

		RECs Purchased	Cost	ACP Quantity	ACP Payment
2017	Class I	28,835	\$ 612,067		\$ -
	Class 1 Thermal	3,630	85,290	610	15,531
	Class II	1,707	8,345		
	Class III	33,924	905,800		
	Class IV	6,361	145,288		
	Total	74,457	\$ 1,756,790	610	\$ 15,531
			ACP %	0.81%	
			Total Cost	\$ 1,772,321	
			LCG Cost	\$ 437,330	
			SCG Cost	\$ 1,334,991	

		RECs Purchased	Cost	ACP Quantity	ACP Payment
2018	Class I	33,672	\$ 640,675		
	Class 1 Thermal	4,102	97,049	1286	33,037
	Class II	2,245	17,409		
	Class III	35,917	774,090		
	Class IV	6,734	176,229		
	Total	82,670	\$ 1,705,452	1,286	\$ 33,037
			ACP %	1.53%	
			Total Cost	\$ 1,738,489	
			LCG Cost	\$ 428,983	
			SCG Cost	\$ 1,309,506	

		RECs Purchased	Cost	ACP Quantity	ACP Payment
2019	Class I	35,960	\$ 555,898		
	Class 1 Thermal	6,139	154,496		
	Class II	2,631	25,800		
	Class III	35,082	773,051		
	Class IV	6,578	180,342		
	Total	86,390	\$ 1,689,586	-	\$ -
			ACP %	0.00%	
			Total Cost	\$ 1,689,586	
			LCG Cost	\$ 409,617	
			SCG Cost	\$ 1,279,970	

		RECs Purchased	Cost Of RECs	ACP Quantity	ACP Payment
2020	Class I	36,721	\$ 1,550,409	2,940	\$ 169,373.40
	Class 1 Thermal	1,788	44,047	5,342	139,854
	Class II	3,119	97,053		
	Class III	8,913	301,232		
	Class IV	6,112	156,967	573	16651.38
	Total	56,653	\$ 2,149,708	8,855	\$ 325,878
			ACP %	13.52%	
			Total Cost	\$ 2,475,586	

LCG Cost	\$ 539,126
SCG Cost	\$ 1,936,460

		RECs Purchased	Cost	ACP Quantity	ACP Payment
2021	Class I	43,713	\$ 1,628,912		
	Class 1 Thermal	8,196	216,300		
	Class II	3,187	84,600		
	Class III	1,366	47,796	3,187	111,513
	Class IV	6,830	166,567		
	Total	63,292	\$ 2,144,176	3,187	\$ 111,513
			ACP %	4.79%	
			Total Cost	\$ 2,255,689	
			LCG Cost	\$ 479,932	
			SCG Cost	\$ 1,775,756	

Notes: RECs Purchased from Line N of Annul RPS Filing  
Cost of RECs for compliance sum of Lines V,W and X  
ACP Quantity from Line O  
ACP Payment from Line R  
2020 Class III REC purchase adjusted to ACP and not actual purchase cost,  
2021 Class III REC purchase cost based on 2021 ACP and not actual purchase cost.  
LCG = Large C&I Rate Class G1 & G2)  
SCG - Residential/Small C (Rate Classes D, D10, T, G3, V and Streetlights)

## Retail Load as reported in quarterly migration reports/filings.

	<b>D</b>	<b>D-10</b>	<b>T</b>	<b>G-1</b>	<b>G-2</b>
Jan-2017	22,665,903	640,798	1,581,595	4,051,169	5,299,633
Feb-2017	19,324,769	495,755	1,420,054	3,484,181	4,942,951
Mar-2017	20,484,671	500,167	1,430,793	3,579,571	5,249,121
Apr-2017	18,320,131	402,248	1,166,528	3,514,669	4,671,715
May-2017	16,436,399	350,015	849,595	3,338,485	4,732,871
Jun-2017	19,331,809	308,396	748,072	3,637,195	5,015,414
Jul-2017	23,734,388	346,465	786,444	3,601,211	5,469,123
Aug-2017	21,629,522	364,676	738,740	3,754,922	5,458,545
Sep-2017	18,377,866	308,798	659,170	3,881,647	5,204,385
Oct-2017	18,040,283	281,479	691,881	3,547,152	4,980,508
Nov-2017	16,812,689	363,974	873,997	3,180,008	4,788,054
Dec-2017	21,197,386	457,076	1,380,330	4,069,034	5,184,066
Jan-2018	27,351,170	694,641	1,922,166	3,213,539	5,242,787
Feb-2018	20,998,594	540,167	1,454,140	4,500,205	5,312,492
Mar-2018	19,566,192	462,023	1,359,010	4,503,161	5,068,296
Apr-2018	18,617,580	469,497	1,197,801	4,668,858	4,993,397
May-2018	16,704,430	334,797	780,521	3,961,022	4,995,397
Jun-2018	19,187,004	318,214	685,238	3,266,897	5,407,270
Jul-2018	23,136,671	331,689	762,631	3,599,027	5,705,557
Aug-2018	25,089,623	391,848	776,352	4,023,264	6,152,921
Sep-2018	24,039,011	349,688	765,362	4,011,710	6,142,754
Oct-2018	17,584,044	305,039	706,856	3,432,732	5,407,598
Nov-2018	17,029,388	372,801	961,321	3,317,510	4,741,800
Dec-2018	23,199,572	517,428	1,461,854	3,324,448	5,792,178
Jan-2019	24,364,741	653,649	1,686,165	3,487,720	6,077,695
Feb-2019	22,276,649	570,542	1,600,264	3,348,433	5,876,700
Mar-2019	22,992,274	520,491	1,474,244	3,268,259	5,351,291
Apr-2019	18,020,565	431,336	1,070,357	2,800,582	5,124,668
May-2019	17,232,618	349,141	818,980	2,834,075	5,199,971
Jun-2019	17,531,555	296,053	645,403	2,850,860	5,052,206
Jul-2019	23,399,804	363,377	741,981	3,450,275	6,099,886
Aug-2019	26,341,130	377,816	790,879	3,629,508	6,459,608
Sep-2019	19,344,737	298,872	620,049	3,319,139	6,019,372
Oct-2019	17,094,621	286,427	671,509	2,573,840	5,548,863
Nov-2019	16,604,665	338,569	950,822	2,492,554	4,945,165
Dec-2019	22,683,470	555,476	1,386,507	4,357,260	6,147,741
Jan-2020	24,904,057	592,365	1,549,646	4,804,149	6,285,313

Feb-2020	21,909,053	553,788	1,427,526	2,615,391	5,856,450
Mar-2020	20,507,861	503,387	1,245,096	2,552,998	5,623,268
Apr-2020	20,364,654	448,640	1,081,865	2,311,894	4,845,304
May-2020	18,447,233	363,148	841,410	2,036,653	4,295,481
Jun-2020	22,084,227	355,848	720,074	2,197,314	5,083,042
Jul-2020	28,351,448	428,835	811,678	2,648,723	6,356,035
Aug-2020	28,882,955	423,286	797,763	2,523,683	6,100,746
Sep-2020	21,957,991	345,415	644,570	2,731,993	5,763,112
Oct-2020	17,833,629	291,957	648,344	2,360,697	5,029,590
Nov-2020	19,232,217	342,579	872,173	2,357,932	4,941,727
Dec-2020	23,686,770	541,176	1,226,709	2,488,911	5,238,558
Jan-2021	26,756,600	612,231	1,479,962	2,577,830	5,646,466
Feb-2021	24,665,151	609,635	1,466,136	2,597,926	5,364,109
Mar-2021	23,547,969	568,255	1,321,380	2,516,752	5,552,675
Apr-2021	20,698,271	489,281	979,681	2,500,042	5,183,001
May-2021	17,213,923	368,501	703,539	2,150,293	4,554,584
Jun-2021	23,205,047	434,985	686,055	2,562,821	5,593,754
Jul-2021	26,966,283	476,656	744,905	2,856,863	5,973,976
Aug-2021	25,564,924	448,016	691,986	2,874,592	5,910,905
Sep-2021	24,885,932	440,323	688,730	2,891,946	6,194,748
Oct-2021	18,020,065	344,564	574,109	2,361,274	5,191,876
Nov-2021	19,216,469	444,543	838,025	2,303,032	5,061,700
Dec-2021	23,659,411	614,806	1,193,968	2,662,587	5,798,205
Jan-2022	26,813,403	743,954	1,473,781	2,614,764	6,386,196
Feb-2022	26,093,051	708,613	1,529,241	2,548,173	6,309,290
Mar-2022	23,499,769	670,764	1,296,726	2,560,287	6,035,590
Apr-2022	20,972,998	491,980	1,028,075	2,679,155	5,555,194
May-2022	18,508,268	428,059	729,928	2,414,984	5,071,921
Jun-2022	21,098,961	391,771	604,770	2,691,321	5,737,539
Jul-2022	26,112,132	468,972	710,253	3,044,802	6,160,402
Aug-2022	29,522,223	517,143	749,578	3,256,446	6,227,296
Sep-2022	20,949,687	344,128	503,291	3,441,739	4,635,261
Oct-2022	16,973,427	357,739	583,672	2,491,020	4,610,015
Nov-2022	17,667,265	314,750	687,131	2,541,610	4,684,873
Dec-2022	22,547,041	463,445	1,083,422	2,507,120	5,217,477

<b>G-3</b>	<b>V</b>	<b>Streetlights</b>	<b>TOTAL</b>	<b>LCG</b>	<b>SCG</b>
6,203,978	32,319	131,111	40,606,506	9,350,802	31,255,704
5,652,206	29,188	131,475	35,480,579	8,427,132	27,053,447
5,783,622	32,616	131,225	37,191,786	8,828,692	28,363,094
5,196,905	29,409	131,182	33,432,787	8,186,384	25,246,403
4,797,760	22,470	131,265	30,658,860	8,071,356	22,587,504
5,077,731	24,607	131,504	34,274,728	8,652,609	25,622,119
5,581,960	29,201	129,933	39,678,725	9,070,334	30,608,391
5,557,424	28,298	129,814	37,661,941	9,213,467	28,448,474
5,192,639	22,813	129,402	33,776,720	9,086,032	24,690,688
4,992,870	22,961	129,255	32,686,389	8,527,660	24,158,729
4,716,885	19,685	128,873	30,884,165	7,968,062	22,916,103
5,260,463	24,664	139,953	37,712,972	9,253,100	28,459,872
				104,635,630	319,410,528
7,170,239	32,138	114,635	45,741,315	8,456,326	37,284,989
5,693,320	27,408	130,035	38,656,361	9,812,697	28,843,664
5,305,967	22,728	130,629	36,418,006	9,571,457	26,846,549
5,172,895	23,787	129,862	35,273,677	9,662,255	25,611,422
4,802,629	19,488	129,728	31,728,012	8,956,419	22,771,593
5,154,612	21,471	129,481	34,170,187	8,674,167	25,496,020
5,624,270	27,040	129,491	39,316,376	9,304,584	30,011,792
5,866,769	24,157	129,238	42,454,172	10,176,185	32,277,987
5,887,554	24,454	129,013	41,349,546	10,154,464	31,195,082
4,844,724	19,246	131,803	32,432,042	8,840,330	23,591,712
4,482,614	14,169	129,021	31,048,624	8,059,310	22,989,314
5,874,902	25,574	180,327	40,376,283	9,116,626	31,259,657
				110,784,820	338,179,781
6,164,409	28,947	179,395	42,642,721	9,565,415	33,077,306
6,021,895	30,334	179,406	39,904,223	9,225,133	30,679,090
5,846,231	29,213	115,440	39,597,443	8,619,550	30,977,893
5,184,581	25,116	128,674	32,785,879	7,925,250	24,860,629
4,894,331	19,724	127,959	31,476,799	8,034,046	23,442,753
4,752,045	19,983	127,719	31,275,824	7,903,066	23,372,758
5,677,581	25,610	127,841	39,886,355	9,550,161	30,336,194
6,160,641	28,008	127,660	43,915,250	10,089,116	33,826,134
5,294,196	20,376	127,215	35,043,956	9,338,511	25,705,445
4,726,486	19,306	126,527	31,047,579	8,122,703	22,924,876
4,401,184	7,083	127,362	29,867,404	7,437,719	22,429,685
5,776,180	22,206	158,412	41,087,252	10,505,001	30,582,251
				106,315,671	332,215,014
6,242,700	22,767	156,276	44,557,273	11,089,462	33,467,811

