11942
1.97	26.4	3.436363
2.05	27.3	32.82905
14.7	1.16	0
0	6.72	104.2812
0	4.91	10.07977
1.84	5.53	22.60026
4.17	7.18	406.9378
11.1	0.94	0
1.64	5.75	45.52091
1.12	6.18	-32.51184
1.39	6.52	4.580764
1.37	6.6	48.11104
0	3.66	0
4.89	46.2	7.986199
4.64	44.2	-6.369632
4.19	42.8	50.47899
3.01	35.6	-8.771273
6.99	1.55	0
3.26	32.7	-12.16539

2.41	30.8	-30.76125
2.68	31.1	-2.116501
2.71	31.5	70.14925
0	2.55	0
2.76	21.3	24.93376
2.02	20.3	-30.991
2.26	21.3	6.229236
2.11	21.2	40.61767
0	4.62	0
5.61	12.6	4.165571
4.73	12.7	-21.15875
5.3	12.8	19.39603
4.36	12.4	-2.234337
0	0.54	0
0.76	16	27.89434
0.54	16.4	-38.32076
0.8	17.2	0.897942
0.77	17.5	38.55956
5.33	0	0
1.26	9.14	23.93857
1.58	8.54	-55.08587
0	7.18	-31.12948
0	4.6	-9.092537
0	5.19	0
0.78	22.6	29.82615
1.24	20.7	-38.82304
4.01	21.2	29.78909
3.85	22.8	-12.63884
0	1.01	0
2.86	6	71.66283
1.83	6.15	-26.37667
2.2	6.76	42.95657
1.7	7.6	112.8976
8.63	4.31	0
1.81	15.1	25.6994
3.28	14.7	-24.21784
3.62	15.6	31.02374
2.62	16.6	-3.998621
11.2	1.21	0
3.98	3.06	93.71602
2.26	2.88	-3.414648
2.46	2.7	-13.95871
3.53	3.08	184.8492

6.11	2.59	0
3.52	19.9	18.68708
2.9	19.3	-9.659753
3.4	22.4	37.03407
2.98	24.9	38.43035
3.05	3.09	0
5.7	7.36	35.68372
3.85	6.95	-19.32007
3.69	7.7	-2.680916
3.56	8.12	41.48783
67.3	4.3	0
4.88	18.9	77.41029
5.88	17.6	12.25876
4.28	20.8	37.33152
3.43	22	-14.49815
0	2.05	0
1.78	13.7	51.02352
1.33	11.8	20.57678
0.93	10.8	25.16144
0.98	10.5	35.04443
10.9	4.6	0
1.9	12.3	75.09546
3.79	12.2	-13.77671
3.86	12	-4.39307
4.85	12.7	13.23125
25.1	2.69	0
3.41	14	21.83287
2.76	13.1	-13.56045
2.73	11.4	17.73985
2.29	10.1	11.38576
8.13	5.94	0
0	27.8	119.4961
3.44	25.1	-39.61698
11.8	27	58.41176
4.83	27.1	-8.612065
0	3.04	0
1.4	15	14.37016
1.41	14.3	26.75591
1.37	12.1	-0.558118
2.17	12.8	-30.28735
6.02	2.85	0
1.94	14.5	11.60123
1.6	12.4	-26.99118



2.32	13.6	28.73104
2.6	14.4	-16.88188
17.1	3.28	0
0	32.3	60.3771
0	20.3	-13.62242
0	14.9	-1.650804
1.47	14.3	-12.5995
65.9	1.82	0
2.05	0	-5.024014
1.93	2.69	-43.91126
2.68	0	45.40996
2.21	2.35	23.91473
0	3.5	0
6.99	30.2	4.557558
5.71	27.6	-16.91621
5.06	30	22.01967
3.82	27.2	-0.948873
15.3	4.55	0
7.82	14.4	4.05874
6.26	12.9	-15.95022
6.17	11.7	40.67531
5.44	14.8	20.15112
28	2.99	0
4.3	8.84	13.16448
3.68	9.11	-6.416445
3.08	9.12	-1.680155
3.17	8.97	2.73328
5.87	3.41	0
4.5	14.9	12.30597
3.86	15.4	-24.57318
4.19	15.4	69.98787
2.88	15.5	3.230122
0	2.2	0
2.86	6.51	94.72827
1.35	6.62	-27.62738
1.8	6.53	-7.85962
2.32	6.34	31.4289
14.3	2.24	0
1.89	18.1	-21.70145
2.24	17.3	-35.06391
2.67	15.9	-2.392604
2.76	14.6	21.43768
0	2.37	0

0	27.1	71.36221
1.73	23.7	-17.74602
1.22	23.8	31.21396
2.45	23.1	76.61271
14.7	4.08	0
0	1.21	296.8825
0	1.91	-7.589485
6.17	7.39	103.516
3.75	13.6	7.840718
19.1	2.05	0
0.91	29.7	-13.01319
0.7	25.5	-30.48955
0.78	23.1	-15.0199
1.02	21.4	-24.95385
22.1	0.92	0
0.58	7.78	14.96083
0.47	6.88	-16.60433
0.44	6.2	38.06204
0.36	5.86	-33.13176
52.9	0.51	0
0.42	66.9	32.93923
0.29	70.9	-41.63738
0.58	72.9	9.619646
0.52	75.9	17.56319
14.7	1.16	0
0.81	2.74	64.65763
0.48	2.76	-33.4896
0.76	2.89	1.666122
0.83	3.05	6.647838
12.2	3.11	0
3.46	9.99	-3.384808
3.28	9.13	-17.6185
2.99	9.16	-5.04666
3.4	9.05	6.733894
0	5.42	0
0	18.3	51.67307
2.99	16.7	-23.92039
6.6	16.5	186.2229
2.28	16.2	-7.751504
19.4	4.15	0
1.84	18.5	16.21238
2.7	17.4	-26.28845
3.4	17.8	19.56669

4.22	19.6	12.06454
33.7	0.94	0
1.11	19.7	41.01728
1.17	20	-20.06456
1.93	20.9	20.86242
1.6	20.4	76.82354
9.58	0.77	0
9.47	10.2	94.35697
5.34	9.06	-39.16351
4.52	8.64	-5.333604
1.18	8.3	50.12139
13.4	2.54	0
1.99	12	23.9205
1.65	11.6	-35.71376
2.15	11.6	-3.457705
2.38	12.1	-6.807006
20.6	2.61	0
4.16	14.3	-1.808067
3.88	13.3	-26.22972
4.16	14.1	66.16774
2.95	14.6	15.99569
7.94	2.85	0
2.09	15.4	6.467188
2.4	15.3	-16.58493
2.76	15	-2.249535
2.74	15.4	-6.285668
23.2	2.31	0
1.7	12.5	32.4293
1.23	11.8	-28.33984
1.39	11	-34.40134
2.35	10.9	3.844621
22.3	1.33	0
1.22	1.54	42.35057
0.79	3.02	-59.28591
1.48	3	-1.214588
1.48	2.92	2.740378
47.6	1.23	0
0.54	4.01	153.8614
0.52	4.99	-36.43682
0.89	5.68	24.07896
0.71	7.57	-11.89986
25.9	1.15	0
0.12	2.08	-12.46384

0.18	2.59	-49.96292
0.37	3.12	-48.01063
0.83	3.31	-21.68583
10.5	1.45	0
1.49	9.63	39.52147
0.97	9.35	-41.75171
1.67	10.1	4.997058
1.74	10.9	16.32745
15	2.89	0
5.27	14.8	16.86217
4.48	15.5	-20.6572
4.74	16.6	34.42865
4.46	15.4	81.94307
6.13	3.81	0
2.76	9.71	62.31633
3.54	8.14	2.273659
4.66	9.36	63.53507
3.59	11.7	4.615787
23.4	4.41	0
2.72	12.7	5.80672
2.33	12.6	-20.21795
2.41	11.4	-8.96926
4.34	9.84	-0.701125
6.36	4.97	0
0	17.8	71.13747
3.43	16	-26.0032
3.59	16	46.00365
3.13	17	-25.09006
11.9	2.82	0
1.98	18.6	-12.80365
2.23	19.2	-36.50806
2.8	19.3	17.40111
2.61	18.9	-7.835602
12.5	0	0
0	1.59	30.66181
0	2.18	-69.59224
0	1.48	22.68577
0	1.94	-28.88238
11.4	3.85	0
4.09	8.78	47.54863
3.18	6.89	-45.35089
4.5	7.91	24.8882
3.8	8.11	-3.527269

3.52	3.51	0
5.76	11.5	42.46556
3.93	10.9	-15.13847
3.74	11.8	62.9559
2.89	13.5	14.37721
11.4	2.09	0
2.99	11	3.838765
2.62	10.8	-32.8372
2.99	11.1	24.66116
2.36	11.1	35.47109
25.9	1.87	0
1.61	12.3	1.480014
2.03	12.5	-17.68692
2.05	12.3	-2.828633
2.11	12.3	16.70342
0	1.01	0
3.36	4	19.18245
3.09	3.28	32.85382
2.4	3.51	52.97088
2.07	3.8	174.3888
4.51	3.98	0
2.1	40	5.941051
2.27	35	-32.53126
2.6	36.2	21.64477
3.97	33.5	3.298293
0	3.56	0
0	5.15	75.11095
0	2.82	2.703273
0	3.16	-0.458565
2.06	3.85	-15.53494
0	3.07	0
6.09	11.9	39.06132
4.34	11.9	-18.84707
4.65	11.4	74.46393
3.33	10.6	25.08488
5.12	3.13	0
4.91	12	41.05615
3.47	11.1	-6.718201
3.71	13.6	52.99214
2.79	15.5	16.31328
10.6	4.25	0
3.75	27.4	17.77664
3.55	26.1	-37.37667

4.39	28.8	32.256
3.76	30.9	-7.561094
19.3	2.26	0
2.48	7.91	34.29077
1.69	7.86	-16.60243
2.11	7.69	9.415851
2.13	7.79	21.27471
15.5	3.07	0
2.68	27.8	14.32873
2.61	30.1	-29.317
4.7	34.6	28.38201
3.62	33.2	23.29553
0	5.53	0
1.5	13.7	180.7238
11.2	13.9	-5.430961
17.2	26.6	40.8365
4.37	39.3	19.9474
0	3.57	0
5.85	32.7	7.643347
4.98	32	-18.49306
5.35	30.5	56.58281
3.78	27.2	24.99988
26.6	1.96	0
1.51	8.27	9.17542
1.39	8.68	-37.70775
2.12	9.22	5.572901
1.98	9.35	5.514307
12	1.06	0
1.52	6.57	1.629505
1.72	6.99	-35.37286
2.25	8.11	48.82352
1.6	8.78	72.07667
33.3	0.56	0
0.17	7.9	-38.55792
0.52	7.75	-6.122718
0.41	7.61	5.970945
0.38	7.99	-3.512637
22.4	3.18	0
2.02	14.5	15.14402
3.17	13.9	-23.86287
3.54	14.5	-5.633624
2.77	15.4	-1.567212
5.35	2.57	0

2.13	36.7	-14.61343
2.5	37.4	-30.77588
3.07	37	21.44611
2.55	35.4	16.86999
9.09	4.86	0
2.41	9.64	-15.32796
3.27	8.55	-23.84512
3.98	9	-0.912945
3.75	9.06	-13.85891
8.4	4.32	0
0	3.89	17.40156
0	2.41	-22.04559
2.02	2.67	3.585434
3.85	2.99	-4.43483
26.8	3.52	0
4.55	0.93	28.78807
3.76	0.81	-4.900419
2.94	0.75	3.707978
2.88	0.75	-18.36758
9.22	1.97	0
1.67	6.66	-2.986144
1.8	6.69	-38.328
2.28	6.72	36.51927
2.32	6.56	27.27306
12.1	1.22	0
0.57	7.97	9.686744
0.56	8.03	-50.36664
0.85	8.38	-33.34531
1.26	8.67	14.92261
8.36	2.88	0
3.18	14.2	82.08867
2.4	12.4	-15.19138
2.86	12.8	-3.856418
3.54	13	32.08272
27.2	1.59	0
1.47	12	-20.44509
2.85	13.5	-9.100012
3.41	14.3	1.736433
2.4	14.3	28.87479
11.5	3.8	0
4.89	47.2	30.06294
4.14	44.3	-35.54552
4.78	43.1	7.425868