5,811,783	23,864	155,685	38,353,540	8,471,841	29,881,699
5,560,853	18,887	155,153	36,167,503	8,176,266	27,991,237
4,657,268	16,032	155,169	33,880,826	7,157,198	26,723,628
3,895,129	11,180	157,326	30,047,560	6,332,134	23,715,426
4,557,966	8,588	121,859	35,128,918	7,280,356	27,848,562
5,808,880	10,524	120,665	44,536,788	9,004,758	35,532,030
5,594,045	9,398	120,767	44,452,643	8,624,429	35,828,214
5,278,117	7,274	120,710	36,849,182	8,495,105	28,354,077
4,435,658	5,935	95,992	30,701,802	7,390,287	23,311,515
4,583,616	6,916	97,303	32,434,463	7,299,659	25,134,804
5,234,169	12,743	94,597	38,523,633	7,727,469	30,796,164
				97,048,964	348,585,167
5,991,519	18,121	94,325	43,177,054	8,224,296	34,952,758
5,916,351	17,933	93,871	40,731,112	7,962,035	32,769,077
5,839,243	17,313	93,915	39,457,502	8,069,427	31,388,075
5,230,665	13,672	93,716	35,188,329	7,683,043	27,505,286
4,456,890	10,167	93,461	29,551,358	6,704,877	22,846,481
5,438,585	9,323	93,323	38,023,893	8,156,575	29,867,318
5,922,766	8,414	93,353	43,043,216	8,830,839	34,212,377
5,781,147	8,021	93,267	41,372,858	8,785,497	32,587,361
6,062,625	7,792	93,627	41,265,723	9,086,694	32,179,029
4,675,026	5,784	93,901	31,266,599	7,553,150	23,713,449
4,660,570	7,586	107,036	32,638,961	7,364,732	25,274,229
5,580,809	13,943	106,249	39,629,978	8,460,792	31,169,186
				96,881,957	358,464,626
6,156,984	21,395	124,418	44,334,895	9,000,960	35,333,935
6,479,703	24,006	123,244	43,815,321	8,857,463	34,957,858
6,054,316	19,482	109,535	40,246,469	8,595,877	31,650,592
5,399,270	14,571	110,625	36,251,868	8,234,349	28,017,519
4,702,081	12,986	110,021	31,978,248	7,486,905	24,491,343
5,209,298	11,412	94,966	35,840,038	8,428,860	27,411,178
5,865,028	8,141	106,811	42,476,541	9,205,204	33,271,337
6,698,428	7,307	106,068	47,084,489	9,483,742	37,600,747
4,451,906	5,872	107,261	34,439,144	8,077,000	26,362,144
4,162,361	3,036	110,043	29,291,313	7,101,035	22,190,278
4,136,698	4,307	109,871	30,146,505	7,226,483	22,920,022
5,001,156	10,162	109,577	36,939,400	7,724,597	29,214,803
				99,422,475	353,421,756

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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities

IR 22-053

Investigation of Energy Commodity Procurement

Time Period	Default Energy Service Price- Residential Rate (\$/kWh)	Renewable Portfolio Standard Adder (\$/kWh)	Administrative & General "ESCRAF" (\$/kWh)
February 2023 - July 2023	\$0.22007	\$0.00781	\$0.00061
August 2022 - January 2023	\$0.22228	\$0.00781	\$0.00061
February 2022 - July 2022	\$0.11119	\$0.00684	(\$0.00048)
August 2021 - January 2022	\$0.08396	\$0.00684	(\$0.00048)
February 2021 - July 2021	\$0.06426	\$0.00743	\$0.00037
August 2020- January 2021	\$0.06825	\$0.00743	\$0.00037
February 2020 - July 2020	\$0.07127	\$0.00711	\$0.00127
August 2019 - January 2020	\$0.07710	\$0.00539	\$0.00127
February 2019 - July 2019	\$0.08299	\$0.00290	(\$0.00124)
August 2018 - January 2019	\$0.08299	\$0.00462	(\$0.00124)







5 Section 2: Projected Residential and Small C&I Default Service kWhs, February 1, 2023

- 6 Projected Total Company Residential and Small C&I kWhs
- 7 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & S
- 8 Projected Residential and Small C&I Energy Service kWhs

9 Section 3: Residential and Small C&I Default Service Load Weighting for February 1, 2023

- 10 Projected Residential and Small C&I Energy Service kWhs
  - 11 Loss Factor
  - 12 Wholesale Contract Price (\$/MWh)
  - 13 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 14 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 15 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 16 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 17 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 18 Projected Residential and Small C&I Energy Service Base Cost, February 1, 2023 - July
  - 19 Weighted Average Base Residential and Small C&I Energy Service Charge for Februar
  - 20 Projected Residential and Small C&I Energy Service Cost, February 1, 2023 - July 31, 2023
  - 21 Weighted Average Residential and Small C&I Energy Service Charge for February 2023

5 Section 2: Projected Residential and Small C&I Default Service kWhs, August 2022 - January 2023

- 6 Projected Total Company Residential and Small C&I kWhs
- 7 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & S
- 8 Projected Residential and Small C&I Energy Service kWhs

9 Section 3: Residential and Small C&I Default Service Load Weighting for August 2022 - January 2023

- 10 Projected Residential and Small C&I Energy Service kWhs
  - 11 Loss Factor
  - 12 Wholesale Contract Price (\$/MWh)
  - 13 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 14 Energy Service Adjustment Factor (\$/kWh)
  - 15 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 16 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 17 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 18 Projected Residential and Small C&I Energy Service Base Cost, August 2022 - January
  - 19 Weighted Average Base Residential and Small C&I Energy Service Charge for August 2022
  - 20 Projected Residential and Small C&I Energy Service Cost, August 2022 - January 2023
  - 21 Weighted Average Residential and Small C&I Energy Service Charge for August 2022 - January 2023

**Section 2: Projected Residential and Small C&I Default Service kWhs, February 2022 - January 2023**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for February 2022 - January 2023**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, February 2022 - July 2022
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for February 2022
  - 17 Projected Residential and Small C&I Energy Service Cost, February 2022 - July 2022
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for August 2021 - January 2023

**Section 2: Projected Residential and Small C&I Default Service kWhs, August 2021 - January 2023**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Sm
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for August 20**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, August 2021 - January 21
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for August 20:
  - 17 Projected Residential and Small C&I Energy Service Cost, August 2021 - January 2022
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for August 2021 - Ji

**Section 2: Projected Residential and Small C&I Default Service kWhs, February 2021 - .**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small (
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for February 202**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, February 2021 - July 2021
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for February 202
  - 17 Projected Residential and Small C&I Energy Service Cost, February 2021 - July 2021
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for February 2021 - Ju

**Section 2: Projected Residential and Small C&I Default Service kWhs, August 2020 - .**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Smal
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for August 202**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, August 2020 - January 20:
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for August 2021
  - 17 Projected Residential and Small C&I Energy Service Cost, August 2020 - January 2021
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for August 2017 - Jar

**Section 2: Projected Residential and Small C&I Default Service kWhs, February 2021**



- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWh to Total Residential & Sma
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for February :**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, February 2020 - July 202
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for February 2
  - 17 Projected Residential and Small C&I Energy Service Cost, February 2020 - July 2020
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for February 2020 -

**Section 2: Projected Residential and Small C&I Default Service kWhs, August 21**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & 8
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for August**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, August 2019 - Januar
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for August
  - 17 Projected Residential and Small C&I Energy Service Cost, August 2019 - January 20
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for August 201

**Section 2: Projected Residential and Small C&I Default Service kWhs, February 201**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWh to Total Residential & Smal
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for February :**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Loss Factor
  - 9 Wholesale Contract Price (\$/MWh)
  - 10 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 11 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 12 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 13 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 14 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 15 Projected Residential and Small C&I Energy Service Base Cost, February 2019 - July 201
  - 16 Weighted Average Base Residential and Small C&I Energy Service Charge for February 2
  - 17 Projected Residential and Small C&I Energy Service Cost, February 2019 - July 2019
  - 18 Weighted Average Residential and Small C&I Energy Service Charge for February 2018 -

**Section 2: Projected Residential and Small C&I Default Service kWhs, August 2018 - J**

- 4 Projected Total Company Residential and Small C&I kWhs
- 5 Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small
- 6 Projected Residential and Small C&I Energy Service kWhs

**Section 3: Residential and Small C&I Default Service Load Weighting for August 2018**

- 7 Projected Residential and Small C&I Energy Service kWhs
  - 8 Wholesale Loads (MWh)
  - 9 Retail Loads (MWh)
  - 10 Loss Factor
  - 11 Wholesale Contract Price (\$/MWh)
  - 12 Base Residential and Small C&I Energy Service Rate (\$/kWh)
  - 13 Energy Service Reconciliation Adjustment Factor (\$/kWh)
  - 14 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)
  - 15 Proposed Renewable Portfolio Standard Adder (\$/kWh)
  - 16 Total Estimated Residential and Small C&I Energy Service Price per kWh
- 
- 17 Projected Residential and Small C&I Energy Service Base Cost, August 2018 - January 2019
  - 18 Weighted Average Base Residential and Small C&I Energy Service Charge for August 2018
  - 19 Projected Residential and Small C&I Energy Service Cost, August 2018 - January 2019
  - 20 Weighted Average Residential and Small C&I Energy Service Charge for August 2018 - Jan



3 - July 31, 2023	February	March	April	May	June	July	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Small C&I kWhs	33,708,682	33,617,949	28,930,918	29,401,207	32,806,780	38,302,421	196,767,957
	89.16%	89.16%	89.16%	89.16%	89.16%	89.16%	
	30,055,052	29,974,154	25,795,143	26,214,457	29,250,906	34,150,884	175,440,595

2023 - July 31, 2023

	30,055,052	29,974,154	25,795,143	26,214,457	29,250,906	34,150,884	175,440,595
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	\$0.43319	\$0.22398	\$0.16905	\$0.12566	\$0.12314	\$0.17494	
	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	
	\$0.00061	\$0.00061	\$0.00061	\$0.00061	\$0.00061	\$0.00061	
	\$0.00781	\$0.00781	\$0.00781	\$0.00781	\$0.00781	\$0.00781	
	\$0.44257	\$0.23336	\$0.17843	\$0.13504	\$0.13252	\$0.18432	

y 31, 2023	\$13,019,548	\$6,713,611	\$4,360,669	\$3,294,109	\$3,601,957	\$5,974,356	\$36,964,249
y 1, 2023 - July 31, 2023							\$0.21069
2023	\$13,301,464	\$6,994,769	\$4,602,627	\$3,540,000	\$3,876,330	\$6,294,691	\$38,609,882
3 - July 2023							\$0.22007

January 2023

	August	September	October	November	December	January	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Small C&I kWhs	36,527,145	29,699,178	29,333,867	31,356,299	37,112,700	39,051,527	203,080,716
	89.92%	89.92%	89.92%	89.92%	89.92%	89.92%	
	32,843,921	26,704,454	26,375,980	28,194,479	33,370,432	35,113,757	182,603,024

- January 2023

	32,843,921	26,704,454	26,375,980	28,194,479	33,370,432	35,113,757	182,603,024
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	\$0.16657	\$0.14511	\$0.13597	\$0.17335	\$0.28109	\$0.33256	
	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	
	\$0.00061	\$0.00061	\$0.00061	\$0.00061	\$0.00061	\$0.00061	
	\$0.00781	\$0.00781	\$0.00781	\$0.00781	\$0.00781	\$0.00781	
	\$0.17595	\$0.15449	\$0.14535	\$0.18273	\$0.29047	\$0.34194	

r 2023	\$5,470,812	\$3,875,083	\$3,586,342	\$4,887,513	\$9,380,095	\$11,677,431	\$38,877,276
2022 - January 2023							\$0.21290
1	\$5,778,888	\$4,125,571	\$3,833,749	\$5,151,977	\$9,693,110	\$12,006,798	\$40,590,092
- January 2023							\$0.22228

- July 2022

	February	March	April	May	June	July	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Small C&I kWhs	33,314,925	33,280,268	28,595,881	28,595,115	32,234,180	37,072,728	193,093,097
	89.51%	89.51%	89.51%	89.51%	89.51%	89.51%	
	29,819,546	29,788,525	25,595,621	25,594,935	28,852,192	33,183,083	172,833,903

2022 - July 2022

	29,819,546	29,788,525	25,595,621	25,594,935	28,852,192	33,183,083	172,833,903
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	\$0.19243	\$0.12432	\$0.08004	\$0.06594	\$0.07038	\$0.08009	
	\$0.00146	\$0.00146	\$0.00146	\$0.00146	\$0.00146	\$0.00146	
	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	
	\$0.00684	\$0.00684	\$0.00684	\$0.00684	\$0.00684	\$0.00684	
	\$0.20025	\$0.13214	\$0.08786	\$0.07376	\$0.07820	\$0.08791	

2022 - July 2022	\$5,738,175	\$3,703,309	\$2,048,674	\$1,687,730	\$2,030,617	\$2,657,633	\$17,866,139
							\$0.10337
January 2022	\$5,971,364	\$3,936,256	\$2,248,831	\$1,887,882	\$2,256,241	\$2,917,125	\$19,217,700
							\$0.11119

- January 2022

	August	September	October	November	December	January	Total
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	(a)	(b)	(c)	(d)	(e)	(f)	(g)
all C&I kWhs	35,287,024	29,011,577	28,630,654	30,390,445	35,987,704	37,773,857	197,081,260
	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	
	31,458,781	25,864,150	25,524,552	27,093,426	32,083,446	33,675,822	175,700,176

**21 - January 2022**

	31,458,781	25,864,150	25,524,552	27,093,426	32,083,446	33,675,822	175,700,176
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	\$0.05820	\$0.05873	\$0.05854	\$0.06778	\$0.08942	\$0.11373
	\$0.00146	\$0.00146	\$0.00146	\$0.00146	\$0.00146	\$0.00146
	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)
	<u>\$0.00684</u>	<u>\$0.00684</u>	<u>\$0.00684</u>	<u>\$0.00684</u>	<u>\$0.00684</u>	<u>\$0.00684</u>
	\$0.06602	\$0.06655	\$0.06636	\$0.07560	\$0.09724	\$0.12155

022	<u>\$1,830,901</u>	<u>\$1,519,002</u>	<u>\$1,494,207</u>	<u>\$1,836,392</u>	<u>\$2,868,902</u>	<u>\$3,829,951</u>	<u>\$13,379,355</u>
21 - January 2022							\$0.07614
January 2022	<u>\$2,076,909</u>	<u>\$1,721,259</u>	<u>\$1,693,809</u>	<u>\$2,048,263</u>	<u>\$3,119,794</u>	<u>\$4,093,296</u>	<u>\$14,753,331</u>
							\$0.08396

**July 2021**

	February	March	April	May	June	July	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
C&I kWhs	32,609,214	32,492,818	28,157,309	27,771,364	31,160,721	35,644,595	187,836,022
	<u>88.55%</u>	<u>88.55%</u>	<u>88.55%</u>	<u>88.55%</u>	<u>88.55%</u>	<u>88.55%</u>	
	28,876,503	28,773,430	24,934,199	24,592,432	27,593,816	31,564,430	166,334,810

**21 - July 2021**

	28,876,503	28,773,430	24,934,199	24,592,432	27,593,816	31,564,430	166,334,810
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	\$0.07647	\$0.06423	\$0.05860	\$0.05524	\$0.05198	\$0.05418
	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)
	\$0.00037	\$0.00037	\$0.00037	\$0.00037	\$0.00037	\$0.00037
	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>
	\$0.08049	\$0.06825	\$0.06262	\$0.05926	\$0.05600	\$0.05820

21 - July 2021	<u>\$2,208,186</u>	<u>\$1,848,117</u>	<u>\$1,461,144</u>	<u>\$1,358,486</u>	<u>\$1,434,327</u>	<u>\$1,710,161</u>	<u>\$10,020,421</u>
July 2021							\$0.06024
	<u>\$2,324,270</u>	<u>\$1,963,787</u>	<u>\$1,561,380</u>	<u>\$1,457,348</u>	<u>\$1,545,254</u>	<u>\$1,837,050</u>	<u>\$10,689,087</u>
							\$0.06426

**January 2021**

	August	September	October	November	December	January	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
all C&I kWhs	35,023,204	28,580,933	28,082,262	29,669,534	35,381,728	37,652,615	194,390,276
	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	
	30,826,110	25,155,865	24,716,953	26,114,010	31,141,670	33,140,419	171,095,027

**20 - January 2021**

	30,826,110	25,155,865	24,716,953	26,114,010	31,141,670	33,140,419	171,095,027
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	\$0.05075	\$0.05332	\$0.05324	\$0.06120	\$0.07383	\$0.08664
	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)
	\$0.00037	\$0.00037	\$0.00037	\$0.00037	\$0.00037	\$0.00037
	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>
	\$0.05477	\$0.05734	\$0.05726	\$0.06522	\$0.07785	\$0.09066

21	<u>\$1,564,425</u>	<u>\$1,341,311</u>	<u>\$1,315,931</u>	<u>\$1,598,177</u>	<u>\$2,299,189</u>	<u>\$2,871,286</u>	<u>\$10,990,319</u>
20 - January 2021							\$0.06423
January 2018	<u>\$1,688,346</u>	<u>\$1,442,437</u>	<u>\$1,415,293</u>	<u>\$1,703,156</u>	<u>\$2,424,379</u>	<u>\$3,004,510</u>	<u>\$11,678,121</u>
							\$0.06825

**0 - July 2020**

	February	March	April	May	June	July	Total
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Month, Year	Monthly Bid Price (\$/MWh)	6-Month Weighted Average Used	
		For Default Energy Rate	Monthly Market Price
January-18	101.43	86.04	106.78
February-18	108.99	86.04	39.34
March-18	84.22	86.04	35.2
April-18	72.28	86.04	44.68
May-18	68.71	86.04	24.02
June-18	72.67	86.04	26.88
July-18	72.24	76.10	33.02
August-18	67.72	76.10	39.34
September-18	72.38	76.10	34.12
October-18	78.08	76.10	38.85
November-18	75.06	76.10	57.59
December-18	91.66	76.10	47.7
January-19	116.44	95.95	56.43
February-19	126.80	95.95	35.76
March-19	101.26	95.95	37.99
April-19	78.41	95.95	26.76
May-19	71.26	95.95	24.23
June-19	66.73	95.95	22.13
July-19	71.58	69.27	29.68
August-19	60.52	69.27	26
September-19	63.18	69.27	21.29
October-19	63.01	69.27	20.73
November-19	69.01	69.27	32.35
December-19	84.36	69.27	40.8
January-20	100.24	76.21	26.56
February-20	95.34	76.21	23.27
March-20	73.48	76.21	17.17
April-20	68.19	76.21	18.42
May-20	61.25	76.21	16.28
June-20	54.35	76.21	20.02
July-20	56.37	56.30	24
August-20	48.50	56.30	24.18
September-20	50.96	56.30	21
October-20	50.88	56.30	24.95
November-20	58.49	56.30	25.37
December-20	70.56	56.30	40.46
January-21	82.80	63.75	42.8
February-21	73.47	63.75	73.29
March-21	61.71	63.75	34.96
April-21	56.30	63.75	26
May-21	53.08	63.75	24.93



June-21	49.94	63.75	37.31
July-21	52.06	62.19	37.4
August-21	55.79	62.19	50.11
September-21	56.29	62.19	48.07
October-21	56.11	62.19	58.26
November-21	64.97	62.19	57.51
December-21	85.71	62.19	66.68
January-22	109.01	105.06	148.97
February-22	183.67	105.06	118.08
March-22	118.66	105.06	66.15
April-22	76.40	105.06	61.47
May-22	62.94	105.06	76.3
June-22	67.18	105.06	69.08
July-22	76.45	153.34	90.87
August-22	158.85	153.34	100.07
September-22	138.39	153.34	67.53
October-22	129.67	153.34	53.27
November-22	165.32	153.34	62.16
December-22	268.06	153.34	115.27

Month, Year	Monthly Bid Price (\$/MWh)	6-Month Weighted Average Used	
		For Default Energy Rate	Monthly Market Price
January-18	101.42	79.02	106.78
February-18	105.10	79.02	39.34
March-18	79.37	79.02	35.2
April-18	65.49	79.02	44.68
May-18	59.63	79.02	24.02
June-18	65.18	79.02	26.88
July-18	66.56	73.55	33.02
August-18	64.18	73.55	39.34
September-18	66.89	73.55	34.12
October-18	74.44	73.55	38.85
November-18	76.37	73.55	57.59
December-18	96.67	73.55	47.7
January-19	121.24	96.47	56.43
February-19	132.56	96.47	35.76
March-19	105.63	96.47	37.99
April-19	81.34	96.47	26.76
May-19	73.67	96.47	24.23
June-19	61.01	96.47	22.13
July-19	66.18	65.58	29.68
August-19	57.45	65.58	26
September-19	56.69	65.58	21.29
October-19	56.93	65.58	20.73
November-19	66.98	65.58	32.35
December-19	87.06	65.58	40.8
January-20	102.44	74.51	26.56
February-20	92.11	74.51	23.27
March-20	73.19	74.51	17.17
April-20	63.00	74.51	18.42
May-20	54.87	74.51	16.28
June-20	48.90	74.51	20.02
July-20	54.12	55.84	24
August-20	49.63	55.84	24.18
September-20	48.04	55.84	21
October-20	50.15	55.84	24.95
November-20	60.77	55.84	25.37
December-20	74.01	55.84	40.46
January-21	87.19	64.69	42.8
February-21	75.12	64.69	73.29
March-21	65.53	64.69	34.96
April-21	57.82	64.69	26
May-21	53.29	64.69	24.93

June-21	49.21	64.69	37.31
July-21	52.59	60.65	37.4
August-21	55.40	60.65	50.11
September-21	51.97	60.65	48.07
October-21	53.62	60.65	58.26
November-21	65.72	60.65	57.51
December-21	84.91	60.65	66.68
January-22	107.38	103.15	148.97
February-22	187.56	103.15	118.08
March-22	121.95	103.15	66.15
April-22	79.37	103.15	61.47
May-22	61.13	103.15	76.3
June-22	64.57	103.15	69.08
July-22	73.03	164.51	90.87
August-22	167.47	164.51	100.07
September-22	143.43	164.51	67.53
October-22	134.35	164.51	53.27
November-22	179.72	164.51	62.16
December-22	318.69	164.51	115.27

Day, Month, Year	DA Market Price (\$/Mwh)	Daily SCG Volume (kWh)	Daily LCG Volume (kWh)
01/01/2018	156.16	1,378,738	332,842
02/01/2018	171.27	1,347,423	393,233
03/01/2018	161.12	1,278,576	373,097
04/01/2018	150.41	1,296,792	352,994
05/01/2018	214.81	1,275,996	371,474
06/01/2018	218.99	1,371,615	339,549
07/01/2018	195.91	1,371,996	335,844
08/01/2018	171.92	1,258,045	347,929
09/01/2018	117.46	1,108,099	339,279
10/01/2018	104.68	1,107,814	337,288
11/01/2018	62.41	1,063,163	323,672
12/01/2018	29.24	986,721	316,465
13/01/2018	74.09	1,072,191	283,384
14/01/2018	147.59	1,236,368	304,749
15/01/2018	156.31	1,290,434	339,082
16/01/2018	137.74	1,152,388	355,599
17/01/2018	114.55	1,112,752	338,763
18/01/2018	111.66	1,091,442	351,465
19/01/2018	75.31	1,091,570	344,102
20/01/2018	41.03	1,064,100	288,552
21/01/2018	36.97	992,975	288,929
22/01/2018	49.93	1,066,817	331,810
23/01/2018	28.19	1,069,408	336,938
24/01/2018	55.90	997,298	342,296
25/01/2018	109.65	1,120,864	356,759
26/01/2018	93.91	1,104,158	357,220
27/01/2018	45.99	1,084,411	289,651
28/01/2018	30.30	977,249	275,116
29/01/2018	53.01	995,693	341,142
30/01/2018	94.69	1,042,753	356,749
31/01/2018	99.13	1,064,058	353,377
01/02/2018	63.19	1,026,780	339,819
02/02/2018	75.71	1,093,515	376,405
03/02/2018	79.94	1,162,312	328,262
04/02/2018	57.35	1,068,883	297,292
05/02/2018	62.85	983,443	335,354
06/02/2018	73.63	1,078,234	344,236
07/02/2018	67.84	1,109,543	396,866
08/02/2018	63.58	1,075,195	387,759
09/02/2018	56.39	1,105,072	394,877
10/02/2018	38.20	1,053,767	327,874
11/02/2018	30.15	1,010,852	321,383
12/02/2018	28.68	1,003,544	357,535
13/02/2018	40.72	1,040,036	375,279