4.4	39.4	9.666999
9.48	4	0
2.65	19	8.649148
2.6	19.1	-21.20826
2.74	21	0.901124
3.94	21.4	-5.400771
11.1	5.19	0
0	5.62	82.11335
3.5	5.07	-21.54592
8.88	5.69	58.40173
4.62	6.53	4.89341
14.2	5.09	0
1.04	9.07	291.7847
14.7	9.54	-24.89763
13.2	23.2	38.28718
3.4	35.3	18.96204
28.5	3.12	0
1.74	12	3.850226
1.71	12.1	-20.03365
2.45	12.2	-10.2448
2.72	11.7	-16.08779
4.1	6.11	0
0	12.1	44.64387
0	8.28	-38.19137
1.08	8.86	21.44602
2.65	9.32	-33.61423
0	3.33	0
2.29	13.1	5.021502
2.22	12.5	-30.80401
2.42	12.1	29.76946
1.99	10.7	-16.77235
6.05	2.59	0
2.12	4.73	47.92959
1.47	4.77	-36.63871
3.02	4.93	32.89215
2.81	4.97	26.42665
0	0.79	0
0.53	9.25	-11.1946
0.67	10.9	-48.92256
1.08	11.2	16.08174
0.93	10.7	15.84214
24.4	2.21	0
2.74	8.56	11.40429



2.48	8.66	-33.19621
3.13	8.57	21.27007
2.66	9.04	24.60255
0	2.87	0
5.38	8.29	9.874534
4.18	8.17	-35.38147
4.64	7.67	19.67084
3.5	7.62	33.98414
23.8	1.16	0
1.1	4.42	32.27579
0.93	4.82	-42.30912
1.31	4.69	8.417127
1.38	4.88	27.29903
9.54	1.67	0
1.12	25.7	32.98301
0.85	24.8	-52.25963
1.44	26.1	-23.52864
1.96	26.7	13.81167
31.7	3.01	0
6.25	22.5	64.04043
3.46	22.3	-27.8562
4	22.1	21.4324
3.52	21.5	17.74718
6.18	4.2	0
3.68	11.2	0.963133
3.34	11.3	-24.45252
4.48	10.9	34.8947
3.29	10.5	45.12999
0	1.87	0
0.4	10.4	-10.13236
0.41	8.79	-44.37346
1.24	7.96	16.39465
1.06	7.47	-27.21561
0	4.22	0
3.19	6.72	17.83531
2.48	6.63	-29.24035
3.1	6.83	20.79594
2.54	6.85	-12.55465
0	3.2	0
0.7	24.6	-1.198551
1.66	23.8	-31.66033
2.88	23.4	25.09509
3.22	24.4	-3.641042

20.2	0.74	0
0.5	2.85	13.42519
0.57	2.68	-4.247678
0.52	3.17	-39.92687
0.92	3.95	26.36861
0	0.38	0
0.18	4.87	12.81643
0.15	4.18	-13.56293
0.18	3.76	16.62074
0.25	3.81	-23.78388
12.8	2.91	0
2.52	23.1	-15.06403
3	22.8	-7.801037
2.74	22.5	22.71254
2.39	23.1	13.59993
22.4	1.31	0
2.59	33.3	6.895965
2.23	31.6	-19.37202
2.13	30.3	3.50025
2.04	31.3	81.30071
7.84	2.8	0
2.08	8.06	32.91639
1.8	8.4	-41.51687
2.85	9.79	34.99208
2.44	10.8	-15.18143
18.2	2.86	0
1.88	17	18.9663
2.12	16.7	-23.49622
1.95	16.8	-3.976641
2.01	17	-32.86997
12.7	0	0
0.44	4.86	31.26563
0.36	4.89	-58.82299
0.68	4.41	9.837054
0.82	3.16	65.55594
15.4	0.25	0
0.76	6.07	73.32924
0.28	5.79	-54.34777
0.49	6.45	-8.746389
0.53	7.62	104.3877
25.3	1.26	0
0	3.71	67.84428
0	4.85	-37.38467

0	6.21	65.76168
0	7.84	5.10785
0	2.25	0
6.13	8.88	16.17565
4.91	8.91	1.933367
3.81	8.51	38.90976
2.8	7.91	24.56296
11.8	1.74	0
0	26.6	84.26305
2.27	22.2	-42.60992
3.06	21.9	12.87501
2.68	19.5	49.46639
4.68	2.27	0
3.81	12.3	36.90572
2.35	10.9	-32.14126
3.2	10.9	10.21896
3.04	11.3	33.2472
13.5	1.62	0
0.46	3.59	-5.958672
1.79	3.52	-51.43195
2.85	3.03	44.65191
1.96	3.29	17.65452
23.2	2.28	0
1.05	18.5	69.95984
2.19	18.3	-38.86894
3.92	20.8	75.18002
1.75	22.8	40.04716
0	1.79	0
1.93	22.2	-19.32238
2.33	22.3	-16.58552
2.19	21.2	17.96788
1.86	20.2	1.545419
13.3	0	0
0	0	86.95794
0	0.83	-31.61444
0	0.71	12.34806
0	0.78	-42.36986
0	1.5	0
0.9	182	11.89134
0.88	181	-35.16151
1.56	185.1	17.12758
1.3	194.2	-6.771501
8.5	0.71	0

2.47	19.6	33.21488
1.7	18	0.954413
1.3	16.2	57.55138
0.88	15.7	39.83079
9.5	2.62	0
5.15	14.3	54.29942
3.06	13.1	-25.56664
3.14	14	-0.382547
3.61	15.6	32.7884
9.03	3.53	0
4.46	17	24.17753
3.73	18.7	-21.28193
4.24	18.6	14.02161
4.1	18.1	24.31312
9.7	1.79	0
3.1	9.18	37.94216
2.09	9.61	-10.89284
1.87	9.21	-4.024189
2.06	9.18	19.29072
2.64	0	0
1.5	5.39	2.451099
2.24	4.68	-46.30617
4.57	5.54	2.925539
0	5.12	-0.64004
5.12	2.28	0
3.31	9.6	2.287359
2.76	9.38	-32.18993
2.87	9.42	40.22276
2.58	8.79	-10.49353
38.1	1.87	0
1.87	12	33.74112
1.48	12.4	-42.60737
2.93	12.7	41.98108
2.23	14	22.20235
41.4	2.62	0
2.15	7.41	34.01747
1.49	8.11	-29.55885
1.76	8.35	-2.8369
2.19	9.09	-8.324812
6.67	1.77	0
0.62	11.1	7.68291
0.79	11	-47.73703
1.07	10.4	-6.850343

1.14	10.6	-31.66114
0	3.89	0
3.14	16.9	18.62457
2.84	17.2	-22.369
3.08	16	30.39742
2.74	14.7	-4.140293
22.3	1.7	0
0	0	0
0	0	inf
0	0	201.2091
1.43	4.63	-1.605603
26.4	4.49	0
7.09	0.24	16.20374
5.53	0.2	-27.47654
5.92	0.28	14.92851
5.12	0.32	10.94615
20.6	0.46	0
0.65	29.1	-24.07192
0.71	40.7	-32.70319
0.73	53.9	-3.633816
0.72	49.7	50.22553
4.33	4.68	0
4.37	24.2	44.55955
2.67	22.8	-10.62518
5.17	24.1	35.30539
4.2	27	-0.969478
13.2	3.42	0
4.11	14.5	13.75495
5.25	15	-8.510962
4.27	16.7	1.284154
4.72	14.3	48.26907
13.1	0.73	0
0.58	6.34	39.64747
0.46	7.57	-42.487
0.72	9.2	22.90754
0.66	9.17	7.462954
14.7	3.46	0
2.94	20.6	7.211005
2.51	20.7	-21.00446
2.46	19.8	9.195548
2.98	20.2	2.553982
28.8	1.88	0
2.21	10.5	50.53932

1.25	11.5	-33.53905
3.87	11.4	1.721326
4.54	11.9	-24.26746
-2.31	2.19	0
3.53	5.65	51.01119
3.57	5.14	-31.21963
4.82	5.73	-24.74008
4.75	5.4	5.776034
7.77	3.91	0
6.12	21.3	29.57045
6.8	17.2	-10.12332
4.79	19.1	51.68417
4.07	22.8	8.889524
10.8	3.03	0
2.79	18.8	20.57853
3.32	17.8	-22.08576
3.29	17.9	2.392404
3.18	18.2	47.0745
8.63	3.79	0
1.76	35.7	21.00285
3.07	35.7	-26.63658
3.24	35.1	20.49294
3.54	34.5	-3.116799
0	2.3	0
1.27	35.9	25.81982
4.79	35.2	-27.25814
4.21	40	-1.425714
1.3	42.4	1.316754
0	3.36	0
6.59	24.8	18.44942
5.37	25.1	-14.73318
5.36	24.3	67.07867
3.51	22.8	31.58022
0	4	0
5.39	33.9	23.65504
4.26	31.8	-15.06474
4.76	30.7	27.56786
4.01	28.6	18.71579
-52.3	0	0
2.29	12	20.5717
1.74	12.3	-51.01745
2.75	12.5	-58.43455
0	10.7	22.28852

33.8	1.51	0
1.36	26.2	35.20847
1.12	27.2	-35.82634
1.47	28.4	7.607446
1.59	28.1	21.33438
14.4	2.34	0
1.66	7.35	4.454897
2.09	7.46	-26.48172
1.89	7.66	18.06633
1.72	7.95	3.539932
14.7	3.22	0
4.24	18.6	25.56141
3.83	21	-26.75908
4.28	22.4	68.18572
2.74	14.2	-7.609002
19.4	1.27	0
1.47	4.49	-6.959541
1.61	4.31	-15.638
2.35	4.7	23.49277
2.06	5.46	63.44698
10.7	1.07	0
3.02	36.7	23.06691
2.18	33.4	-10.00353
2.02	31.4	48.90722
1.44	32	23.58765
12.2	2.27	0
1.26	19.2	6.345055
1.45	18.5	-37.06631
2.23	19.2	-19.70374
2.75	19.2	18.07243
0	2.38	0
2.45	33.7	-12.17926
2.9	35	-35.80996
3.5	34.6	24.50511
2.78	31.5	28.71031
4.75	2	0
4.01	34.2	-1.448895
3.64	35.1	-16.72544
3.26	35.4	18.93092
2.58	34.1	23.23226
15.8	3.28	0
0.78	16.4	37.38336
1.04	16.5	-47.76256

2.3	18.4	-15.59372
2.69	18.9	-19.90399
21.5	1.89	0
3.09	12.2	24.40996
2.28	11.1	32.62084
1.33	10.3	3.487973
1.7	9.53	18.8071
27.6	4.61	0
5.56	28.7	-8.783706
5.62	27.6	-8.496543
4.69	27.2	3.805155
4.71	29.4	4.901386
3.17	2.19	0
3.76	20.3	-12.14666
3.6	18	-32.48232
4.12	18.3	-0.886331
2.25	16.4	-0.052262
23.1	0.87	0
0.73	4.67	20.20325
0.64	4.84	-31.36714
0.81	5.1	-12.46205
1.1	5.24	44.92941
0	3.18	0
3.35	12	20.59672
3.68	12	-12.67229
3.21	11.7	30.80485
2.77	10.7	0.645186
13	1.39	0
2.03	17	37.82277
1.35	16.7	-30.07903
2.29	16.6	-20.9641
2.41	16	115.2099
21.6	2.3	0
5.26	16.9	1.001133
4.77	16.6	-17.67962
0	15.7	76.46623
2.51	13.2	27.5384
17.8	3.13	0
4.29	25.7	18.22987
3.33	25.8	-8.830919
2.91	27.6	18.83764
2.5	30.7	12.1547
20.1	2.03	0



1.35	21.6	-12.10789
0.71	19.1	-7.682651
0.59	17.8	2.964373
0.85	17.1	-34.89374
0	1.2	0
1.33	19.5	17.86086
0.65	19.7	-23.86262
0.75	19.3	-7.215922
1.2	17.5	10.61542
17.5	3.48	0
2.54	9.68	15.52362
2.02	8.37	-50.42071
3.14	9.16	18.2405
3.16	9.42	-26.38778
21.8	2.85	0
4.29	16	16.01882
4	15.4	-0.159648
3.78	16.6	21.10978
3.69	15.3	62.63702
13.1	3.75	0
3.03	23.2	-20.0026
3.59	24.5	-31.796
4.07	24.5	25.83184
3.2	24.2	18.76599
8.54	0	0
0	12.2	7.361933
0	11.8	18.56213
0	10.6	31.1386
0	11.1	-2.658662
30.9	2.16	0
2.42	17	73.77743
2.62	18.7	-42.89258
4.3	22.1	49.17349
1.62	24.6	17.6686
13.2	1.98	0
2.54	24.9	-23.54763
3.54	24	0.827411
2.48	22.5	21.69898
1.92	25	-4.474342
22.1	3.42	0
3.85	17.9	28.02041
2.87	17.3	-6.525717
2.87	16.3	-4.562139