14/02/2018	29.68	985,837	374,166
15/02/2018	23.56	982,484	359,733
16/02/2018	21.89	925,655	363,601
17/02/2018	26.74	1,042,336	314,089
18/02/2018	22.14	992,486	308,779
19/02/2018	23.66	1,061,018	323,448
20/02/2018	23.83	855,700	359,332
21/02/2018	21.15	831,226	363,482
22/02/2018	27.89	931,168	359,262
23/02/2018	23.56	972,836	368,843
24/02/2018	21.63	917,307	316,707
25/02/2018	24.18	993,478	313,994
26/02/2018	27.01	869,711	364,123
27/02/2018	24.39	871,953	365,481
28/02/2018	21.87	852,401	355,372
01/03/2018	23.72	824,891	356,752
02/03/2018	22.52	951,960	364,748
03/03/2018	22.98	923,736	309,815
04/03/2018	22.95	918,429	316,529
05/03/2018	26.28	907,519	364,149
06/03/2018	28.62	938,222	358,501
07/03/2018	33.41	971,711	368,857
08/03/2018	33.38	668,770	319,640
09/03/2018	35.62	778,603	366,961
10/03/2018	26.95	975,677	314,334
11/03/2018	27.26	947,596	298,558
12/03/2018	33.22	952,215	363,420
13/03/2018	35.59	971,952	367,916
14/03/2018	39.80	937,892	362,793
15/03/2018	51.08	926,206	360,326
16/03/2018	52.73	950,469	362,259
17/03/2018	48.72	991,511	334,193
18/03/2018	56.85	1,017,002	341,511
19/03/2018	61.09	1,005,800	377,089
20/03/2018	53.31	994,045	363,046
21/03/2018	46.80	968,425	367,397
22/03/2018	45.95	928,925	358,635
23/03/2018	36.87	860,835	362,831
24/03/2018	29.89	949,503	300,867
25/03/2018	33.48	964,158	303,031
26/03/2018	33.44	905,548	362,652
27/03/2018	28.47	921,967	356,552
28/03/2018	29.35	844,387	357,379
29/03/2018	27.34	832,609	361,398
30/03/2018	22.69	771,417	373,587
31/03/2018	20.46	851,036	310,971
01/04/2018	22.03	828,121	298,113

02/04/2018	29.54	863,174	362,452
03/04/2018	47.78	910,840	359,468
04/04/2018	50.22	904,947	358,482
05/04/2018	65.37	905,767	363,908
06/04/2018	72.09	940,680	366,806
07/04/2018	61.94	945,254	302,559
08/04/2018	64.94	958,995	302,934
09/04/2018	63.95	865,663	364,994
10/04/2018	69.55	904,205	354,484
11/04/2018	60.01	852,988	356,804
12/04/2018	47.33	819,825	356,277
13/04/2018	28.74	754,379	363,771
14/04/2018	33.96	823,497	317,187
15/04/2018	46.25	965,587	316,045
16/04/2018	62.61	1,059,770	327,624
17/04/2018	69.56	874,372	353,449
18/04/2018	63.28	874,948	347,067
19/04/2018	75.03	882,081	346,660
20/04/2018	51.67	848,096	349,943
21/04/2018	34.16	834,601	294,035
22/04/2018	26.21	822,521	284,232
23/04/2018	28.55	759,847	351,832
24/04/2018	25.08	727,953	365,482
25/04/2018	25.82	757,068	361,714
26/04/2018	22.55	751,320	350,763
27/04/2018	25.04	733,173	356,623
28/04/2018	17.79	741,561	309,630
29/04/2018	24.03	787,957	297,703
30/04/2018	25.24	790,433	355,738
01/05/2018	27.53	766,199	347,703
02/05/2018	26.74	754,855	377,896
03/05/2018	30.02	820,002	392,998
04/05/2018	25.29	827,955	399,377
05/05/2018	21.08	739,665	333,852
06/05/2018	20.51	764,500	304,550
07/05/2018	20.67	741,888	356,252
08/05/2018	20.50	732,824	370,604
09/05/2018	22.73	739,635	368,166
10/05/2018	22.89	777,789	364,667
11/05/2018	20.77	746,866	342,760
12/05/2018	23.15	746,945	306,303
13/05/2018	21.21	731,165	307,653
14/05/2018	22.91	735,979	363,576
15/05/2018	31.33	797,863	386,040
16/05/2018	23.23	759,804	353,084
17/05/2018	24.52	793,970	364,558
18/05/2018	22.83	788,299	340,778

19/05/2018	20.88	743,828	305,304
20/05/2018	24.35	772,990	327,556
21/05/2018	23.32	764,273	368,521
22/05/2018	21.95	814,447	347,738
23/05/2018	22.00	834,898	368,176
24/05/2018	22.86	768,892	357,714
25/05/2018	28.67	847,490	374,779
26/05/2018	26.74	965,048	337,544
27/05/2018	22.24	773,621	290,826
28/05/2018	23.48	781,662	305,971
29/05/2018	29.05	855,166	400,291
30/05/2018	24.47	857,800	387,841
31/05/2018	26.76	866,989	425,202
01/06/2018	29.18	1,011,877	418,192
02/06/2018	29.23	1,049,174	353,203
03/06/2018	23.16	776,639	330,559
04/06/2018	27.62	787,078	347,727
05/06/2018	25.23	818,177	343,876
06/06/2018	25.03	764,570	372,454
07/06/2018	25.15	773,014	337,617
08/06/2018	23.99	822,111	349,085
09/06/2018	24.13	830,203	302,590
10/06/2018	24.64	800,587	290,917
11/06/2018	23.71	782,502	343,508
12/06/2018	21.77	846,897	346,267
13/06/2018	25.40	914,503	338,671
14/06/2018	25.53	862,676	335,925
15/06/2018	23.94	783,259	336,491
16/06/2018	27.02	841,911	308,586
17/06/2018	27.88	913,830	306,362
18/06/2018	42.20	1,094,814	385,145
19/06/2018	26.88	1,045,036	367,167
20/06/2018	24.77	905,411	351,731
21/06/2018	28.21	967,954	349,195
22/06/2018	27.77	879,240	349,985
23/06/2018	22.56	838,522	278,330
24/06/2018	25.51	866,067	269,655
25/06/2018	26.63	910,507	339,596
26/06/2018	26.65	899,028	338,423
27/06/2018	27.19	910,609	345,971
28/06/2018	28.52	944,525	346,382
29/06/2018	36.01	1,160,826	395,485
30/06/2018	30.86	1,220,776	346,398
01/07/2018	39.18	1,320,965	379,642
02/07/2018	53.97	1,380,789	433,084
03/07/2018	50.67	1,424,871	447,535
04/07/2018	33.00	1,312,939	381,018

05/07/2018	39.97	1,404,135	440,651
06/07/2018	31.90	1,184,049	408,844
07/07/2018	26.11	879,833	309,167
08/07/2018	24.10	944,599	302,470
09/07/2018	30.45	1,134,989	391,287
10/07/2018	37.52	1,251,227	398,470
11/07/2018	28.52	1,092,991	373,942
12/07/2018	29.71	1,002,474	359,715
13/07/2018	30.05	1,014,903	366,964
14/07/2018	27.37	1,002,039	293,012
15/07/2018	33.45	1,107,269	332,420
16/07/2018	42.55	1,209,243	404,503
17/07/2018	38.31	1,203,793	403,900
18/07/2018	32.99	1,042,559	377,318
19/07/2018	26.64	971,409	361,687
20/07/2018	29.90	1,016,384	379,031
21/07/2018	24.73	1,022,886	288,670
22/07/2018	26.58	1,028,991	272,015
23/07/2018	34.02	1,174,391	387,956
24/07/2018	32.25	1,322,181	408,199
25/07/2018	30.32	1,274,432	403,202
26/07/2018	34.38	1,216,964	389,233
27/07/2018	35.78	1,179,988	392,104
28/07/2018	30.77	1,226,422	352,475
29/07/2018	26.67	1,115,210	302,270
30/07/2018	32.08	1,069,565	367,769
31/07/2018	29.84	1,131,544	393,308
01/08/2018	33.46	1,158,530	370,944
02/08/2018	41.87	1,298,449	419,020
03/08/2018	40.98	1,275,859	405,786
04/08/2018	32.07	1,181,412	340,765
05/08/2018	35.00	1,208,429	343,921
06/08/2018	49.33	1,342,012	437,851
07/08/2018	59.44	1,358,570	443,830
08/08/2018	49.78	1,311,167	423,774
09/08/2018	44.73	1,298,168	419,734
10/08/2018	34.25	1,141,298	380,355
11/08/2018	29.66	984,865	287,356
12/08/2018	32.66	984,974	286,578
13/08/2018	37.90	985,662	358,629
14/08/2018	35.91	1,108,602	372,027
15/08/2018	38.89	1,127,962	421,837
16/08/2018	46.53	1,261,049	408,219
17/08/2018	38.94	1,133,173	376,972
18/08/2018	34.50	1,057,253	339,913
19/08/2018	24.43	993,729	291,576
20/08/2018	28.20	948,522	367,437



21/08/2018	26.14	891,052	360,106
22/08/2018	32.94	994,906	372,438
23/08/2018	26.94	868,055	376,396
24/08/2018	30.27	931,593	364,519
25/08/2018	27.60	1,039,944	305,997
26/08/2018	28.28	1,067,282	301,968
27/08/2018	40.13	1,231,085	407,957
28/08/2018	63.57	1,351,241	449,783
29/08/2018	95.27	1,402,023	458,728
30/08/2018	48.44	1,271,453	406,343
31/08/2018	31.47	877,292	374,765
01/09/2018	28.79	859,876	293,793
02/09/2018	28.72	1,007,898	291,035
03/09/2018	38.93	1,221,974	378,984
04/09/2018	62.84	1,259,381	422,917
05/09/2018	50.23	1,245,788	417,533
06/09/2018	52.75	1,197,785	432,719
07/09/2018	33.90	928,022	346,486
08/09/2018	27.26	828,095	276,534
09/09/2018	24.53	832,222	247,023
10/09/2018	29.34	801,951	318,646
11/09/2018	32.08	807,651	348,131
12/09/2018	30.92	864,482	350,337
13/09/2018	30.34	873,857	361,929
14/09/2018	29.49	912,261	348,275
15/09/2018	31.01	909,562	294,391
16/09/2018	34.30	1,041,377	303,794
17/09/2018	41.74	1,083,781	358,853
18/09/2018	41.13	1,031,060	362,592
19/09/2018	33.19	878,668	342,047
20/09/2018	34.37	801,587	333,061
21/09/2018	38.48	796,098	329,786
22/09/2018	38.89	803,617	272,136
23/09/2018	27.38	789,766	246,848
24/09/2018	26.93	792,085	303,066
25/09/2018	28.57	737,802	333,493
26/09/2018	36.12	866,431	352,678
27/09/2018	29.63	782,904	334,880
28/09/2018	31.39	754,146	322,394
29/09/2018	27.07	785,365	257,236
30/09/2018	23.34	783,881	251,510
01/10/2018	43.36	772,517	320,068
02/10/2018	44.41	762,278	326,443
03/10/2018	45.74	757,830	327,735
04/10/2018	42.06	755,824	342,258
05/10/2018	39.14	743,444	312,688
06/10/2018	31.76	800,273	257,287

07/10/2018	43.30	772,257	270,828
08/10/2018	38.51	847,916	289,282
09/10/2018	45.83	748,990	351,711
10/10/2018	47.97	831,756	365,895
11/10/2018	36.57	910,280	298,791
12/10/2018	39.26	758,233	314,646
13/10/2018	35.45	816,829	256,782
14/10/2018	29.06	807,927	249,011
15/10/2018	36.81	803,529	330,639
16/10/2018	31.82	798,327	305,542
17/10/2018	33.49	791,816	318,634
18/10/2018	38.81	867,943	311,887
19/10/2018	34.28	850,770	309,803
20/10/2018	29.58	806,566	256,470
21/10/2018	36.22	869,149	255,554
22/10/2018	43.70	855,418	320,487
23/10/2018	44.52	846,276	317,134
24/10/2018	47.80	847,492	318,930
25/10/2018	44.44	931,925	313,640
26/10/2018	39.42	883,933	329,830
27/10/2018	38.72	1,005,559	275,817
28/10/2018	35.14	854,305	304,443
29/10/2018	36.96	791,362	373,122
30/10/2018	38.70	920,060	337,514
31/10/2018	31.50	892,747	350,190
01/11/2018	32.91	787,308	372,659
02/11/2018	32.73	793,722	352,507
03/11/2018	29.99	822,669	306,449
04/11/2018	28.81	857,315	296,475
05/11/2018	37.53	952,775	339,473
06/11/2018	33.61	788,744	385,549
07/11/2018	28.27	779,312	362,350
08/11/2018	33.71	856,366	350,577
09/11/2018	41.79	923,959	347,816
10/11/2018	33.89	920,422	304,113
11/11/2018	39.61	934,903	280,120
12/11/2018	41.07	946,587	345,038
13/11/2018	39.31	956,166	351,461
14/11/2018	57.58	1,014,666	365,901
15/11/2018	82.95	1,086,843	367,243
16/11/2018	70.03	978,057	370,392
17/11/2018	58.92	1,004,251	292,394
18/11/2018	61.73	1,043,857	268,708
19/11/2018	76.78	979,382	358,732
20/11/2018	91.99	985,955	365,318
21/11/2018	117.95	1,020,083	354,338
22/11/2018	106.79	1,209,851	263,391

23/11/2018	106.23	1,159,589	302,794
24/11/2018	91.06	1,039,490	283,783
25/11/2018	58.56	1,050,274	258,435
26/11/2018	76.52	972,902	337,616
27/11/2018	51.52	989,657	345,410
28/11/2018	54.42	988,770	343,489
29/11/2018	53.74	987,859	321,353
30/11/2018	59.09	982,923	320,042
01/12/2018	57.59	1,014,220	254,833
02/12/2018	46.38	1,058,003	244,905
03/12/2018	45.21	934,880	312,546
04/12/2018	67.80	1,035,996	310,904
05/12/2018	80.68	1,079,429	324,243
06/12/2018	57.38	1,079,898	305,815
07/12/2018	56.83	1,059,501	308,920
08/12/2018	52.53	1,165,895	287,943
09/12/2018	47.80	1,168,194	280,025
10/12/2018	62.98	1,105,554	318,314
11/12/2018	69.79	1,092,091	336,652
12/12/2018	75.72	1,120,604	325,175
13/12/2018	78.34	1,214,751	332,278
14/12/2018	58.42	1,025,783	337,254
15/12/2018	39.92	1,045,540	265,689
16/12/2018	41.86	1,068,622	272,832
17/12/2018	49.21	1,053,784	324,832
18/12/2018	50.58	1,153,427	338,101
19/12/2018	44.66	1,114,827	336,466
20/12/2018	40.68	1,095,034	316,490
21/12/2018	31.17	960,750	331,620
22/12/2018	26.53	1,017,879	252,901
23/12/2018	27.02	1,052,988	267,833
24/12/2018	40.32	986,539	326,169
25/12/2018	36.36	981,422	282,334
26/12/2018	43.97	1,058,264	337,272
27/12/2018	37.50	1,045,807	335,719
28/12/2018	28.09	997,719	347,124
29/12/2018	23.17	1,038,451	261,918
30/12/2018	30.13	1,111,496	261,468
31/12/2018	30.21	974,386	320,609
01/01/2019	24.55	1,037,971	252,015
02/01/2019	33.24	1,055,984	331,418
03/01/2019	34.81	1,037,400	333,094
04/01/2019	24.91	939,020	337,705
05/01/2019	27.59	1,131,192	242,885
06/01/2019	23.19	1,082,879	276,862
07/01/2019	28.89	1,155,073	343,841
08/01/2019	27.86	1,084,178	339,771

09/01/2019	27.93	1,020,493	323,914
10/01/2019	32.18	1,050,933	335,547
11/01/2019	47.93	1,155,749	342,929
12/01/2019	53.69	1,238,194	297,300
13/01/2019	50.45	1,297,111	277,809
14/01/2019	54.14	1,180,050	347,242
15/01/2019	63.97	1,159,079	344,096
16/01/2019	70.59	1,099,951	344,274
17/01/2019	98.84	1,164,645	349,794
18/01/2019	69.54	1,119,773	342,914
19/01/2019	84.03	1,217,967	269,038
20/01/2019	88.86	1,287,183	280,107
21/01/2019	116.61	1,315,089	380,887
22/01/2019	106.42	1,261,078	366,598
23/01/2019	65.85	1,124,950	353,301
24/01/2019	36.49	973,696	348,315
25/01/2019	44.98	995,961	341,125
26/01/2019	53.47	1,120,726	292,728
27/01/2019	40.14	1,122,739	286,682
28/01/2019	67.51	1,094,774	350,140
29/01/2019	75.25	1,227,165	354,333
30/01/2019	86.27	1,115,480	359,585
31/01/2019	89.04	1,320,013	362,174
01/02/2019	53.56	1,250,347	369,380
02/02/2019	46.74	1,244,143	317,131
03/02/2019	39.11	1,188,070	265,228
04/02/2019	39.27	950,707	332,673
05/02/2019	24.39	929,297	321,838
06/02/2019	28.30	985,669	326,576
07/02/2019	23.37	987,848	336,217
08/02/2019	24.59	935,156	337,606
09/02/2019	31.90	1,110,867	288,481
10/02/2019	34.68	1,114,105	282,723
11/02/2019	40.87	1,058,303	349,138
12/02/2019	46.40	1,173,163	359,681
13/02/2019	31.13	1,018,124	358,814
14/02/2019	32.42	1,025,504	347,161
15/02/2019	32.68	1,017,823	346,508
16/02/2019	28.94	1,067,775	268,893
17/02/2019	27.53	1,034,620	289,665
18/02/2019	31.49	1,246,441	296,164
19/02/2019	31.78	1,126,878	363,199
20/02/2019	30.25	1,150,073	367,993
21/02/2019	31.45	1,028,223	353,341
22/02/2019	32.68	914,600	345,380
23/02/2019	32.17	1,018,794	292,718
24/02/2019	26.84	1,080,610	268,331

25/02/2019	37.33	1,024,148	349,351
26/02/2019	47.58	1,098,584	362,976
27/02/2019	58.73	1,175,759	375,338
28/02/2019	55.11	1,119,299	357,447
01/03/2019	53.30	1,013,835	353,230
02/03/2019	63.89	1,085,444	292,273
03/03/2019	60.70	1,071,476	262,492
04/03/2019	66.38	1,016,054	338,975
05/03/2019	68.66	1,046,828	354,136
06/03/2019	64.32	1,116,448	350,137
07/03/2019	57.22	1,149,982	354,568
08/03/2019	43.61	1,044,379	348,324
09/03/2019	41.23	1,085,375	271,409
10/03/2019	38.11	1,028,726	263,693
11/03/2019	33.19	923,261	336,994
12/03/2019	36.01	915,253	331,879
13/03/2019	35.12	985,193	327,673
14/03/2019	30.43	926,905	315,995
15/03/2019	25.39	866,960	308,649
16/03/2019	24.50	949,592	244,255
17/03/2019	28.79	992,580	252,046
18/03/2019	35.95	932,951	318,344
19/03/2019	37.53	932,835	317,344
20/03/2019	30.85	898,177	317,162
21/03/2019	31.79	916,805	310,661
22/03/2019	28.45	906,516	320,859
23/03/2019	26.86	944,080	262,312
24/03/2019	25.10	898,700	255,010
25/03/2019	28.48	877,650	308,588
26/03/2019	29.59	895,381	315,658
27/03/2019	31.12	919,808	309,807
28/03/2019	25.73	886,457	314,994
29/03/2019	26.15	867,697	310,731
30/03/2019	25.90	865,646	261,186
31/03/2019	23.21	884,321	240,926
01/04/2019	26.50	873,268	306,339
02/04/2019	27.55	889,936	314,448
03/04/2019	26.08	859,376	304,816
04/04/2019	24.47	877,345	312,161
05/04/2019	29.44	867,425	315,485
06/04/2019	26.70	840,935	256,006
07/04/2019	26.46	861,245	237,944
08/04/2019	35.05	812,439	334,441
09/04/2019	33.87	940,877	320,002
10/04/2019	35.86	925,644	313,547
11/04/2019	32.55	853,442	313,083
12/04/2019	30.33	871,955	311,873

13/04/2019	26.42	750,415	267,271
14/04/2019	25.68	779,460	249,506
15/04/2019	27.18	814,151	303,778
16/04/2019	24.35	789,595	309,284
17/04/2019	26.96	775,886	300,664
18/04/2019	26.64	806,316	312,513
19/04/2019	21.79	797,295	292,296
20/04/2019	23.36	969,565	223,371
21/04/2019	21.58	815,210	223,678
22/04/2019	26.46	716,023	314,127
23/04/2019	23.57	767,816	296,941
24/04/2019	25.14	747,279	294,421
25/04/2019	24.01	746,504	292,295
26/04/2019	25.15	771,032	302,745
27/04/2019	24.61	845,657	249,202
28/04/2019	24.00	854,678	231,219
29/04/2019	26.00	772,032	305,319
30/04/2019	25.08	802,701	304,961
01/05/2019	27.59	806,119	311,819
02/05/2019	27.59	808,885	312,023
03/05/2019	26.44	798,432	313,561
04/05/2019	25.51	748,653	263,332
05/05/2019	23.60	822,932	232,271
06/05/2019	22.98	756,596	300,617
07/05/2019	23.99	755,617	309,824
08/05/2019	22.39	744,173	293,241
09/05/2019	24.32	748,982	293,813
10/05/2019	24.11	760,393	300,593
11/05/2019	20.74	813,674	230,965
12/05/2019	22.60	777,183	247,010
13/05/2019	26.39	770,040	305,373
14/05/2019	25.87	804,280	302,818
15/05/2019	24.78	785,037	301,698
16/05/2019	24.38	754,046	297,349
17/05/2019	24.82	747,753	298,334
18/05/2019	21.34	759,345	242,152
19/05/2019	22.85	782,487	246,436
20/05/2019	30.01	788,758	351,814
21/05/2019	23.07	763,482	306,347
22/05/2019	22.16	753,275	301,919
23/05/2019	24.86	768,823	309,741
24/05/2019	23.44	758,500	305,266
25/05/2019	23.08	794,951	241,616
26/05/2019	25.39	844,848	258,714
27/05/2019	22.44	863,830	266,275
28/05/2019	24.79	788,617	297,589
29/05/2019	26.01	778,246	302,066

30/05/2019	22.72	780,796	309,066
31/05/2019	20.91	779,154	318,638
01/06/2019	20.03	821,733	268,593
02/06/2019	20.93	828,655	260,293
03/06/2019	22.94	775,939	310,879
04/06/2019	23.65	795,828	304,642
05/06/2019	25.01	815,139	332,333
06/06/2019	23.66	843,235	342,381
07/06/2019	21.12	825,225	339,334
08/06/2019	20.94	843,444	282,327
09/06/2019	20.86	848,956	274,117
10/06/2019	23.00	831,845	356,070
11/06/2019	23.17	855,164	346,485
12/06/2019	21.85	819,311	336,420
13/06/2019	22.11	798,808	303,292
14/06/2019	20.12	799,401	302,918
15/06/2019	19.24	865,898	258,751
16/06/2019	22.61	810,765	262,361
17/06/2019	24.03	838,164	345,310
18/06/2019	21.97	875,083	327,287
19/06/2019	22.33	881,205	355,701
20/06/2019	24.55	897,055	326,018
21/06/2019	23.21	874,974	322,579
22/06/2019	18.17	881,212	266,730
23/06/2019	17.42	907,398	270,731
24/06/2019	21.70	952,167	343,668
25/06/2019	24.35	913,540	322,142
26/06/2019	22.16	1,034,375	354,486
27/06/2019	23.72	1,072,178	366,647
28/06/2019	24.90	1,096,538	373,512
29/06/2019	24.03	1,113,742	299,000
30/06/2019	20.27	1,010,628	265,987
01/07/2019	23.42	981,712	346,427
02/07/2019	26.54	1,094,555	366,577
03/07/2019	27.83	1,187,823	371,639
04/07/2019	27.30	1,166,070	309,630
05/07/2019	26.92	1,179,037	372,438
06/07/2019	28.38	1,246,497	333,433
07/07/2019	22.69	1,109,583	290,127
08/07/2019	23.70	988,146	346,627
09/07/2019	28.91	1,075,004	363,277
10/07/2019	32.21	1,145,040	383,489
11/07/2019	34.42	1,136,548	361,273
12/07/2019	36.67	1,161,533	373,062
13/07/2019	27.58	1,193,031	327,135
14/07/2019	23.57	1,206,249	327,659
15/07/2019	23.65	1,081,036	373,272