3.69	16.2	25.7326
0	1.17	0
1.86	12	18.43478
0.94	10.4	-18.5894
0.89	9.63	-2.484626
0.9	8.96	9.327012
15.9	3.3	0
3.52	7.76	33.15717
2.43	7.42	-11.91158
2.4	7.11	11.89755
3.25	6.89	10.02733
10.3	2.16	0
1.91	6.61	38.21561
2.26	6.45	-22.73257
2.54	6.8	0.162559
2.51	6.95	13.43287
0	4.45	0
3.31	16.5	4.105965
3.13	17	-35.19356
4.98	18	12.00738
4.39	17.5	2.167199
14.2	2.77	0
3.23	13.7	33.96036
2.34	14.6	-22.69128
2.56	14.9	23.82296
2.33	15.8	-0.140976
6.07	3.71	0
3.79	11.4	55.92216
2.84	11.8	-27.45637
4.15	12.9	69.41534
2.7	13.7	-0.461747
28.3	0.69	0
2.74	13.1	1.385395
2.38	12.8	-10.39098
2.62	12.8	-28.88826
2.73	10.3	38.60714
9.49	4.37	0
5.04	31.4	4.079625
4.25	30.2	-30.09563
5.22	30.9	18.22159
4.38	27.6	7.265877
0	2.68	0
2.24	27.9	40.61711

1.86	20.6	-16.83295
1.73	17	-3.158524
1.77	16	-10.74836
13.6	1.53	0
0.6	8.62	11.8011
1.06	8.55	-36.73386
1.59	9.19	20.60642
1.3	9.15	-12.01576
11.7	2.03	0
1.34	6.66	31.58773
0.92	5.83	-40.97513
1.2	6.35	-30.6702
1.88	6.37	-10.06647
10.3	3.71	0
1.01	6.49	95.72763
3.16	6.98	-28.8426
4.07	7.77	17.75199
3.95	8.03	5.80461
3.62	2.84	0
1.16	13.5	-6.882964
1.64	14	-41.18158
0	13.4	11.14682
1.85	12.9	-39.09849
18.3	1.68	0
2.23	10.3	36.50578
1.5	10.2	-19.13709
1.43	10	10.02465
1.26	9.94	24.32987
0	3.41	0
4.66	9.01	21.10903
3.53	8.66	-23.76143
4.19	8.01	45.73798
3.25	7.29	8.833418
33.7	2.19	0
1.4	0.38	23.74235
1.32	0.52	-33.99942
1.93	0.61	-12.14369
2.57	0.65	70.53168
21.8	2.2	0
3.68	21.3	11.59281
3.31	25.2	-29.14712
4.71	25.9	-32.22624
6.7	10.9	40.49175

20.4	1.79	0
2.01	11.1	39.39161
1.53	11.2	-28.56492
2.21	11.1	24.39485
1.84	12.1	6.502429
31.2	0.66	0
0.73	25.4	35.49512
0.6	29.2	-3.043617
0.68	31.9	8.920178
0.71	37.5	20.97694
59.4	4.26	0
1.2	-4.39	216.2533
0.95	-3.89	49.75424
1.1	1.32	-17.8278
2.52	4.56	-28.79358
35.9	5.04	0
7.7	24.1	-6.322984
8.23	23.2	-26.98378
6.01	17.3	-17.15176
7.27	14.7	44.82091
47.4	3.26	0
6.11	10.2	34.92619
4.92	9.58	28.77725
4.01	11.3	-4.029134
4.37	7.54	42.11578
25.5	1.92	0
1.37	23	22.78233
1.4	22.1	-23.75049
1.89	21.3	-7.36996
2.19	22.4	23.38639
17.1	1.71	0
1.62	25.5	64.90699
1.08	30.6	-19.98973
1.56	35	1.311296
1.76	40.1	17.88444
39.1	0	0
0	27.7	44.27352
0	31.4	-51.07033
0	31.8	58.45586
0	36.7	-10.70346
20	0	0
0	3.66	60.33956
0	6.57	-31.05358

0	34.7	55.23386
0	33.4	55.18436
35.2	1.82	0
3.3	45.3	48.87705
2.46	51.5	15.31565
2.47	39.4	12.30646
2.17	38.7	33.29375
27.6	0.72	0
0.71	16.4	51.47052
0.49	16.8	-13.83155
0.61	18.2	-27.94543
0.89	19.3	27.63276
36	2.26	0
1.94	56.7	8.763371
2	58.9	-14.96641
2.55	64.4	10.49482
2.49	64.5	11.50805
23.3	0	0
0	9.1	inf
0	6.67	-30.3058
0	8.95	1.285754
0	14.7	15.68117
28	0	0
0	26	10.95532
0	28.8	-17.42022
0	27.4	9.735836
0	28.6	-0.824487
-0.17	1.7	0
1.65	40.6	195.4769
0.62	50.6	12.02496
0.56	67.9	-54.43763
1.26	86.8	-24.91038
62.8	4.59	0
2.8	90	54.71641
2.19	119.4	-24.41519
3.24	125.6	-32.38913
5.33	133.2	22.59948
20.5	0	0
0	40.8	46.83748
0	47.1	-70.13565
0	45.8	-2.992642
0	49.9	10.35831
23.8	1.38	0

1.3	9.58	26.9386
1.12	9.65	-18.94161
1.54	9.71	-8.053001
1.84	14.7	40.92923
42.8	3.24	0
2.75	23.2	2.585451
2.85	24.3	-7.177317
3.27	25.1	-6.702686
3.73	26.6	24.02163
37	0.46	0
37	0.46	0
0	16.1	79.64803
0	16.1	0
0	19	-36.54363
0	19	0
0	20	25.40612
0	20	0
0	23	37.0408
0	23	0
60.6	8.08	0
9.53	2.3	20.84627
8.16	-1.27	2.42615
8.12	-2	-14.22667
9.74	-1.72	21.03767
18.9	0	0
0	8.71	12.27051
0	12.3	-38.31837
0	14.3	29.99907
0	19.2	47.49654
14	4.52	0
4.41	3.14	13.37281
3.89	3.06	-5.406669
4.09	2.94	-27.52705
5.53	2.74	26.64325
43.7	3.09	0
2.54	35.4	8.089145
2.61	38.2	-1.860216
2.87	40.3	-7.25565
3.36	42.7	17.1363
39.7	3.82	0
3.29	41.3	-4.425851
3.68	44.2	7.676441
3.71	47	-15.43338

4.67	49.3	33.40875
0	1.02	0
1.89	27.4	83.21838
0.99	29.3	-16.48456
1.38	32.5	-7.122175
1.68	38.1	84.92396
29	2.08	0
4.06	74.7	86.2891
2.17	79.2	-14.52945
2.25	53.3	0.542467
2.36	58.3	13.94398
65.5	3.19	0
1.99	8.65	25.87831
1.86	11.7	-25.77535
2.87	13.3	-15.56475
3.75	8.89	23.95441
54.1	2.26	0
1.46	35.9	15.91281
1.38	38.1	-16.07888
1.8	42.5	-14.36153
2.42	50.8	16.39715
0	1.15	0
2.59	51.4	78.03286
1.5	50.3	-0.567454
1.6	31.4	-4.005805
1.71	38.8	54.14828
45.3	2.85	0
2.95	19	-6.941883
3.4	15.1	24.62469
2.83	7.08	-3.883951
3.24	13.2	20.43485
25.5	0.97	0
1.03	4.23	36.00481
1.04	4.96	-0.931158
1.1	5.68	5.210287
1.1	6.69	72.22718
44	1.6	0
2.09	31.1	112.8473
1.59	31.2	-20.07564
2.1	70.5	4.239792
2.21	71.2	47.08705
31.7	0.73	0
1	16.3	67.56015

0.64	10.3	-15.13264
0.78	-2	3.348105
0.8	10.6	29.24247
0	1.27	0
6.38	5.69	123.4404
2.63	5.26	69.04234
2.88	7.44	42.68893
2.15	16.8	82.80952
49.2	0	0
0	0	inf
0	5.74	-82.38327
0	5.33	98.21406
0	3.64	349.1276
34.7	0.44	0
0.75	3.61	32.78889
0.59	3.72	0.807754
0.59	3.48	7.459973
0.56	3.76	31.40524
30.7	0.86	0
1.49	11.1	128.0953
0.7	13.5	-37.44225
1.16	14	42.00707
0.98	18.6	39.36749
15.6	0	0
0	28.2	79.49967
0	30.2	-47.54908
0	30.3	-0.395837
0	39.6	-24.87271
27.8	0	0
0	29.1	31.81655
0	33.6	29.07662
0	31.7	47.6907
0	41.1	28.13779
3.58	3.6	0
3.11	35.2	39.68959
2.3	37	45.02776
1.69	41.6	-26.9119
2.52	44.2	-30.30102
42.7	0	0
0	2.64	97.90073
0	2.9	17.59752
0	3.82	47.18121
0	5.63	128.6868



28.9	0.84	0
1.74	33.4	74.24457
1.15	39	14.40369
1.08	42.7	26.92315
0.94	49.9	23.67071
10.6	1.48	0
2.03	96.6	27.88742
1.64	96.2	-24.45822
2.02	83.8	8.334264
1.91	86.2	30.12841
50	2.31	0
2.51	53	6.547577
2.71	59.5	24.3634
2.54	65.7	5.462566
2.78	72.3	37.15472
23.4	0	0
0	-45.8	43.03432
0	-89.7	29.00453
0	-148.2	-9.795502
0	-271	17.14508
24.6	0	0
0	0.83	35.19468
0	1.19	-33.10625
0	6.5	-9.482827
0	4.98	46.89371
29.4	1.91	0
2.3	13.1	39.65572
1.66	13.3	6.522334
1.71	10	-11.7165
2.31	9.22	34.17971
61.2	2.99	0
4.57	75.5	69.94854
2.69	76.4	-25.66934
3.62	79.9	-5.933848
4.06	82.4	43.37693
16.2	1.69	0
1.79	17.8	56.31486
1.25	23	-22.71672
1.75	25.6	-0.250968
1.88	26.4	19.99712
6.02	0	0
0	14.4	88.26959
0	15.8	-14.5613

0	18.2	49.34938
0	20.8	119.9883
56.1	4.74	0
5.41	34.8	57.51491
3.45	33.3	-35.71344
5.38	36	-26.72082
7.35	35	56.32833
16.3	2.24	0
4.87	16.5	115.3986
2.87	15.6	25.02979
2.79	12.5	28.95125
2.29	14.9	5.456267
15.2	1.25	0
0.67	9.61	2.799979
0.88	10.6	-47.823
1.61	11.3	-3.175835
1.67	13.2	29.09272
0	2.46	0
3.04	28.8	90.72697
1.76	30.5	-25.77359
2.43	30.5	-29.87081
3.74	33.1	59.48796
17.7	3.23	0
1.26	22.9	-0.22562
1.42	26.2	-29.86786
2.11	11.6	-41.48147
3.62	17.1	12.7567
26.6	1.61	0
1.37	86.9	2.702497
1.39	81.5	-2.489394
1.48	85.2	8.567553
1.45	85.6	-6.113251
34.1	0	0
0	287964	34.92986
0	261628.3	1.640348
0	309142.8	11.43339
0	368883.1	33.1302
6.26	4.16	0
1.97	13.3	4.135394
2.29	18.4	-48.82145
5.15	16.7	-8.787538
5.71	12.9	38.3157
25.9	0.42	0

0.51	8.39	111.1293
0.24	9.39	-43.59155
0.43	11	-22.67068
0.57	12.4	34.57663
31	0	0
0	71.4	0.991005
0	75.8	4.505365
0	91.8	-16.08449
0	102.4	-23.14786
40.2	2.08	0
2.42	226	56.92589
1.75	245.5	-30.35375
2.94	250.1	-9.236591
3.29	259.8	60.12724
0	1.95	0
4.84	7.67	182.6531
1.63	8.13	-30.79548
4.36	8.08	1.304881
4.76	10.6	88.16807
5.58	0	0
0	4.6	71.08722
0	6.58	-68.89081
0	28.5	-34.29655
0	30	87.72849
34.5	0.78	0
0	117.6	49.60565
0	148.8	-25.22999
0	81.9	33.90748
0	-64.2	48.45592
25.5	0	0
0	10.7	25.25352
0	11.4	0.615038
0	12.4	18.60524
0	13.6	68.77521
40.2	4.56	0
3.08	19.1	-1.605556
3.36	15.6	31.55817
2.81	15	-38.85061
4.45	14.1	2.379429
52.9	1.2	0
3.72	5.77	54.74121
2.71	5.96	-12.48186
3.47	5.35	81.28594

2.19	5.54	137.6089
24.5	1.66	0
1.67	11.6	30.37362
1.43	0	-15.54379
1.95	17	13.79086
1.89	18.6	24.60769
33.9	0.49	0
0.85	13.2	44.37415
0.65	14.8	-6.828995
0.78	15.9	18.02575
0.76	19	54.4007
31.1	1.92	0
1	4.22	-0.993287
1.06	5.21	2.984957
1.11	5.32	-18.55349
1.49	6.54	-19.82942
13.2	0	0
0	9.65	241.1409
0	28.1	-19.93291
0	33.3	38.71712
0	36.8	50.12901
3.82	3.17	0
3.53	41.3	64.306
2.27	53	11.34523
2.58	73.4	6.710729
2.49	71.6	-22.49247
4.31	2.26	0
2.31	13.3	4.872855
2.1	15.8	-3.900059
2.25	13.3	-22.52513
3.03	11.6	36.99064
6.01	0	0
0	20.5	106.6568
0	25.9	-35.93701
0	23.3	-8.211242
0	24.9	97.83342
9.3	1.28	0
1.24	7.72	46.72151
0.86	5	-8.894344
1.16	14.4	12.97298
1.2	14.7	-1.588546
44.6	2.45	0
4.35	13.2	106.8855

2.11	17	72.36556
1.51	25.2	-25.5714
1.97	29.2	-5.86355
69.8	4.33	0
3.91	74.8	46.53964
2.77	76.8	-20.70046
4.15	78.4	21.03803
4.21	76.7	7.641879
36	2.94	0
2.57	19.1	-3.582458
2.88	21.6	-3.842546
3.18	24.1	-6.1262
3.61	26.5	32.71172
48.7	1.43	0
1.32	5.45	32.88516
1.03	5.68	-23.44583
1.37	5.78	-5.40078
1.5	5.74	11.32735
3.4	4.72	0
3.57	52.9	60.4949
2.24	57.5	4.960208
2.34	55	-29.35847
3.56	59	-18.79121
34.2	0	0
0	9.13	57.26349
0	10.1	-13.38693
0	10.4	53.0231
0	11.9	25.08402
56.8	3.51	0
3.6	49.5	85.53841
2.04	55.7	-26.51604
3.27	58.3	-26.83817
4.77	44	39.65273
0	1.44	0
0.55	122.5	94.79037
1.59	143.6	-37.06135
2.24	137.7	-6.262435
2.39	141.5	65.89996
3.57	0	0
0	18.7	56.49302
0	24.7	-54.58834
0	27.5	-4.498105
0	29.3	19.17332

1.35	1.87	0
4.24	4.66	0.983289
4.11	6.46	48.98132
2.57	-1	10.96593
2.2	-8.21	16.39506
24.3	0	0
0	23.9	113.7965
0	12	-55.40621
0	6.27	28.80435
0	5.21	99.60425
15.8	1.03	0
0.96	6.3	56.40544
0.92	7.95	-26.18792
1.5	8.36	18.96817
1.56	10.1	66.14644
24.1	1.49	0
2.62	26.2	31.33228
2.18	28	3.672586
2.19	28.4	6.688482
2.15	38.9	48.8573
31.9	1.2	0
2.07	30.9	60.207
1.46	32.8	-5.436907
1.59	31.4	29.66067
1.35	35.4	27.1354
1.38	0.89	0
1.75	20.5	29.27967
1.44	3.97	30.22813
1.15	5.13	12.78685
1.05	6.18	20.78259
4.21	0	0
0	45.4	21.3118
0	46.9	16.87905
0	48	-25.27689
0	46.6	-14.08566
38.5	2.87	0
2.84	13.3	34.11136
2.61	13.8	17.46951
2.5	14.5	-6.409352
2.98	15.4	12.348
22.2	0	0
0	40.2	99.63978
0	47.9	-51.75703

0	55.7	-22.67456
0	66.8	11.02641
39.7	0	0
0	130.9	0.259511
0	87.2	-52.77707
0	62.2	0.907761
0	85	-17.9834
20.5	4.4	0
7.42	70.1	65.46865
4.68	72.9	59.11358
3.16	83.7	-21.95595
4.13	87.8	-1.519303
20.2	0	0
0	1.38	48.89047
0	1.6	-16.64892
0	1.73	25.59857
0	2.19	45.02949
21.1	1.28	0
2.4	126.7	43.53948
1.64	139.6	5.78684
1.55	118.6	-2.069005
1.61	138.8	31.13838
22.5	1.13	0
1.09	12.9	-2.876528
1.16	13.7	-12.68051
1.37	15.4	19.90421
1.2	16.4	10.19918
26.8	2.26	0
3.39	62.4	71.93238
2.08	75.2	-16.62119
2.69	64	-3.546125
2.99	70.3	42.47099
26.1	0.75	0
0.89	8.05	36.0861
0.88	8.88	-3.03891
1.08	7.95	17.9356
1.07	9.17	63.67936
26.9	2.88	0
4.01	8.59	55.78
2.64	9.83	-20.61513
3.33	10	11.46767
3.03	10.7	6.203611
0	3.47	0

4.93	85.3	59.14488
2.95	93.2	-34.89823
4.42	93.8	-16.08768
5.45	99.7	64.14131
0	3.93	0
5.72	49	73.51624
3.29	51	0.62595
4.1	43.8	-46.33336
7.18	45.8	74.33172
5.54	0	0
0	14.1	4.679179
0	14.5	-0.817144
0	17	-14.23613
0	17.8	4.17739
17.8	1.61	0
1.23	20.6	7.418795
1.23	22.3	-20.44547
1.71	23.9	-1.331258
1.82	25.9	14.46062
34.4	0	0
0	0	inf
0	24.4	-75.91655
0	23.2	7.580333
0	25.3	203.6698
24.2	2.11	0
2.23	1.03	-5.035935
2.36	0.69	-2.921674
2.52	0.79	-2.421704
2.6	0.06	27.13696
30.8	2.94	0
2.18	19.2	21.58627
1.94	21	-41.21496
3.38	18.9	17.86801
2.87	20.1	0.466789
18.4	4.76	0
3.13	16.7	-9.894354
3.88	17.3	13.68574
3.6	18.6	-25.8817
5.14	18.9	7.921568
43.1	3.42	0
6.01	27.8	226.3489
2.47	34.4	62.30037
5.85	38.1	-12.61349



4.52	40.2	-15.47025
35.6	3.23	0
3.9	56.2	1.486978
4.11	57.1	17.70614
3.57	58.6	-3.790797
3.7	60.4	17.8376
38.2	1.72	0
1.82	66.7	27.18692
1.4	75.6	14.25349
1.3	61.1	-7.434255
1.52	49.4	-0.579132
29.6	0.54	0
0	0	0
0	43.8	inf
0.6	39.6	18.57106
1	35.1	125.1907
41.8	0	0
0	0	41.40673
0	3.68	-24.77746
0	4.95	49.4659
0	6.2	21.69258
20.9	2.33	0
2.75	15	24.27923
2.7	14.9	-9.472027
3.32	13.5	-17.22973
4.2	13.6	71.9216
53	0	0
0	36.1	10.06684
0	40.6	-30.57723
0	27.9	16.01353
0	45.1	39.99635
18.8	1.1	0
1.58	32.4	28.3229
1.3	33.7	49.75332
0.91	34.9	-27.8597
1.33	35.8	24.53426
4.55	0.53	0
0.78	40.2	37.63315
0.64	40.1	4.116099
0.71	48.4	8.64819
0.74	56.2	58.54798
61.5	3.48	0
2.25	5.43	144.6486

3.17	12.8	38.04684
8.64	16.1	-13.83031
6.22	17.2	-13.55292
2.57	0	0
0	4.22	136.6188
0	3.67	-40.60667
0	4.31	9.169553
0	6.05	80.7518
60.5	5.81	0
3.41	21.8	15.66944
3.26	19.2	-26.36805
4.72	17.4	-31.8392
6.94	14.8	19.80332
14.2	2.19	0
2.46	53.2	5.830353
2.42	56.2	0.201494
2.57	60	-10.6664
3.09	74.7	47.50753
16.6	0.95	0
1.05	32	31.59389
0.9	41.8	-15.25957
1.15	55.6	27.50751
0.98	66.9	58.76782
26.7	3.29	0
3.52	63.6	-8.079417
3.12	55.3	0.263218
3.12	49.8	-9.81069
3.96	53.6	29.47454
20.9	0	0
0	14.4	8.904762
0	11.8	-39.58385
0	8.37	10.05522
0	14.3	65.54682
31.4	0.43	0
0.31	54	36.62676
0.27	61.6	-17.7224
0.4	67.4	-25.38208
0.58	72.8	27.96285
15.6	3.5	0
1.31	19.5	56.31016
3.05	21	-6.779743
3.4	17.9	-1.09984
3.66	17.5	9.147625

3.86	0	0
0	2.9	88.13123
0	2.99	-50.42655
0	4.14	1.791752
0	5.65	65.34294
13.7	0	0
0	13.4	48.07434
0	14.5	-46.22274
0	13.7	-3.78538
0	14.8	13.79325
24.9	0	0
0	6.68	54.02406
0	9.05	-16.21248
0	9.42	66.73615
0	11.1	69.1776
21.1	1.45	0
1.35	42	49.9228
1.23	50.1	12.8513
1.14	61.2	-11.56356
1.47	79.1	4.528136
10.2	1.38	0
0	-0.83	87.02297
0	5.03	-65.8931
3.37	13.2	67.43094
2.23	-3.69	89.02121
13	1.03	0
0	2.51	28.24242
0	3.49	-11.08987
0	8.51	-9.874129
1.28	15.9	87.41393
48.7	5.27	0
4.93	7.19	694.2032
4.89	13.6	83.47108
8.16	16.6	-40.56595
7.52	18.5	-14.66105
20.3	0	0
0	4.09	96.82552
0	5.63	-22.70723
0	5.04	-29.7299
0	6.33	-14.51611
73.2	6.13	0
5.78	62.5	373.6789
1.68	66.5	40.91183

4.97	81.3	3.595654
4.45	92.3	83.78374
44.4	2.68	0
3.1	72	10.89658
2.94	63.2	-34.94583
4.81	60.9	26.87378
4	61.5	61.32605
7.17	2.99	0
0.69	26.5	-0.563531
0.76	28.9	13.6699
0.85	28.2	-55.19533
1.97	25.7	-34.04668
11.6	0	0
0	27.3	13.07713
0	30.8	46.49475
0	33.5	-31.93222
0	38.2	-43.67997
49.9	4.57	0
4.68	30	-8.953599
3.32	31.7	-5.871468
3.85	33.2	-42.07583
6.68	34.3	46.50308
19.9	1.47	0
0.83	-78.9	19.36293
0.77	-110.9	-31.52934
1.31	-119.7	-3.019134
1.43	-116.1	19.84257
2.75	0	0
0	52.4	inf
0	14	-72.40027
0	18.1	58.47575
0	17.3	123.9768
21	1.07	0
1.79	23.5	52.5972
1.18	27.9	-23.96231
1.53	28.5	-2.952791
1.59	32.5	47.38181
11.8	5.67	0
6.16	16.7	23.82283
5	22.9	-19.28124
5.9	24.9	1.469422
5.79	27.5	2.227957
24.8	1.83	0

2.11	50.4	-12.78515
1.72	49	-20.80171
2.29	54.6	16.05548
1.98	55.9	3.938615
48	3.67	0
4.19	64.3	15.85369
3.86	64.1	-7.776494
4.28	64.5	-6.399676
4.66	65.6	29.94426
10.2	0.23	0
0.47	0	73.11851
0.43	0	2.910016
0.43	0	44.4914
0.35	51.4	108.9285
53.5	4.26	0
4.38	34.7	170.785
1.78	38	45.13325
5.46	42	-6.769387
4.62	48.3	-6.183893
14.7	0	0
0	34.4	120.9467
0	43.3	-47.45803
0	49	-38.44579
0	59.2	-12.68065
49.7	1.63	0
0	41.4	80.34319
0	26.2	88.66844
1.55	27.5	19.30931
1.53	37.3	35.86698
20.2	3.09	0
3.27	45.4	28.95525
2.65	45.7	-35.30707
3.99	43.2	-2.486266
4.2	45.1	37.62541
22.5	1.1	0
2.81	35.9	58.14831
1.85	39.9	-8.857176
2.16	42.2	31.83898
1.74	46.9	72.93808
22.9	0.9	0
1.02	22.7	21.51726
0.86	24.4	-29.39385
1.29	25.6	0.890516