16/07/2019	32.45	1,099,249	376,659
17/07/2019	33.89	1,202,729	390,429
18/07/2019	29.66	1,083,199	369,844
19/07/2019	32.34	1,281,688	392,823
20/07/2019	41.14	1,513,993	383,977
21/07/2019	43.78	1,475,113	377,392
22/07/2019	30.86	1,112,015	371,426
23/07/2019	25.14	933,882	328,154
24/07/2019	24.51	1,026,490	350,730
25/07/2019	25.22	972,298	370,343
26/07/2019	27.74	1,089,537	371,733
27/07/2019	23.67	1,166,437	317,103
28/07/2019	26.83	1,312,199	320,488
29/07/2019	34.52	1,350,762	411,883
30/07/2019	40.27	1,462,479	414,015
31/07/2019	34.17	1,322,474	386,349
01/08/2019	32.11	1,182,714	380,978
02/08/2019	27.27	1,053,256	365,801
03/08/2019	29.61	1,103,629	306,939
04/08/2019	26.66	1,007,032	322,486
05/08/2019	27.38	1,047,497	334,523
06/08/2019	29.13	1,007,755	388,200
07/08/2019	31.68	1,104,192	384,064
08/08/2019	27.99	1,122,176	392,986
09/08/2019	26.28	1,031,536	375,548
10/08/2019	22.36	949,150	289,268
11/08/2019	19.90	921,111	276,638
12/08/2019	25.32	1,023,843	355,056
13/08/2019	26.98	1,095,257	381,070
14/08/2019	28.42	1,037,623	358,808
15/08/2019	25.36	1,016,371	358,674
16/08/2019	25.78	1,041,608	368,258
17/08/2019	27.58	1,110,788	301,305
18/08/2019	30.75	1,157,535	323,943
19/08/2019	37.62	1,286,405	407,662
20/08/2019	30.45	1,244,064	415,394
21/08/2019	31.36	1,022,248	365,667
22/08/2019	31.31	1,180,882	387,974
23/08/2019	24.38	941,757	356,215
24/08/2019	17.52	872,193	281,157
25/08/2019	17.01	864,954	261,596
26/08/2019	19.65	825,459	327,985
27/08/2019	20.02	818,123	335,067
28/08/2019	23.26	919,482	345,656
29/08/2019	21.86	980,252	356,497
30/08/2019	23.10	933,876	363,907
31/08/2019	18.07	866,249	287,504



01/09/2019	19.67	828,219	260,176
02/09/2019	21.11	867,837	283,997
03/09/2019	21.38	821,563	353,849
04/09/2019	23.06	850,189	367,115
05/09/2019	20.05	819,243	340,307
06/09/2019	20.93	791,801	315,759
07/09/2019	18.14	786,125	273,759
08/09/2019	17.87	825,630	263,331
09/09/2019	20.86	834,379	318,375
10/09/2019	23.64	796,563	338,131
11/09/2019	29.21	953,693	369,773
12/09/2019	26.27	820,171	341,461
13/09/2019	22.88	766,836	313,053
14/09/2019	19.36	818,577	274,793
15/09/2019	22.10	831,336	278,476
16/09/2019	23.09	816,587	317,653
17/09/2019	22.21	805,865	314,153
18/09/2019	23.06	766,019	319,249
19/09/2019	23.03	766,330	321,603
20/09/2019	22.08	796,321	319,313
21/09/2019	22.08	818,585	302,236
22/09/2019	21.44	870,212	299,773
23/09/2019	24.33	944,062	389,306
24/09/2019	20.20	845,282	352,235
25/09/2019	20.36	799,708	318,626
26/09/2019	19.05	747,488	322,364
27/09/2019	18.63	696,814	302,563
28/09/2019	15.77	853,243	252,557
29/09/2019	16.27	866,477	247,943
30/09/2019	20.66	799,553	316,896
01/10/2019	21.57	764,617	338,759
02/10/2019	27.47	775,935	336,714
03/10/2019	25.43	772,019	321,124
04/10/2019	20.92	727,693	309,929
05/10/2019	15.86	780,918	261,722
06/10/2019	13.90	877,971	246,790
07/10/2019	22.86	845,239	308,386
08/10/2019	21.76	778,642	304,099
09/10/2019	22.83	768,292	315,200
10/10/2019	21.91	786,638	297,628
11/10/2019	24.14	741,471	303,981
12/10/2019	21.09	786,056	244,604
13/10/2019	18.81	824,831	219,327
14/10/2019	18.55	778,020	293,536
15/10/2019	19.20	742,691	294,476
16/10/2019	20.00	801,752	295,255
17/10/2019	20.99	794,153	303,220

18/10/2019	18.72	767,650	306,066
19/10/2019	20.29	790,816	248,479
20/10/2019	21.24	870,015	234,325
21/10/2019	21.08	783,108	302,953
22/10/2019	22.69	819,020	295,383
23/10/2019	18.51	795,988	294,585
24/10/2019	19.42	798,818	293,990
25/10/2019	21.27	765,991	304,259
26/10/2019	16.68	797,509	248,201
27/10/2019	18.56	842,640	257,503
28/10/2019	22.47	802,353	309,934
29/10/2019	21.51	829,227	299,147
30/10/2019	21.47	815,797	300,994
31/10/2019	21.35	797,462	312,970
01/11/2019	19.15	758,895	298,252
02/11/2019	20.29	828,104	253,009
03/11/2019	21.99	972,758	244,274
04/11/2019	28.20	837,478	315,296
05/11/2019	22.78	870,203	301,396
06/11/2019	21.59	827,721	306,232
07/11/2019	32.98	897,048	308,916
08/11/2019	38.59	987,170	296,835
09/11/2019	31.85	986,197	258,937
10/11/2019	26.48	972,785	242,254
11/11/2019	28.46	959,891	300,802
12/11/2019	37.14	970,674	319,646
13/11/2019	55.58	1,087,063	328,037
14/11/2019	49.02	1,075,961	328,269
15/11/2019	30.13	988,605	299,962
16/11/2019	32.85	1,022,191	267,338
17/11/2019	35.29	1,105,375	257,343
18/11/2019	40.65	985,042	314,953
19/11/2019	45.16	925,492	318,999
20/11/2019	44.56	959,543	313,958
21/11/2019	36.26	939,999	305,117
22/11/2019	30.71	908,904	319,091
23/11/2019	29.72	1,115,169	214,268
24/11/2019	39.24	1,041,525	259,763
25/11/2019	34.17	905,624	310,383
26/11/2019	30.15	905,900	309,207
27/11/2019	31.55	912,858	313,486
28/11/2019	23.43	874,299	263,470
29/11/2019	25.26	1,049,427	255,353
30/11/2019	27.79	1,088,328	254,602
01/12/2019	35.54	1,115,489	263,630
02/12/2019	37.92	1,017,329	322,592
03/12/2019	41.03	1,101,077	289,160

04/12/2019	37.03	960,563	341,717
05/12/2019	36.81	1,024,550	322,071
06/12/2019	38.56	1,085,566	327,794
07/12/2019	37.25	1,143,041	288,994
08/12/2019	32.62	1,208,405	279,102
09/12/2019	30.87	965,545	341,853
10/12/2019	22.86	943,676	316,568
11/12/2019	31.93	1,012,016	387,559
12/12/2019	35.77	1,133,987	387,067
13/12/2019	31.47	1,165,416	363,233
14/12/2019	23.14	1,011,751	324,725
15/12/2019	21.65	953,629	344,579
16/12/2019	30.57	1,006,718	412,796
17/12/2019	42.89	1,116,467	409,045
18/12/2019	81.54	1,093,953	396,606
19/12/2019	111.94	1,220,939	420,445
20/12/2019	104.70	1,302,833	398,550
21/12/2019	82.42	1,131,634	386,559
22/12/2019	58.97	981,633	384,369
23/12/2019	49.91	1,068,742	363,853
24/12/2019	33.48	1,140,336	306,735
25/12/2019	26.53	1,161,349	270,001
26/12/2019	28.54	989,729	395,005
27/12/2019	26.78	1,102,844	348,973
28/12/2019	21.05	1,043,139	307,453
29/12/2019	24.29	1,066,735	313,023
30/12/2019	25.55	1,041,076	391,494
31/12/2019	21.08	1,156,630	311,167
01/01/2020	21.08	959,976	351,479
02/01/2020	26.01	989,504	375,623
03/01/2020	24.43	972,591	370,972
04/01/2020	22.17	986,321	346,234
05/01/2020	20.91	977,718	352,943
06/01/2020	30.05	1,156,987	375,670
07/01/2020	25.29	973,629	405,892
08/01/2020	25.42	1,031,701	384,373
09/01/2020	26.03	1,106,939	403,353
10/01/2020	21.38	1,083,349	370,847
11/01/2020	15.64	1,018,621	288,801
12/01/2020	19.51	890,504	315,791
13/01/2020	25.93	1,125,314	355,086
14/01/2020	25.56	1,006,304	371,510
15/01/2020	26.18	968,057	362,136
16/01/2020	30.72	1,125,229	351,697
17/01/2020	45.29	1,027,918	440,597
18/01/2020	41.11	1,158,498	385,701
19/01/2020	33.04	960,630	379,238

20/01/2020	41.92	1,248,332	354,893
21/01/2020	45.78	1,201,778	407,173
22/01/2020	32.67	1,244,694	365,735
23/01/2020	26.24	1,175,915	360,400
24/01/2020	20.75	1,066,525	360,921
25/01/2020	22.62	991,143	344,042
26/01/2020	18.11	931,996	330,126
27/01/2020	19.39	964,676	364,817
28/01/2020	20.09	1,124,330	339,828
29/01/2020	23.25	1,046,400	353,170
30/01/2020	25.64	1,097,938	381,300
31/01/2020	21.29	1,083,316	367,004
01/02/2020	23.92	987,138	342,441
02/02/2020	21.81	1,065,567	303,167
03/02/2020	20.82	1,062,861	377,522
04/02/2020	22.21	1,004,833	367,746
05/02/2020	22.04	1,022,109	361,794
06/02/2020	25.10	967,392	402,622
07/02/2020	26.32	1,162,626	347,622
08/02/2020	28.94	963,574	376,680
09/02/2020	26.27	985,018	382,488
10/02/2020	26.40	1,051,349	374,699
11/02/2020	24.76	1,041,783	318,893
12/02/2020	18.97	994,715	312,248
13/02/2020	23.20	1,030,823	315,278
14/02/2020	27.25	1,144,361	310,979
15/02/2020	27.06	1,094,847	316,671
16/02/2020	23.39	1,110,364	277,765
17/02/2020	24.03	1,022,611	308,994
18/02/2020	24.91	1,121,760	315,861
19/02/2020	20.71	1,015,419	295,439
20/02/2020	25.45	1,169,984	312,743
21/02/2020	27.30	1,175,386	314,256
22/02/2020	21.02	1,086,947	275,688
23/02/2020	20.87	1,010,164	256,754
24/02/2020	21.11	901,057	309,285
25/02/2020	21.35	968,765	304,630
26/02/2020	19.04	923,571	306,468
27/02/2020	20.16	1,003,784	297,754
28/02/2020	20.58	1,036,059	310,191
29/02/2020	19.91	1,170,859	255,412
01/03/2020	17.38	1,183,858	256,201
02/03/2020	20.74	1,027,067	306,351
03/03/2020	19.06	782,515	310,809
04/03/2020	15.62	878,161	304,920
05/03/2020	16.42	847,427	313,115
06/03/2020	19.21	902,695	307,369