1.33	28.2	58.44199
36.3	3.75	0
4.55	37.6	12.64809
4.21	37.1	-3.855232
4.65	37	4.607898
4.7	39.3	34.09675
30.1	0	0
0	7.54	67.42755
0	8.61	-41.42843
0	8.82	-13.68173
0	10.9	9.310627
25.9	0.51	0
0	24.1	15.33267
0.49	27.2	-10.66355
0.59	26.6	-7.83083
0.63	27	19.89545
5.57	1.59	0
1.39	133.4	55.66374
1.04	147.8	22.93878
0.94	152.9	-18.92519
1.32	164.4	-9.501417
42.8	0.61	0
2.27	5.75	95.28065
1.33	9.34	48.06145
1.09	11.5	48.76709
0.8	12.7	49.69807
26.9	1.93	0
3.09	13.2	49.78201
2.08	15.4	-10.88587
2.36	21.6	-2.187323
2.35	29.7	23.38534
42.5	3.57	0
3.75	24.7	2.145811
3.92	27.4	5.853939
3.75	29.8	-8.554271
4.77	31.8	43.41055
30.9	0.58	0
1.14	30.1	103.6957
0.56	30.3	-38.17927
0.91	32.3	-3.414196
0.95	36.8	65.10985
41.5	1.87	0
1.46	119.4	15.30588

1.37	117.1	-31.13639
2.18	121.9	29.81001
2.38	128.6	30.77522
61.3	3.65	0
5.13	27.1	85.27261
2.79	27.4	-26.36738
3.96	28.7	-13.47934
4.87	28.8	35.90332
20.2	1.13	0
1.66	0	-11.61973
2.01	0	21.13587
1.78	0	11.55994
1.71	0	61.87755
63.4	3.33	0
4.06	90.3	65.85434
2.46	88.6	-34.95727
3.96	85.2	-6.320661
4.4	83.1	40.16378
0	2.11	0
3.15	240.9	30.73495
2.37	261.4	23.09664
2.05	205.8	34.44304
1.78	274.5	-3.988968
44.8	4.28	0
3.66	38.8	16.748
3.36	39.9	-2.713796
3.7	41.7	-21.69437
5.05	42.4	24.03197
35.8	4.37	0
2.6	40.6	-2.438755
2.84	42.8	-8.838984
3.32	44.6	-29.92424
5.06	46	25.57934
31.2	3.83	0
3.84	34.9	33.79698
2.88	35.1	-25.96398
3.48	26.8	-0.624825
3.75	25.9	4.248397
29.3	2.75	0
0	0	inf
2.16	39.6	88.77378
7.3	48.9	-4.199116
7.34	76.1	80.87681

13.4	0	0
0	18.9	86.48742
0	15.3	-38.52389
0	19.2	-10.7014
0	13.8	54.11129
10.4	1.22	0
1.18	14.1	41.33909
0.94	20.8	-23.53348
1.37	23.1	0.656354
1.27	16.6	4.678058
67.7	3.93	0
3.1	18.4	76.48289
2.53	21.6	-9.3916
3.36	23.7	-8.24607
6.23	77.9	59.03953
18.9	3.26	0
10.7	39.4	97.88878
5.46	39.5	67.02051
3.18	46.8	-7.956103
3.59	50.4	23.55605
28.1	0	0
0	38.2	57.66944
0	38.1	-32.10351
0	40.6	1.605465
0	46.6	57.12232
38	0.92	0
1	21.2	43.48662
0.74	27.8	-1.908632
0.83	35.6	-0.968919
0.92	43.4	6.214804
43.7	0	0
0	0	-0.42284
0	0	8.372406
0	0	72.73759
0	-28.5	132.5467
22.3	1.99	0
2.31	2.46	32.29329
1.96	2.63	-15.05499
2.55	2.81	19.3121
2.4	3.04	34.88222
12.4	2.01	0
1	72.2	-8.169259
1.27	84.8	-33.30297



2.87	98.8	42.6777
2.13	99.4	12.46662
62.3	3.85	0
6.16	35.4	79.90543
3.56	37.4	-14.53085
4.37	40.7	-10.58204
4.97	34.9	35.70999
30.9	1.59	0
1.12	79.4	-11.5201
1.41	77.6	-24.53938
2.21	76.8	-44.43482
4.3	25.3	72.56435
0	3.36	0
4.65	30.2	81.78026
2.76	29.9	-17.88639
3.67	22.1	-35.52134
5.99	22.9	87.25753
43.2	0	0
0	52.1	37.83321
0	56.2	11.2366
0	54.6	2.968876
0	62.1	45.18619
31.3	4.03	0
5.25	13.5	30.19582
4.05	14.8	3.794246
4.1	18.3	-6.702982
4.63	18.8	19.64407
43.9	0	0
0	48.4	1.592802
0	49.1	0.196382
0	48.7	4.038285
0	49.7	67.70038
5.98	7.45	0
0	8.29	121.947
2.34	9.85	-21.89411
4.52	11	-26.64119
6.14	11.2	6.397265
32.3	0	0
0	1.01	207.5408
0	1.56	-18.03459
0	-0.53	-1.764151
0	0.53	36.17144
27.1	0.44	0

0.46	22	30.69909
0.37	26.6	-16.31765
0.44	26.8	0.61273
0.43	28.9	9.425476
22.3	1.28	0
22.3	1.28	0
1.73	17.1	40.13609
1.73	17.1	0
1.21	18.8	-30.26936
1.21	18.8	0
1.73	20.4	-10.1684
1.73	20.4	0
1.76	19.9	34.13119
1.76	19.9	0
19.6	5.94	0
5.76	20.6	70.57772
3.56	22	-25.34844
4.89	23.5	-4.982658
5.33	23.7	-2.729701
37.5	1.31	0
0	6.71	119.9051
0.8	9.98	-16.88999
1.86	10.8	6.037264
1.76	11.6	35.3503
18.3	0.14	0
0	0	0
0	0	0
0	0	inf
0.19	20	38.65781
6.34	0	0
0	0	0
0	0	0
0	0	0
0	0	inf
28.2	1.46	0
2.35	27.8	38.83323
1.87	31.2	-38.58835
3.3	30.8	14.32699
2.88	33.7	102.9365
20.9	0	0
0	12.3	159.0689
0	4.2	-13.96346
0	1.41	8.788007

0	8.65	53.59247
58.2	1.86	0
2.43	12.9	21.78845
1.96	-0.98	1.484563
2.22	0.1	-29.14246
3	2.18	55.57685
16.5	0	0
0	21.8	138.492
0	35.3	-76.32914
0	37.5	-31.28297
0	39.6	94.07283
11.9	1.88	0
3.35	53.2	50.2948
2.35	58.1	21.56674
2.01	93.9	-5.242098
2.21	73.3	27.08798
23.1	0.64	0
0.54	29.8	77.17633
0.31	21.5	-25.67948
0.41	29.2	39.63958
0.29	27.2	58.14809
21.9	3.52	0
3.32	15.3	3.568415
3.3	15	29.3411
2.65	16.6	-22.16352
3.64	17.3	0.500474
9.97	0.92	0
0	30.9	59.91808
0	37.8	-30.15598
0.93	47	-32.11412
1.32	53.6	52.51541
8.31	3.44	0
3.49	26.8	43.10819
2.49	22.9	35.21253
2	27.1	-29.19111
2.98	30.9	-9.576628
46.8	3.49	0
4.68	17	11.687
4.38	17.2	22.02043
3.68	17	-2.467832
3.86	18.2	13.43402
43.6	0.97	0
0.49	108	-11.04357

0.7	92.4	-17.31233
0.8	82.4	-22.2966
0.96	86.4	-2.594174
26	0.9	0
0.93	79.6	4.840745
0.89	84.5	22.35622
0.73	47.3	-2.985667
0.79	50.7	-10.58816
23.4	0	0
0	-0.44	-1.043123
0	0.36	8.632471
0	-1.42	-16.23667
0	-7.14	113.4365
19.6	0.73	0
0	0.77	91.19252
0.77	-5.43	-19.93784
1	-11.8	-6.879868
1.07	-7.5	55.8127
9.16	3.02	0
3.92	-1.71	41.70545
2.56	-4.02	-7.517186
3.57	-2.49	-20.02926
4.01	-2.63	36.20881
21.8	2.46	0
1.49	6.02	109.8189
0.72	6.59	45.93545
1.34	8.9	8.082881
1.62	10.8	-30.71573
23	4.2	0
3.29	22.4	16.54506
2.84	24.6	-31.27678
4.26	23.1	-31.16587
6.22	15.3	48.69017
53.9	5.28	0
5.49	12.9	31.82354
3.38	12.4	-32.98483
5.05	12.6	-31.83948
7.51	12.6	81.7769
8	0	0
0	27.6	17.49879
0	29.2	-10.50011
0	32.1	-9.506898
0	32	3.616494

16.2	2.56	0
5.56	12.2	72.41507
3.28	13	-3.377881
3.34	16.3	6.006827
3.14	16.1	34.57902
52.7	0.25	0
0	-4.82	64.76869
0	-3.19	-9.241314
0.45	-4.06	6.536186
0.4	-8.08	49.81453
31.7	0	0
0	10.1	4.262935
0	17.1	-10.08384
0	19.8	-4.261699
0	21.3	17.82624
24.9	2.21	0
2.26	26.6	30.03194
1.79	25.8	-8.454317
2.01	26.5	-13.99248
2.4	26.4	12.05077
11.1	3.69	0
1.91	11.9	-12.60776
2.32	12.7	11.70855
2.21	14	-31.69353
3.43	14.1	-4.162624
27.1	5.92	0
0	8.71	62.57441
0	8.31	10.95604
2.57	9.59	-17.91235
4.68	9.65	13.92298
25.4	0.32	0
0	11.6	69.2639
0.27	8.39	17.98828
0.44	8.19	19.61518
0.46	9.65	129.6862
23.3	1.22	0
2.69	37.8	37.45613
2.11	40.9	17.36834
1.89	45	19.34731
1.72	53.8	52.46425
2.85	1.33	0
0.63	115.5	12.67734
0.61	135.7	17.97366

0.57	123.9	-8.596071
0.68	133.7	-50.03443
0	3.94	0
5.75	10.7	114.3672
3.94	12.2	-4.249955
4.1	10.8	-36.49637
6.49	11.3	65.18319
8.59	2.16	0
2.79	49.4	36.2688
2.25	52.8	26.33791
1.83	92.4	-15.71637
2.28	96	13.36149
27	1.26	0
1.17	31.8	31.1857
0.97	36.7	-0.646484
1.08	37.8	-14.29854
1.34	45.5	14.87206
33.9	0	0
0	6.04	56.39359
0	10.8	-46.48604
0	6.69	8.499161
0	16.4	12.82833
19	0	0
0	31.9	69.15618
0	31.3	-22.58222
0	29.6	-16.09188
0	33.5	21.39887
29.5	2.27	0
2.33	8.82	15.36129
2.14	10.9	-8.068341
2.45	9.39	2.310002
2.5	9.8	16.03116
4.19	0	0
0	11	-21.93676
0	14.4	12.18132
0	19.5	-29.55952
0	23.3	21.85243
26.8	0.08	0
0	21.7	55.00618
0.15	21.3	-9.94798
0.16	27.9	20.42231
0.13	24.2	60.24373
18.8	0	0

0	8.66	46.34084
0	8.27	-16.93588
0	8.69	-48.5242
0	11.1	77.08164
14.2	0	0
2.98	17.6	9.822362
2.84	22.8	-39.79823
5.02	24.2	25.4202
1.4	24.4	-36.62828
0	0.65	0
0.84	5.24	61.04407
0.57	0	18.50174
0.5	0	3.753686
0.5	8.27	96.35521
60.7	1.08	0
1.27	34.1	47.22791
0.95	39.2	-30.78786
1.57	41.2	10.03321
1.58	45.2	60.93895
20.5	3.26	0
5.84	24	12.69828
5.24	22	11.68371
4.76	27.7	3.75811
4.66	27.2	45.80919
15.1	1.58	0
3	54.8	234.5412
2.14	89	-32.79328
3.35	70	-32.50869
4.96	67.1	55.22698
11	3.77	0
4.69	19.2	11.84738
4.13	23.6	-37.4653
5.47	25.5	-3.95135
5.54	24.3	47.41853
27.5	0.67	0
0.75	18.7	107.5035
0.44	32.7	-28.80573
0.72	51.7	12.25706
0.74	62.4	27.42199
33.8	0	0
0	27	64.51251
0	33	-33.11903
0	32.6	5.47574

0	38	101.0772
20	4.6	0
4.73	33.5	94.61134
2.68	36.3	-40.17902
4.87	31	-17.1312
6.18	32.1	37.78057
55.1	3.37	0
2.2	14.8	61.10195
1.65	16.2	-20.49625
2.75	16.8	-8.477763
3.55	16.6	13.64951
33.2	2.24	0
9.49	2.96	75.9332
5.42	3.03	10.23617
4.94	1.65	16.81487
4.46	0.69	120.0869
13.2	0.95	0
0.89	24.1	60.95652
0.61	28.3	-15.44643
0.95	34.5	-0.026843
0.99	38.1	4.767944
0	2.23	0
3.67	80.6	68.00517
2.35	86.9	-26.13798
3.17	89.1	7.688097
3.06	102.5	58.20304
7.1	0.26	0
0.97	10.8	73.41054
0.53	15.1	2.375966
0.49	19.8	75.10854
0.27	21.7	-9.19576
25.4	1.2	0
1.16	0	8.872864
1.11	17.7	19.34591
0.97	18.3	-30.78278
1.49	21.7	30.96258
10.7	0.82	0
0.8	45	47.93044
0.6	49.2	-18.38928
0.79	47	10.62496
0.79	50.9	6.349725
33.7	3.09	0
2.95	24.7	18.79759



2.6	27	6.622545
2.58	29.3	-22.58392
3.24	29.7	9.251821
14.4	1.94	0
2.46	24.7	66.38721
1.47	26	-22.62462
2.39	24.7	-18.19297
3.04	24.7	54.13276
0	0.5	0
1.58	21.8	142.232
0.73	29	-9.370224
1.26	27.8	11.2234
1.2	30.9	163.4314
41.9	0.84	0
1.83	15.6	85.57249
1.13	21.6	-19.38527
1.62	27.7	37.10055
1.26	18	48.3752
19.1	2.8	0
3.63	9.9	-3.331776
3.78	11.1	24.98768
3.07	12.9	-34.19764
4.66	12.3	62.15597
23.1	3.58	0
0	0	0
0	0	0
0	0	inf
4.29	5.78	22.8181
26.9	2.79	0
2.23	16.7	35.18443
2.08	17.4	9.587253
2.02	17.8	-25.14675
2.86	18.3	6.60203
0	4.69	0
5.7	16.4	70.89124
3.18	17.2	-22.04094
4.31	12.2	-44.11442
8.13	12.1	72.06517
22.2	0	0
0	18.3	68.95996
0	21.4	-4.209126
0	22.6	-33.05838
0	28.4	24.0434

19.6	3.63	0
3.23	0.77	-3.320051
3.52	2	-3.802401
3.73	1.87	-3.702123
3.95	2.41	10.97555
60.5	4	0
3.9	12.6	212.142
3.01	17.8	-5.743865
4.36	15.7	-17.95614
5.56	15.3	51.16791
43.9	4.63	0
8.82	14	40.98244
6.45	13.6	5.168591
6.25	13.6	-10.23749
7.01	13.6	53.92028
18.4	1.89	0
2.11	105.9	29.87724
1.77	98.2	5.21555
1.8	96.3	-30.56692
2.62	99.4	40.84428
12.2	3.22	0
0	18.6	65.33958
1.82	21	-6.973436
1.98	18.9	-22.45981
2.77	22.8	-16.467
13.1	1.25	0
0	91.6	41.31496
0	109.4	-26.91288
1.28	111	-16.28451
1.45	90.3	14.62274
32	1.2	0
1.52	3.34	61.07501
1.06	3.93	-30.2909
1.7	4.43	39.02531
1.37	6.17	27.91461
19.1	1.86	0
1.45	1.66	-11.19631
1.67	3.32	49.08921
1.15	2.71	5.536349
1.25	1.79	-15.09338
33.3	1.89	0
0	4.5	-19.2295
0	3.4	-4.410822

0	4.92	28.98172
1.67	6.57	4.975107
12.6	0.86	0
1.64	26.8	19.92527
1.44	29.4	-1.851813
1.42	30.5	-9.243716
1.57	31.3	96.58061
14.7	1.17	0
1.42	54.4	40.96852
1	66.1	-22.92615
1.83	84	26.25568
1.44	94.5	56.89888
21.1	0.77	0
1.13	-1.04	5.29625
1.23	-7.59	-23.17897
1.79	-6.59	54.34222
1.2	6.39	64.72409
38.4	1.17	0
1.75	85	41.4888
1.33	91.1	-8.673534
1.55	84.2	23.12731
1.35	81.6	23.04675
7.76	0	0
0	-2.28	114.804
0	-2.08	-19.09086
0	-0.89	-0.352395
0	0.47	50.56728
11.8	2.42	0
2.97	22.2	-6.442788
3.37	32.6	38.65005
2.47	31.3	-12.95291
2.83	29.9	16.99151
16.2	0.31	0
0.72	0	50.84966
0.45	0	-4.04359
0.43	0	1.496894
0.4	0	25.56089
15.1	1.76	0
1.52	3.39	35.50555
1.37	2.86	-23.81205
2.11	-5.75	-12.17307
2.34	-19.8	36.87497
10.2	6.15	0

6.14	22.1	35.1414
4.87	38.1	-17.78497
6.1	39.3	15.71859
5.52	39.6	-3.59238
0	2.73	0
4.25	117.6	42.47381
2.99	124.8	53.57554
2.85	136.6	-36.05094
4.64	148.7	77.42494
14.5	0	0
0.05	18.5	123.9561
0.02	18.3	-37.79675
0.03	12.5	-13.54344
0	12.6	0.88287
57.9	1.12	0
0.89	-4.75	89.02483
0.63	-3.77	-30.82135
1.05	-13.6	0.522391
1.15	-16.1	17.00004
6.53	2.28	0
7.86	32.3	119.2009
3.52	42.3	34.58446
2.04	58.5	3.694946
2.04	64.8	-17.4932
64.3	0.95	0
0	0.79	72.99916
0	3.75	-0.56974
0.75	1.24	8.262729
1.11	-3.39	32.62146
29.5	1.47	0
1.8	18	60.49217
1.28	19.7	-3.562129
1.44	20.7	14.30016
1.51	23.5	16.93082
31.5	0.52	0
0.86	94.1	47.73463
0.62	104.1	-13.92368
0.78	112.2	18.70105
0.73	129.2	47.64847
19.4	1.44	0
1.04	1.4	14.07478
1.43	0.49	-33.60959
2.38	-1.3	9.492205

2.2	-0.13	49.04864
61.6	0.51	0
0.55	5.52	14.56641
0.53	6.94	-3.911666
0.6	7.25	10.25166
0.61	7.17	35.88244
28.3	0	0
0	-5.1	40.20227
0	-0.12	-70.96495
0	-1.89	-23.41839
0	-0.95	0.502847
18.8	2.16	0
1.37	15	-10.80852
1.7	16.6	-0.952714
1.87	17.7	-19.42099
2.45	18.6	22.03718
53.8	2.43	0
2.42	-12.4	15.69948
2.25	-6.27	10.13903
2.21	-9.82	-6.130294
2.57	-7.45	10.3024
1.59	0.57	0
1.14	37.5	34.41396
0.9	27.8	76.44408
0.55	-10.7	6.867043
0.55	-9.3	6.801343
28.4	3.09	0
2.31	38.8	19.30489
2.1	37.8	-28.46199
3.13	39.3	-19.32432
3.94	39.5	24.66868
45.4	2.94	0
3.24	12	17.17095
2.95	13.4	14.53249
2.74	18	2.066017
2.84	16	1.984781
8.82	2.62	0
4.86	77.4	56.63863
3.06	78.3	8.407417
2.73	27.4	-23.40227
3.5	31.5	30.36307
50.9	0.34	0
0	42.5	20.10632

0	51.2	-70.77709
0	48.9	195.8619
0	59.7	92.38168
31.3	0	0
0	13.1	43.10904
0	17.4	-16.86277
0	-3.16	-26.06647
0	-2.08	31.32069
29.9	2.4	0
1.4	11.7	53.07566
1.18	10.6	-14.28512
1.91	10.7	10.50436
2.32	11.7	5.424476
42.5	0.44	0
0	34.2	37.93264
0.58	38.6	-23.99359
0.85	44.9	23.48316
0.7	39.9	59.06618
54.3	0.77	0
1.11	15.3	62.64956
0.75	18.6	-29.38031
1.15	24.2	42.58065
0.89	28.1	28.2744
56.7	3.86	0
3.43	0	76.26809
2.01	0	-23.08356
3.19	51.2	-24.18039
4.77	51.2	29.68808
-116.1	0	0
0	7.6	421.9101
0	36.8	-57.61572
0	48.5	-52.26755
0	32.3	-25.3855
13.3	0	0
0	118.2	63.37144
0	129.7	-48.80404
0	125.3	-17.64361
0	117.4	68.7421
4.66	0	0
0	40.5	56.18076
0	46.9	19.87724
0	60.2	-7.639546
0	71	-3.020208

21.3	3.17	0
0	63.3	25.25287
3.08	62.2	15.7195
2.97	63.7	11.20516
2.88	61.8	-6.884211
21.3	2.69	0
2.37	19.4	11.90155
2.3	19.9	-0.399866
2.5	19.8	6.145057
2.58	20.6	3.968788
26.1	0.54	0
0.63	20.2	68.0393
0.46	25.7	-32.78376
0.87	33.9	18.90092
0.99	41.9	131.801
28.5	0	0
0	4.41	11.32317
0	5.9	9.6309
0	6.57	7.716968
0	7.73	-2.946417
45.6	0.74	0
0.85	8.81	52.14113
0.61	14.6	-34.39867
1.04	12.9	13.73866
1.01	19.1	48.37616
0	3.14	0
2.91	51.3	115.3032
2.72	54.8	-24.7274
3.77	54.7	-17.13844
4.82	55.2	62.51572
29.3	0.87	0
1.62	-2.32	57.09167
1.14	-0.85	-0.834117
1.26	-0.44	10.52411
1.27	3.53	63.82423
13.8	1.94	0
0.82	4.99	40.46836
0.66	6.62	-44.55764
1.3	8.47	5.534462
1.34	9.01	-26.55061
12.4	1.84	0
3.8	7.99	26.48453
3.26	12.1	7.577759

3.13	16.5	-7.842727
3.57	17.9	88.57358
63.8	0.03	0
0.13	0.49	106.057
0.06	0.68	-46.04293
0.12	1.06	195.2638
0.04	0.89	236.1823
20.2	0	0
0	764.4	16.97247
0	825.2	-20.13214
0	869	26.26708
0	1228	60.54615
35	1.65	0
1.11	31.7	40.88699
1.12	24.8	-25.21697
2.23	28.9	10.16203
2.38	34.2	42.437
35.4	1.27	0
1.62	12.3	76.57143
1.03	12.9	-12.81664
1.28	12.2	-21.45318
1.8	11.3	80.70062
24.9	1.75	0
4.37	1.87	104.9519
2.24	2.44	-24.46107
2.88	3.85	-1.480922
2.81	5.52	63.64101
27.6	0	0
0	24.2	45.48239
0	34.4	-56.96123
0	45.5	36.38424
0	50.6	79.51062
47.4	2.13	0
2.55	28.6	-14.70099
4.07	28.3	-21.00345
5.13	26.6	-9.578418
4.13	31.2	73.73532
13.2	0.73	0
13.2	0.73	0
1.52	14.7	74.59016
1.52	14.7	0
0.87	13.6	-27.37889
0.87	13.6	0



1.18	14.4	21.74183
1.18	14.4	0
0.97	14.8	32.93129
0.97	14.8	0
53	2.6	0
1.91	21.4	16.73739
1.8	21.7	-7.258411
2.15	22.5	-25.45144
3.27	23.5	40.50281
43.8	3.02	0
3.66	14.5	10.0341
3.57	16.1	8.566441
3.63	17.3	-1.228342
3.98	17.1	57.9607
30	1.24	0
0.81	31.2	31.60366
0.8	38.2	-12.47995
1.15	39.5	-6.445675
1.28	40.4	18.59675
48.9	2.14	0
1.8	58.6	34.26386
1.49	59.3	-21.8085
2.16	54.2	-23.93042
2.88	56.6	34.80588
0	2.96	0
3.58	52.2	56.85222
2.28	53.9	-30.92687
3.54	49.9	-23.60754
4.61	53	49.16853
16.7	1.63	0
2	68.1	17.20946
1.76	72.3	48.96103
1.26	92.9	-16.22472
1.6	107.7	4.177238
25.7	0	0
0	15.2	107.6404
0	7.76	-26.85559
0	0.4	-17.37606
0	0.81	82.24525
14.1	1.51	0
3.37	34.9	127.4231
1.45	48.5	7.065963
1.49	72.9	5.523527