07/03/2020	17.99	1,011,540	255,703
08/03/2020	17.15	942,022	240,549
09/03/2020	19.05	779,911	305,060
10/03/2020	15.86	756,995	306,974
11/03/2020	16.93	788,866	302,353
12/03/2020	19.75	1,001,657	289,380
13/03/2020	18.48	1,011,761	279,025
14/03/2020	16.19	991,846	229,187
15/03/2020	16.89	1,027,317	231,006
16/03/2020	20.73	982,899	291,720
17/03/2020	18.83	1,080,967	276,815
18/03/2020	16.70	860,615	285,192
19/03/2020	17.80	908,483	286,849
20/03/2020	14.69	830,911	284,359
21/03/2020	12.39	899,812	226,672
22/03/2020	15.23	1,052,733	220,077
23/03/2020	19.01	1,121,142	264,530
24/03/2020	16.58	887,447	285,820
25/03/2020	17.31	1,031,590	256,194
26/03/2020	17.62	880,781	270,031
27/03/2020	14.62	826,640	259,261
28/03/2020	14.05	928,042	220,409
29/03/2020	15.49	964,629	227,317
30/03/2020	16.94	919,084	276,584
31/03/2020	17.54	890,106	272,984
01/04/2020	19.12	892,666	268,473
02/04/2020	17.54	886,406	275,056
03/04/2020	19.19	880,524	272,427
04/04/2020	18.05	865,051	226,485
05/04/2020	17.20	894,692	212,763
06/04/2020	19.88	827,151	253,110
07/04/2020	19.04	829,286	252,649
08/04/2020	20.70	842,405	256,766
09/04/2020	23.10	911,754	269,494
10/04/2020	18.73	988,090	231,861
11/04/2020	15.73	881,706	229,027
12/04/2020	14.56	859,644	222,180
13/04/2020	14.90	849,770	259,248
14/04/2020	14.46	823,270	245,780
15/04/2020	20.95	839,155	249,673
16/04/2020	17.59	868,373	258,071
17/04/2020	16.19	881,590	252,244
18/04/2020	19.35	910,528	226,301
19/04/2020	17.39	851,802	214,011
20/04/2020	19.42	831,777	243,673
21/04/2020	17.76	879,301	258,460
22/04/2020	18.39	905,015	257,606

23/04/2020	20.06	866,786	249,141
24/04/2020	21.14	842,892	247,878
25/04/2020	19.34	822,950	209,871
26/04/2020	19.36	923,899	200,198
27/04/2020	20.27	890,856	261,469
28/04/2020	17.78	838,944	249,206
29/04/2020	18.33	822,095	245,907
30/04/2020	16.93	855,629	258,496
01/05/2020	17.79	823,000	246,274
02/05/2020	14.86	857,846	190,487
03/05/2020	16.65	862,206	188,975
04/05/2020	15.22	803,878	241,435
05/05/2020	15.67	807,035	242,822
06/05/2020	18.46	815,533	246,537
07/05/2020	17.98	799,185	244,695
08/05/2020	15.80	799,313	241,954
09/05/2020	15.33	864,428	225,349
10/05/2020	14.88	836,347	215,924
11/05/2020	17.90	818,966	262,898
12/05/2020	14.45	810,212	260,298
13/05/2020	14.42	800,063	263,737
14/05/2020	13.71	781,775	264,332
15/05/2020	14.76	779,644	267,181
16/05/2020	13.61	793,253	229,794
17/05/2020	13.17	843,830	208,727
18/05/2020	16.47	781,531	268,922
19/05/2020	17.46	770,511	266,068
20/05/2020	17.00	773,140	269,237
21/05/2020	15.99	792,947	272,291
22/05/2020	17.23	815,827	275,006
23/05/2020	13.95	821,857	229,232
24/05/2020	13.58	836,318	205,170
25/05/2020	13.80	864,494	213,837
26/05/2020	17.23	880,334	296,213
27/05/2020	18.88	1,094,676	324,877
28/05/2020	19.85	1,086,320	324,399
29/05/2020	19.70	1,104,593	337,540
30/05/2020	18.24	1,136,037	254,249
31/05/2020	20.51	844,151	223,210
01/06/2020	17.34	790,877	271,667
02/06/2020	18.43	797,994	275,159
03/06/2020	20.02	922,185	288,616
04/06/2020	22.18	940,827	318,258
05/06/2020	21.60	1,115,187	311,743
06/06/2020	20.55	1,253,798	265,340
07/06/2020	18.31	908,634	223,963
08/06/2020	17.21	855,994	280,342

09/06/2020	21.91	845,906	291,553
10/06/2020	19.40	858,777	287,741
11/06/2020	18.83	986,358	291,343
12/06/2020	20.53	1,032,862	297,165
13/06/2020	15.94	851,065	237,107
14/06/2020	15.65	885,976	218,067
15/06/2020	18.11	859,251	277,303
16/06/2020	17.25	934,561	289,553
17/06/2020	15.95	929,052	310,396
18/06/2020	18.01	1,184,204	348,195
19/06/2020	21.37	1,399,660	357,947
20/06/2020	23.24	1,329,527	319,055
21/06/2020	21.76	1,215,228	360,176
22/06/2020	25.39	1,186,455	371,784
23/06/2020	24.97	1,162,618	406,184
24/06/2020	22.14	1,222,328	363,551
25/06/2020	20.33	1,037,724	318,037
26/06/2020	22.76	1,209,521	327,325
27/06/2020	19.83	1,137,421	247,669
28/06/2020	20.90	1,180,986	285,544
29/06/2020	21.04	975,288	309,409
30/06/2020	19.58	1,128,983	300,659
01/07/2020	19.29	1,013,840	316,230
02/07/2020	21.13	1,341,945	337,042
03/07/2020	16.98	1,165,070	262,403
04/07/2020	17.23	1,131,612	275,179
05/07/2020	20.09	1,058,238	283,290
06/07/2020	21.44	1,216,387	322,887
07/07/2020	18.41	1,197,765	331,695
08/07/2020	20.84	1,172,857	364,402
09/07/2020	26.35	1,321,918	351,695
10/07/2020	20.77	1,302,206	391,723
11/07/2020	23.16	1,364,678	361,338
12/07/2020	23.30	1,371,134	322,435
13/07/2020	23.00	1,194,657	370,567
14/07/2020	21.65	1,124,919	346,334
15/07/2020	19.12	1,019,085	319,604
16/07/2020	21.08	1,049,866	325,779
17/07/2020	18.88	990,774	301,557
18/07/2020	23.28	1,247,600	320,205
19/07/2020	28.36	1,379,288	340,878
20/07/2020	34.21	1,451,497	376,435
21/07/2020	25.47	1,317,950	395,607
22/07/2020	22.31	1,109,954	367,732
23/07/2020	25.27	1,374,143	354,124
24/07/2020	25.29	1,193,048	373,116
25/07/2020	22.75	1,240,156	339,054

26/07/2020	22.59	1,311,977	317,647
27/07/2020	42.16	1,366,260	427,195
28/07/2020	36.35	1,356,165	420,786
29/07/2020	28.33	1,247,777	389,437
30/07/2020	28.88	1,323,710	389,112
31/07/2020	26.05	1,159,691	371,256
01/08/2020	22.58	1,195,548	347,153
02/08/2020	23.43	1,355,732	298,700
03/08/2020	31.11	1,350,960	398,688
04/08/2020	27.75	1,211,809	357,437
05/08/2020	24.66	1,217,914	371,363
06/08/2020	23.95	1,253,673	333,870
07/08/2020	20.68	1,231,362	306,418
08/08/2020	19.40	1,177,271	319,097
09/08/2020	24.30	1,327,226	306,308
10/08/2020	29.86	1,444,137	351,526
11/08/2020	39.56	1,394,965	416,628
12/08/2020	36.95	1,374,571	413,021
13/08/2020	33.37	1,217,877	383,810
14/08/2020	29.32	1,180,015	357,689
15/08/2020	19.84	1,033,026	301,532
16/08/2020	17.79	902,848	290,125
17/08/2020	21.13	1,152,410	302,941
18/08/2020	22.27	1,243,335	315,512
19/08/2020	21.10	1,154,590	276,285
20/08/2020	20.40	1,132,221	278,244
21/08/2020	22.64	1,043,924	318,819
22/08/2020	22.76	1,064,324	320,199
23/08/2020	24.54	1,145,775	309,401
24/08/2020	28.89	1,206,018	360,397
25/08/2020	27.43	1,074,925	374,658
26/08/2020	18.65	867,006	306,282
27/08/2020	20.77	978,978	288,496
28/08/2020	21.02	1,009,111	305,028
29/08/2020	22.60	857,169	296,881
30/08/2020	15.05	843,546	286,406
31/08/2020	15.85	882,566	259,259
01/09/2020	18.29	1,006,514	300,718
02/09/2020	19.04	1,084,986	279,004
03/09/2020	25.96	1,109,513	325,340
04/09/2020	20.96	1,119,155	292,299
05/09/2020	18.24	843,487	266,584
06/09/2020	17.61	837,897	263,596
07/09/2020	20.20	818,962	313,140
08/09/2020	26.48	1,189,912	334,190
09/09/2020	30.96	1,014,937	358,512
10/09/2020	35.01	997,437	363,701



11/09/2020	21.62	865,751	312,528
12/09/2020	18.63	784,553	250,331
13/09/2020	16.63	778,812	279,610
14/09/2020	23.50	837,048	312,553
15/09/2020	18.78	836,569	271,579
16/09/2020	18.23	788,366	293,498
17/09/2020	21.05	921,304	267,530
18/09/2020	18.58	769,630	290,272
19/09/2020	13.42	819,542	213,335
20/09/2020	15.38	835,755	224,110
21/09/2020	21.13	830,115	274,126
22/09/2020	18.96	835,802	275,905
23/09/2020	18.62	775,808	290,838
24/09/2020	23.55	812,483	287,033
25/09/2020	24.98	813,308	286,951
26/09/2020	19.19	848,678	246,282
27/09/2020	17.06	884,060	263,968
28/09/2020	22.57	1,071,477	315,830
29/09/2020	27.14	1,063,024	311,998
30/09/2020	18.26	842,168	313,505
01/10/2020	17.15	833,155	296,625
02/10/2020	16.86	770,137	294,003
03/10/2020	17.68	797,452	252,302
04/10/2020	17.89	832,979	225,702
05/10/2020	20.97	794,732	290,459
06/10/2020	21.61	807,560	276,723
07/10/2020	22.71	944,908	280,988
08/10/2020	18.22	821,198	270,036
09/10/2020	20.59	801,145	274,444
10/10/2020	17.84	796,991	240,051
11/10/2020	17.38	818,239	210,587
12/10/2020	20.69	894,498	235,908
13/10/2020	28.72	835,806	280,380
14/10/2020	23.02	773,872	286,223
15/10/2020	20.92	807,900	286,403
16/10/2020	24.17	859,490	273,967
17/10/2020	19.19	823,554	247,154
18/10/2020	18.16	833,186	229,788
19/10/2020	24.97	820,989	279,039
20/10/2020	24.46	838,532	276,669
21/10/2020	27.55	842,149	278,406
22/10/2020	26.96	841,552	291,328
23/10/2020	21.42	825,854	275,623
24/10/2020	20.46	876,256	240,316
25/10/2020	24.66	875,816	215,034
26/10/2020	32.09	884,689	288,236
27/10/2020	29.11	879,736	278,689

28/10/2020	38.30	880,231	288,784
29/10/2020	38.89	892,814	292,994
30/10/2020	54.12	918,110	298,321
31/10/2020	46.77	1,053,839	243,259
01/11/2020	40.99	994,653	249,356
02/11/2020	50.36	918,308	297,769
03/11/2020	42.82	1,061,779	254,127
04/11/2020	36.06	984,426	297,009
05/11/2020	20.93	870,025	278,588
06/11/2020	16.04	789,993	286,006
07/11/2020	11.23	824,582	230,052
08/11/2020	10.86	860,211	221,210
09/11/2020	16.26	859,350	271,945
10/11/2020	14.62	806,286	293,029
11/11/2020	16.33	984,095	240,829
12/11/2020	24.05	835,749	288,050
13/11/2020	25.36	906,182	290,269
14/11/2020	22.53	971,409	242,342
15/11/2020	27.06	996,482	245,037
16/11/2020	24.71	920,156	295,478
17/11/2020	33.76	1,081,134	259,921
18/11/2020	42.41	1,069,176	306,964
19/11/2020	36.57	1,201,054	265,942
20/11/2020	24.74	955,866	292,088
21/11/2020	19.50	950,488	239,350
22/11/2020	25.99	1,062,406	244,657
23/11/2020	26.74	946,021	296,493
24/11/2020	29.97	1,062,171	279,860
25/11/2020	26.87	1,168,818	276,948
26/11/2020	21.58	999,212	269,545
27/11/2020	18.39	975,238	249,834
28/11/2020	15.56	980,324	239,356
29/11/2020	16.74	991,861	242,353
30/11/2020	21.46	986,803	304,537
01/12/2020	21.10	999,547	244,574
02/12/2020	26.13	1,141,912	261,853
03/12/2020	25.61	1,063,722	280,409
04/12/2020	25.46	1,080,804	251,265
05/12/2020	27.59	1,082,710	263,312
06/12/2020	27.78	1,139,250	255,852
07/12/2020	32.45	1,063,230	289,967
08/12/2020	35.40	1,024,248	286,561
09/12/2020	31.84	1,021,060	284,695
10/12/2020	28.32	964,638	283,962
11/12/2020	29.62	1,140,367	256,748
12/12/2020	30.56	1,093,887	266,824
13/12/2020	24.32	1,127,187	235,026