1.37	85.5	-8.581215
22.2	0	0
0	0.62	32.34864
0	-0.16	24.83999
0	-1.35	5.930309
0	-2.08	21.21502
36	0	0
0	8.37	100.7829
0	10.4	41.26026
0	14.4	-3.738695
0	18.3	11.40545
28.6	4.12	0
12.9	13.9	120.0031
5.88	13	-5.877
6.26	14.1	43.20371
5.82	33.6	46.99316
48.5	1.75	0
0.44	14.4	268.6689
0.12	14.9	113.1611
0.72	23.9	-18.24843
1.17	23.6	-14.00429
32.5	0.51	0
0.32	13.7	76.98376
0.23	15.4	-23.48944
0.44	17.1	36.96985
0.42	18.2	5.431123
16.1	2.74	0
5.51	14.5	42.6178
4.11	15.5	2.289406
3.86	15.8	-0.352648
3.76	17.7	35.36044
40.7	0.92	0
1.71	4.38	55.24352
1.33	3.46	-20.47296
1.65	-1.66	33.50453
1.57	0.31	73.71291
17.7	1.59	0
1.31	-8.31	28.50502
1.2	-8.09	-12.45295
1.62	-10.3	4.88731
1.78	-11.2	25.67239
15.9	4	0
2.32	18.7	5.276746

3.19	21.9	7.637472
4.44	25	30.61093
5.12	30.2	25.73637
38.1	0.2	0
0	10.5	21.38264
0	10.7	31.62594
0	11.2	14.02198
0	11.8	24.86054
17.3	2.16	0
1.67	24.9	24.40928
1.47	27.4	-29.61424
2.17	28.3	7.060941
2.13	32	1.368137
37.3	3.19	0
6.04	17.9	4.839297
5.76	17.2	-11.94833
3.39	20.8	-7.884179
3.94	18.7	32.30798
30	0	0
0	12.4	53.47639
0	17.2	-8.108452
0	19.1	20.59331
0	22.8	35.50072
20	2.19	0
2.76	34.7	20.18515
2.91	39	-13.29942
4.14	43.2	20.50903
3.3	43.8	50.70585
11.9	0	0
0	1.11	202.4491
0	1.23	-64.71705
0	1.19	77.24342
0	1.54	209.5247
13.9	0	0
0	1.39	137.5618
0	1.8	2.582524
0	0.9	44.84435
0	2.72	58.67522
9.99	1.88	0
3.36	0	33.16636
2.65	0	-47.00922
5.05	0	-41.59281
1.82	0	3.93996

25	1.04	0
1.69	49	42.0783
1.39	59	-1.73911
1.82	72.1	26.75815
1.6	88.4	69.14385
19.4	0	0
0	16.9	25.14553
0	19.7	-63.5032
0	18.1	-43.80246
0	19	39.89632
44.5	2.77	0
3.02	7.81	50.33904
2.14	8.98	-2.882106
2.64	9.78	-7.483716
3.22	9.59	27.40132
30.8	0.87	0
0	11.8	51.28975
0	15.6	-37.69965
0	19.3	-29.62682
0.63	25.7	-32.62456
24.8	0.93	0
1.53	12.6	47.87735
1.08	14.3	-42.53537
1.96	16.6	37.9704
1.5	19	69.18606
18.9	3.26	0
3.07	9.85	21.30048
2.66	11.8	12.36288
2.52	13.6	-10.07708
3.12	13.9	1.00899
36.7	5.89	0
4.28	12.4	24.38571
3.57	12.7	8.545751
3.37	17.3	-35.20356
5.37	15.9	-6.30203
39.6	4.09	0
6.76	-7.04	33.07568
5.29	-7.59	-2.542626
5.49	-8.63	-3.25613
5.82	-5.89	48.02161
2.91	3.77	0
7.72	43.4	60.76856
4.92	43.8	52.97836

3.72	64.8	-0.114313
3.74	69.4	0.689859
39.4	4.02	0
4.07	50.7	-20.77919
5.15	52	6.151096
5.07	53.6	9.116813
4.73	54.5	18.03722
12.5	1.32	0
0.66	14.5	47.00079
0.62	49.8	-39.72312
1.25	27.4	-1.613085
1.39	36.6	13.24281
13.5	3.46	0
5.71	56.5	65.04715
3.82	61.2	21.19999
2.91	38.5	-24.02105
3.96	46.4	17.9651
70.5	3.31	0
2.34	43.7	46.14958
1.74	44.8	-2.690701
2.8	61.3	-12.39516
3.52	62	17.46191
5.1	4.11	0
6.87	165.9	68.50128
4.18	162.1	-8.003561
4.56	44.8	-15.85096
5.51	73.7	36.77378
37	2.72	0
3.37	31.3	9.657285
3.2	30.5	-11.18031
3.76	28.9	4.806367
3.79	29.7	46.59584
70.7	3.57	0
3.49	39.2	45.36525
2.41	40.5	-6.045633
2.57	41.4	-23.21356
5.02	42.1	40.03863
22.2	0.61	0
1.18	24.4	11.39968
1.16	29.1	-24.52272
1.49	37	69.48629
0.89	47.3	71.5471
30.9	2.03	0

2.11	4.26	7.821507
2.04	8.5	-10.79256
2.52	16	-10.10997
2.97	19.2	55.1698
8.64	0.12	0
0.32	29.8	99.41278
0.2	34.3	16.81737
0.2	36.5	18.47761
0.19	42.4	91.9174
19.3	1.92	0
1.83	51.6	9.391688
1.69	52.4	-8.548167
1.83	53.9	-11.64025
2.19	58	19.61485
15.9	2.07	0
3.5	44.8	62.58919
2.3	47.8	5.042908
2.31	48.8	-19.4462
3	44.8	43.89077
16	1.64	0
0	38.1	91.44378
2.16	35.8	-32.36773
3.22	34.1	15.6855
2.68	35.5	70.8016
0	1.21	0
1.94	34.3	93.50756
1.05	39.6	26.42015
1.14	44.8	-22.24769
1.76	47.9	51.94787
90.2	5.23	0
4.85	30	39.32078
3.96	49.9	38.35227
4.78	43.1	-14.86722
6.65	45.4	60.77466
62.5	3.69	0
6.69	35	97.96244
3.38	35.8	-14.0482
4.18	35.5	-3.104505
4.47	39.3	32.55844
32.6	0	0
0	144.7	16.31861
0	180.2	20.63526
0	224.3	2.664258

0	242.1	20.87356
0	4.16	0
4.66	17.3	77.00193
2.87	17.7	-9.67505
3.66	15.5	-34.64289
6.75	16.1	64.26254
30.8	1.17	0
1.93	26.6	51.9892
1.37	28.2	-1.396406
1.49	30.5	10.0872
1.45	33.5	34.37844
34.8	0.87	0
0.81	16.8	37.73899
0.64	20.5	-16.37002
0.81	24.2	-36.89904
1.4	28.2	76.44996
30.4	0.23	0
0.22	30.4	54.10753
0.16	53.6	-23.13492
0.21	57.6	-40.61974
0.34	62.1	45.29493
0	0	0
0	0	inf
0	15.4	-66.32573
0	7.99	-18.26192
0	7.47	201.2278
19.5	1.88	0
1.72	7.66	34.76786
1.4	22.5	-19.92115
1.84	22.7	1.970946
1.9	30.3	-0.023793
22.7	1.41	0
0.78	0	-8.572649
1.36	0	18.94963
1.24	0	-13.49674
1.63	2.3	27.09847
39.9	0.55	0
0.55	98.2	32.31876
0.46	109	-14.75746
0.6	132	17.95874
0.56	159.6	13.41938
14.4	1.05	0
0	9.45	32.67175

1.01	9.47	-17.73667
1.3	11.6	17.37166
1.17	12.5	19.23118
34.7	0.77	0
0	36.4	70.95052
0	20.9	-37.55084
0	11.8	63.76582
0	17.7	154.6456
49	0.75	0
0.83	2.95	47.08959
0.65	10.4	-6.741334
1.04	118.1	3.086455
1.04	110.4	37.17934
67	1.69	0
0.64	-40.8	16.39357
0.67	-48.5	-23.00665
1.05	-49	-23.75533
1.66	-47.5	12.24655
22.7	2.74	0
3.35	9.1	117.5752
1.55	9.44	58.09843
1.39	12.6	12.60397
1.77	14.4	-29.61527
26.3	1.02	0
0.9	0	54.7231
0.74	47	-25.84818
1.09	0	19.45982
1	0	7.133313
29.4	0.54	0
0	34	38.80989
0	43.9	-44.49252
0	57.1	19.05518
0	60.2	46.14412
20	2.89	0
5.44	6.96	61.39828
3.14	1.81	-46.43473
5.44	1.99	34.74172
4.09	-6.71	47.484
40.2	2.97	0
3.33	36.4	12.3941
3.45	39.2	17.5236
3.01	41	-8.5791
3.42	46.8	20.8061



17.9	0	0
0	15.8	43.06993
0	19.4	-38.95714
0	23.7	37.21066
0	36.9	68.53403
74.2	4.77	0
8.28	8.22	150.7128
4.09	9.26	-25.66711
6.42	8.35	-4.029179
7.22	8.29	63.27015
23.8	3.11	0
1.42	23.4	16.90473
1.34	31.5	-48.79033
2.82	33	-2.472255
3.15	37	4.300591
13.5	2.42	0
2.45	0	45.72818
3.23	0	-38.25688
3.97	0	-2.150237
4.82	0	222.5619
28.1	2.23	0
2.74	67.8	27.84647
2.42	77.8	6.882751
2.59	83.8	15.09756
2.55	94.7	30.19357
26.6	0	0
0	0	0
0	0	0
0	0	0
0	0	0
20	0	0
0	0	0
0	0	0
0	0	0
0	0 inf	
6.08	2.29	0
0	16.4	19.93914
0	16.6	-23.18624
0	18.5	-37.57949
3.2	19.2	40.65327
10.1	3.49	0
1.68	66.4	9.989448
1.76	71.3	-60.34409

4.08	59.9	11.19338
3.85	62	12.0511
17.8	2.51	0
2.07	-7.13	22.67211
1.85	-5.19	-20.15306
2.43	-7.13	6.759657
2.45	-7	3.391194
0	3.27	0
3.53	65.7	73.40302
2.31	70.8	-23.84772
3.37	67.6	-28.16165
4.32	70.9	40.77911
13.8	1.39	0
3.18	20.5	103.6724
1.57	32.3	22.91997
1.44	45.4	4.496598
1.63	55.3	18.2514
26.6	0.88	0
1.14	31.7	32.234
0.95	39.3	-13.56619
1.21	42.7	14.99
1.14	49.1	38.88001
7.67	0	0
0	0	50.27699
0	0	100.9216
0	0	247.9999
0	3.68	54.68663
0	1.78	0
3.52	21.1	74.03348
1.89	24.8	-35.96392
2.55	27.8	-27.98238
3.53	32.5	87.01538
23.8	0	0
0	31.2	56.55414
0	34.2	-10.9693
0	37.2	54.96393
0	40.8	17.54599
5.43	2.75	0
3.25	3.21	39.9039
2.44	2.98	10.462
2.28	3.26	-23.95152
3.05	3.95	10.21582
38.2	1.58	0

0	55.5	5.844646
0	55.1	30.8691
0	56.1	-12.85221
1.84	53.9	57.90259
39.8	4.44	0
2.84	32.9	69.95851
1.99	34.2	-50.19459
4.42	40.7	-17.13707
5.42	41.7	23.72097
23.8	1.71	0
1.98	28.3	49.05273
1.37	30.8	-17.84274
1.83	33.3	-6.89453
2.03	36.7	26.30683
24.1	0	0
0	0	0
0	0	0
0	0	inf
0	49.4	37.15881
6.5	0	0
0	23.8	19.06128
0	29.1	-1.976311
0	32.2	9.548687
0	57.8	26.07321
22.3	2.89	0
0	9.86	75.94713
2.57	10.7	-28.7384
3.76	8.94	-16.83719
4.99	9.6	75.23564
25.2	1.8	0
2.49	12.1	233.9906
0.73	9.87	21.71896
2.08	9.19	22.9153
2.39	12	95.1915
8.18	3.02	0
1.79	23.2	66.27041
1.39	28.4	-39.14732
2.58	27.9	-34.94083
4.05	22.7	36.39497
24	0	0
0	83.4	83.81337
0	166.3	-11.64354
0	167.3	-5.121476

0	188.2	22.41473
23.7	0.44	0
0.46	12.3	56.3558
0.29	14.8	-42.69992
0.53	13.6	-1.636083
0.53	15.4	38.98008
13.3	0	0
0	7.19	204.1544
0	9.82	-35.49864
0	13.5	-13.0566
0	16.7	31.77583
43.8	2.62	0
2.82	9.09	30.45192
2.45	13.5	-15.41902
3.07	16	-12.86694
3.7	18.3	48.6467
80.7	0.41	0
3.55	0	747.5311
0.86	0	81.19054
0.52	0	-21.16918
0.71	0	88.04356
11.1	0.1	0
0.22	25.2	98.66971
0.11	27.3	-12.14861
0.12	32.3	3.890691
0.11	36	2.462779
26.7	4.2	0
2.94	3.88	29.10926
2.4	4.48	5.541157
2.39	5.35	-43.35587
4.44	3.97	16.60573
10.6	1.94	0
2.43	83	31.92427
2.62	85.9	-6.574799
2.69	56.5	-3.931188
2.84	51.5	52.84844
0	2.48	0
3.61	47.1	60.56635
2.3	47.6	-30.03195
3.5	44.2	-3.604004
3.97	47.9	67.42818
-12.3	0	0
0	-21	49.26735

0	-25.6	-29.54285
0	-29.5	28.68586
0	-27.5	4.555941
18.5	3.17	0
3	8.36	-14.44531
3.7	9.9	30.96394
2.81	11.3	-23.9297
3.66	12.1	15.54238
0	1.41	0
1.75	28.5	100.8639
0.88	28.1	1.218806
1.1	21	-41.04286
1.97	16.4	40.73132
4.63	1.79	0
0.02	123.9	18.49392
1.87	141.7	36.39223
1.38	140.4	-8.830804
1.61	157	-3.178137
17.4	3.12	0
2.14	5.9	-23.46528
2.85	5.95	-8.863225
3.19	3.19	-20.90116
4.12	0.13	34.23735
32.7	2.94	0
3.41	4.03	17.89094
2.98	5.24	7.914921
2.9	4.87	-7.610709
3.28	5.84	16.97576
28.2	0	0
0.02	19.7	31.37866
0.01	34.7	-33.88322
0.02	36.9	12.79385
0.02	38.6	36.67065
15.3	3.03	0
0.87	11.4	47.62946
0.65	14.8	-37.06541
1.16	17.4	-37.8808
2.06	16.1	-31.73045
0	2.29	0
2.64	234.2	114.724
1.94	283.7	-16.13871
2.93	307.8	-14.52672
3.66	314.5	66.33444

16.3	1.85	0
3.37	49.8	79.83177
2.11	51.8	-7.525582
2.36	41	-4.818768
2.59	46.4	49.56357
30.8	3.09	0
2.34	9.68	26.32646
2.06	11.4	36.16829
1.73	15.5	-22.67879
2.56	20.3	-5.591256
15.9	2.29	0
2.25	-1.59	36.64819
1.78	1.64	-22.06957
2.54	0.16	-7.927528
2.97	0.13	38.50424
18.4	4.41	0
5.64	7.24	104.0846
2.95	8.55	-18.40746
3.84	9.58	-8.853519
4.43	10.3	4.181608
25.1	3.79	0
3.21	72.4	4.014345
3.22	72.3	20.64539
2.71	77.7	-27.72486
3.73	79.2	4.422659
25	4.74	0
5.23	40.7	17.57914
4.46	41.1	8.46898
4.11	39.5	-18.5751
5.06	40.4	5.012526
5.39	2.3	0
2.24	11.2	19.3232
2.1	12.9	12.49278
2.22	12.8	-3.420425
2.58	14.4	24.7235
15.8	3.09	0
1.08	23.7	125.1797
0.72	29.2	16.18004
1.13	34.9	-39.36667
2.39	37	-22.17858
0	3.36	0
4.11	118.2	87.95391
2.37	123.6	-26.28804

3.68	101.7	-31.67273
5.49	107.4	67.93523
28.5	2.42	0
2.31	18	1.786801
2.43	18.9	-7.397632
2.7	18.1	9.786337
2.52	19.3	11.23541
15	0.47	0
2.88	29.8	3.165938
5.16	30.4	36.67679
1.46	26.8	19.70705
0.26	31.4	56.70706
19	0.79	0
0.78	15.7	47.99811
0.7	10.5	-29.59505
1.06	11.4	3.423863
1.03	14.9	50.7349
48.4	3.22	0
4.46	28.4	8.742261
4.24	28.1	9.350771
4.1	28.4	0.94434
4.19	29.6	34.28559
13.1	1.33	0
0	4.57	29.29129
1.59	4.99	6.884703
1.63	5.21	19.97201
1.51	4.86	26.14687
20.4	0	0
0	1.95	34.79186
0	2.97	-26.86571
0	4.26	27.01627
0	4.69	80.63256
15.7	1.68	0
2.82	111.1	29.43725
2.19	118.3	7.741694
2.04	87.8	-11.34917
2.42	93	50.18941
19.9	0.95	0
0	46.2	40.21571
0	47.9	-37.1291
0	51	-23.57012
0	53.9	16.96083
52	3.62	0

8.34	9.86	46.54718
5.84	9.12	16.64664
5.2	9.92	4.593639
5.23	9.73	53.66143
25.3	0.28	0
0.19	84.1	32.82292
0.16	73.5	-20.28594
0.24	113.5	-14.46424
0.32	120	23.85704
12.9	1.64	0
1.2	3.32	60.00735
0.96	3.37	-0.250897
1.65	3.51	-16.01059
2.15	3.9	38.93381
19.2	0.9	0
1.6	26.6	34.86539
1.3	25.2	-13.25386
1.67	25.2	15.18934
1.6	29.6	96.71021
50.5	5.64	0
6.81	-70.3	32.85185
0	-52.8	-8.260569
0	-56.9	43.41063
0	-35.3	64.94385
19.3	0	0
0	13.6	82.54739
0	15.8	-32.13746
0	15.8	-22.83479
0	17.5	30.16278
0	4.8	0
4.27	46.1	49.20337
3.03	46.9	-29.47025
4.62	42.3	-37.10413
7.38	43.2	52.98195
19.4	0	0
0	0	43.43992
0	0	-37.97269
0	62.9	12.44877
0	68.3	70.03076
6.35	3.33	0
2.94	41.7	39.95069
2.3	48.3	-15.39086
2.68	54.7	-33.35251



4.15	54.8	27.2414
0	4.11	0
4.31	31.4	52.55365
3.05	32.9	-28.85434
4.48	28.1	-23.44839
6.13	30.6	55.83176
59	3.9	0
4.61	10.2	86.62877
2.61	11.2	-24.95297
3.84	11.3	-19.27993
5.31	12.1	38.14743
8.04	0	0
0	5.81	46.4214
0	7.29	-36.49466
0	3.45	60.37353
0	5.08	91.11083
16.2	0	0
0	30.3	71.46635
0	33.8	6.743019
0	37.6	-12.41268
0	37.4	-5.084228
50.2	2.31	0
2.19	25.1	29.97199
1.77	21	-17.70917
2.62	18.1	-1.763486
2.53	22.8	12.19511
14.2	0	0
0	18	51.63301
0	13.2	-4.331209
0	17	-20.13811
0	30	131.6989
12.8	4.87	0
2.57	7.94	36.98047
1.91	13.8	-22.22915
3.64	22.5	-17.9987
4.67	22.9	-3.348355
29.8	0.8	0
0	61.9	113.3977
0	82.5	-21.81888
0	102.4	29.81563
1.44	120.2	91.32501
8.74	1.49	0
1.64	70.4	49.72652

1.26	79.4	18.75587
1.2	87.3	-4.787999
1.42	97.5	5.889812
14.3	0.39	0
0	72.6	10.84345
0.65	76	-17.23018
0.68	81.4	0.635928
0.65	88.6	61.09624
92.1	5.34	0
5.75	18.4	49.87578
4.91	22.1	67.63256
4.86	24.1	-9.131569
6.11	24.2	20.7361
5.34	3.32	0
10.2	44.3	100.7996
5.07	43.6	53.62245
3.11	60	-12.9103
3.28	75	-3.650063
38.4	2.71	0
4.56	37.3	42.60278
3.37	35.2	-24.45213
4.54	25.2	5.384315
4.33	23.1	66.71472
24.8	0.35	0
0	0	0
0	0	0
0	0	inf
0.53	6.09	51.63741
70.3	0	0
0	-12	13.66218
0	0	-12.82941
0	0	-6.175617
0	0	-15.72932
47.7	0.57	0
0.61	15.8	17.39597
0.55	17.3	-16.20706
0.69	12.3	14.52235
0.61	3.32	19.54965
36.2	6.56	0
4.4	16.3	-6.972268
4.83	19.4	-27.88685
6.93	21.6	-8.002865
7.68	23.6	19.39414

41.5	0	0
0	34	-11.45299
0	43.6	67.94383
0	51.4	14.50004
0	64.7	32.9119
30.4	4.04	0
0	31.5	114.8023
3.3	17.8	-24.36483
4.77	16.9	-13.16535
5.43	17.6	33.83566
69.5	0.72	0
0.7	17.4	16.06309
0.71	17.2	-3.17978
0.86	17.6	9.046136
0.89	18.8	17.4172
39.3	0.71	0
3.11	17.1	11.33556
3.06	14.3	1.218725
3.2	11.5	25.16488
2.53	8.58	256.0583
27.6	0.67	0
0.94	45.5	31.49011
0.78	49.2	-12.70337
0.97	52.8	18.26261
0.88	57	40.07772
17.6	2.13	0
2.05	14.9	31.3869
0.65	17	38.23548
1.23	16.5	-11.61314
2.16	18.5	28.52311
16.9	0.75	0
1.75	39.9	28.38077
1.4	40.2	21.47726
1.19	50.5	23.01259
1.02	67.6	48.94526
40	3.48	0
2.52	33.3	-10.43261
3.01	34.8	1.710082
3.18	36.6	-10.91687
3.82	37.6	17.9242
6.2	1.02	0
1.56	9.23	5.97027
1.5	9.61	-7.164473

1.57	10.2	13.43637
1.4	9.05	49.10325
19.5	0	0
0	18.7	17.42041
0	21.2	106.026
0	21.7	-23.63148
0	18.4	-20.6467
29.8	1.4	0
2.02	17.4	47.02793
1.44	17.1	-3.294801
1.65	17	1.131315
1.72	17.6	31.53175
34.8	0	0
0	2.52	63.13406
0	5.81	-19.64565
0	8.3	-22.80778
0	18.6	38.58053
0	2.45	0
1.86	39.3	130.6822
1.17	42.8	-13.96887
2.59	41.8	-18.4603
3.55	45.4	52.55386
37.1	1.94	0
4.54	38.3	51.40985
3.03	43	-16.12081
3.97	44.3	52.91608
2.98	50	97.83784
25.9	0.27	0
0.25	23.7	58.32927
0.17	30.8	-47.57422
0.34	35.5	41.75512
0.25	40.1	-4.211474
12.4	0	0
0	31.8	41.92185
0	32.9	-30.79893
0	37.9	20.19036
0	34	70.93503
20.4	0.42	0
0.81	53.3	50.18341
0.53	54.9	0.388784
0.64	53.6	11.12058
0.64	58.7	72.11254
16.4	2.96	0

2.49	11.7	31.35018
1.9	13.7	-14.45999
6.98	14.4	-8.937388
5.81	13.7	10.58321
21.6	1.72	0
2.32	7.56	94.64072
1.53	10.7	-40.71199
2.54	12	16.10492
2.43	12.8	75.97606
26.8	1.2	0
1.49	85.2	28.34241
1.32	94	-20.63293
1.48	89.1	0.32303
1.44	91.1	24.01489
9.77	0	0
0	10	44.31432
0	13.3	-43.87694
0	18	34.50245
0	21.9	15.83583
25.3	1.02	0
0	-4.5	32.82372
0	-1.43	-36.16045
0	-8.05	51.44195
1.14	-6.38	8.769588
39.3	3.47	0
2.46	27.1	-5.44788
2.83	28.4	2.818087
2.98	30.3	-9.392122
3.54	31.6	8.443035
19.7	1.11	0
1.19	17.2	49.80516
0.86	17.4	-21.48677
1.17	18.4	16.38462
1.48	43.6	47.12216
36	2.01	0
2.01	-25.6	30.58273
1.6	-26.1	-8.685792
1.93	-30.6	0.140123
2.02	-28.6	11.65772
18.8	0	0
0	39.9	88.47204
0	56	-47.69153
0	54.3	-27.7986

0	60.3	83.86788
33.7	0.87	0
0.73	59.9	9.279266
0.67	61.3	-20.41868
0.85	59.1	-9.238511
0.93	60.5	1.257597
41.4	0.95	0
0.51	7.93	36.01618
0.46	10.4	-29.9711
0.85	10.4	0.715617
0.96	11.3	14.55753
25.1	1.72	0
1.34	4.32	46.27572
0.94	13.5	-53.87907
2.18	8.95	-7.168687
2.59	11	48.9408
27.9	0	0
0	14.5	45.39232
0	18.6	-30.765
0	23	18.35863
0	26.1	-24.74537