14/12/2020	31.25	1,163,328	265,267
15/12/2020	40.77	1,264,410	269,947
16/12/2020	62.92	1,265,138	329,338
17/12/2020	79.48	1,199,128	326,979
18/12/2020	102.50	1,254,219	300,169
19/12/2020	90.18	1,189,535	307,338
20/12/2020	62.43	1,252,986	273,350
21/12/2020	56.08	1,186,856	293,457
22/12/2020	45.17	1,150,734	297,904
23/12/2020	39.50	1,155,565	300,131
24/12/2020	27.01	1,153,367	260,239
25/12/2020	27.96	988,866	233,523
26/12/2020	34.99	1,107,572	249,587
27/12/2020	41.25	1,145,103	250,940
28/12/2020	41.61	1,078,669	303,942
29/12/2020	37.23	1,064,830	316,379
30/12/2020	37.47	1,219,721	312,477
31/12/2020	30.13	1,152,846	264,565
01/01/2021	28.20	1,101,094	258,450
02/01/2021	29.57	1,099,068	265,495
03/01/2021	30.68	1,156,494	257,080
04/01/2021	31.27	1,096,943	296,898
05/01/2021	35.58	1,239,891	265,341
06/01/2021	31.34	1,244,642	266,176
07/01/2021	30.14	1,151,386	297,635
08/01/2021	33.45	1,234,017	261,376
09/01/2021	33.76	1,231,891	255,721
10/01/2021	36.64	1,154,475	256,576
11/01/2021	43.26	1,224,277	304,793
12/01/2021	37.56	1,185,532	305,620
13/01/2021	47.42	1,238,745	262,112
14/01/2021	47.07	1,082,177	303,713
15/01/2021	32.89	1,094,760	287,959
16/01/2021	33.14	1,099,605	258,469
17/01/2021	30.20	1,103,797	251,847
18/01/2021	32.73	1,082,020	291,162
19/01/2021	37.73	1,111,526	315,934
20/01/2021	40.69	1,193,160	298,001
21/01/2021	40.46	1,185,188	322,143
22/01/2021	30.12	1,168,554	288,397
23/01/2021	44.54	1,213,198	292,071
24/01/2021	44.04	1,204,876	304,420
25/01/2021	45.27	1,275,086	301,558
26/01/2021	46.58	1,260,844	299,641
27/01/2021	46.34	1,105,389	309,036
28/01/2021	65.53	1,214,863	304,410
29/01/2021	87.71	1,303,753	335,062

30/01/2021	84.99	1,253,626	318,175
31/01/2021	88.00	1,243,352	314,073
01/02/2021	63.52	1,275,777	331,190
02/02/2021	62.99	1,127,781	314,097
03/02/2021	103.58	1,117,615	312,288
04/02/2021	115.31	1,131,105	303,214
05/02/2021	83.20	1,125,267	314,951
06/02/2021	73.48	1,236,268	246,328
07/02/2021	80.03	1,199,271	288,421
08/02/2021	100.55	1,251,560	299,664
09/02/2021	103.70	1,310,226	307,487
10/02/2021	93.41	1,297,398	302,276
11/02/2021	94.69	1,295,311	303,279
12/02/2021	95.57	1,323,577	315,523
13/02/2021	80.26	1,249,556	290,619
14/02/2021	72.15	1,259,575	255,698
15/02/2021	71.89	1,246,360	289,780
16/02/2021	74.67	1,097,197	311,405
17/02/2021	96.03	1,216,909	298,522
18/02/2021	103.56	1,237,388	307,357
19/02/2021	89.48	1,111,368	322,330
20/02/2021	60.11	1,135,208	282,079
21/02/2021	60.48	1,245,638	256,910
22/02/2021	68.01	1,247,885	305,186
23/02/2021	50.82	1,100,072	294,965
24/02/2021	29.53	1,036,635	291,841
25/02/2021	27.92	981,009	303,713
26/02/2021	31.84	1,052,714	296,764
27/02/2021	32.19	1,125,093	278,216
28/02/2021	33.19	1,085,878	266,266
01/03/2021	39.32	1,040,238	306,208
02/03/2021	54.72	1,273,890	306,794
03/03/2021	50.52	1,149,273	305,117
04/03/2021	58.18	1,111,191	292,677
05/03/2021	65.53	1,152,869	306,370
06/03/2021	52.51	1,165,370	268,892
07/03/2021	52.66	1,184,717	251,235
08/03/2021	53.96	1,062,637	302,678
09/03/2021	38.73	1,048,590	295,245
10/03/2021	32.18	966,822	297,354
11/03/2021	26.01	966,621	274,120
12/03/2021	23.56	914,106	268,961
13/03/2021	25.99	1,006,566	246,872
14/03/2021	31.70	1,037,849	244,803
15/03/2021	53.09	1,155,211	310,151
16/03/2021	57.51	1,116,506	302,897
17/03/2021	36.21	934,207	292,812

18/03/2021	27.97	1,033,251	280,174
19/03/2021	32.40	1,024,135	280,726
20/03/2021	26.02	931,907	255,981
21/03/2021	20.80	984,297	225,907
22/03/2021	25.73	912,227	271,853
23/03/2021	24.78	900,198	267,529
24/03/2021	24.76	873,321	272,402
25/03/2021	22.34	856,260	266,210
26/03/2021	21.60	830,044	269,718
27/03/2021	19.28	847,097	233,654
28/03/2021	20.82	975,687	234,365
29/03/2021	21.28	875,578	275,113
30/03/2021	21.45	903,357	268,833
31/03/2021	21.67	923,416	263,353
01/04/2021	25.08	856,732	286,433
02/04/2021	29.42	1,061,457	269,125
03/04/2021	30.60	1,011,987	236,621
04/04/2021	23.86	882,578	241,868
05/04/2021	27.79	875,192	274,393
06/04/2021	20.87	886,228	264,874
07/04/2021	21.31	868,948	260,428
08/04/2021	23.03	814,793	256,784
09/04/2021	22.77	774,932	258,629
10/04/2021	21.95	827,463	226,257
11/04/2021	24.11	833,248	215,760
12/04/2021	24.87	855,424	261,694
13/04/2021	23.73	869,319	258,753
14/04/2021	23.87	816,076	255,724
15/04/2021	25.10	835,218	272,002
16/04/2021	34.73	938,000	280,456
17/04/2021	34.65	912,712	245,248
18/04/2021	30.30	847,715	233,678
19/04/2021	27.98	829,018	256,555
20/04/2021	25.39	851,973	269,979
21/04/2021	24.77	772,986	281,799
22/04/2021	30.03	859,322	272,162
23/04/2021	24.53	847,937	256,762
24/04/2021	23.53	843,756	230,022
25/04/2021	26.02	819,606	231,174
26/04/2021	23.93	840,746	263,457
27/04/2021	24.55	850,705	263,182
28/04/2021	26.88	761,867	260,738
29/04/2021	29.52	775,103	265,982
30/04/2021	24.91	839,368	260,392
01/05/2021	20.92	838,216	231,043
02/05/2021	18.49	844,057	219,010
03/05/2021	23.27	842,433	262,665

04/05/2021	27.09	851,430	266,748
05/05/2021	26.52	907,415	259,575
06/05/2021	25.02	830,209	259,552
07/05/2021	27.83	819,920	255,206
08/05/2021	24.64	828,145	232,565
09/05/2021	23.97	831,423	214,626
10/05/2021	28.72	830,527	260,493
11/05/2021	25.31	816,011	273,742
12/05/2021	23.80	817,897	275,039
13/05/2021	24.75	803,090	275,551
14/05/2021	22.97	812,006	273,054
15/05/2021	22.64	832,422	240,125
16/05/2021	23.80	791,895	242,412
17/05/2021	26.10	772,662	292,986
18/05/2021	25.36	873,211	287,200
19/05/2021	28.29	971,711	280,578
20/05/2021	26.71	875,050	297,733
21/05/2021	24.87	872,126	312,256
22/05/2021	24.71	1,057,097	295,118
23/05/2021	28.32	1,043,471	283,760
24/05/2021	24.06	800,874	291,813
25/05/2021	23.81	881,435	300,187
26/05/2021	28.56	1,080,797	349,762
27/05/2021	27.19	1,021,940	307,642
28/05/2021	24.63	845,040	270,663
29/05/2021	23.90	868,971	234,468
30/05/2021	23.10	881,811	227,779
31/05/2021	23.41	895,981	237,227
01/06/2021	23.55	826,327	283,951
02/06/2021	25.11	903,383	300,156
03/06/2021	23.74	946,148	309,763
04/06/2021	26.35	1,035,071	321,609
05/06/2021	26.66	1,254,571	291,993
06/06/2021	37.50	1,338,175	309,648
07/06/2021	43.33	1,552,497	353,594
08/06/2021	45.45	1,453,522	347,081
09/06/2021	45.09	1,482,082	351,046
10/06/2021	32.25	903,948	314,425
11/06/2021	30.93	878,228	283,035
12/06/2021	27.47	860,594	262,234
13/06/2021	28.00	1,007,906	262,352
14/06/2021	29.10	889,755	307,525
15/06/2021	32.42	931,792	311,409
16/06/2021	26.79	885,824	305,365
17/06/2021	28.32	847,386	303,761
18/06/2021	29.13	860,423	329,739
19/06/2021	31.72	1,159,340	289,554

20/06/2021	35.98	1,346,578	281,436
21/06/2021	48.73	1,354,668	366,312
22/06/2021	33.07	1,083,109	334,975
23/06/2021	26.50	879,700	309,800
24/06/2021	27.38	888,489	315,542
25/06/2021	29.50	851,212	314,378
26/06/2021	31.84	1,128,182	286,926
27/06/2021	40.44	1,550,255	303,765
28/06/2021	57.52	1,730,530	382,126
29/06/2021	91.29	1,769,011	392,881
30/06/2021	104.21	1,768,572	372,385
01/07/2021	50.26	1,269,160	349,132
02/07/2021	32.38	859,693	311,156
03/07/2021	24.99	840,778	254,772
04/07/2021	24.12	860,592	242,460
05/07/2021	28.49	941,672	270,938
06/07/2021	43.49	1,183,754	351,947
07/07/2021	46.51	1,413,255	339,157
08/07/2021	33.94	990,204	310,528
09/07/2021	35.36	880,099	313,387
10/07/2021	32.45	963,335	278,622
11/07/2021	32.34	1,124,291	264,711
12/07/2021	37.33	933,787	317,894
13/07/2021	33.52	915,609	314,320
14/07/2021	37.37	1,051,973	347,929
15/07/2021	49.66	1,479,194	340,390
16/07/2021	49.98	1,485,402	372,424
17/07/2021	38.97	1,260,908	309,669
18/07/2021	35.64	1,029,391	275,866
19/07/2021	37.30	982,917	323,186
20/07/2021	44.95	1,158,035	350,353
21/07/2021	36.94	1,272,367	325,403
22/07/2021	33.15	1,109,785	319,583
23/07/2021	36.94	1,099,371	319,963
24/07/2021	34.81	1,017,325	293,003
25/07/2021	36.93	1,025,501	290,370
26/07/2021	47.76	1,328,560	336,830
27/07/2021	47.17	1,314,808	325,146
28/07/2021	36.88	927,525	340,254
29/07/2021	34.82	1,040,931	314,300
30/07/2021	35.79	1,024,152	312,572
31/07/2021	29.31	860,014	272,808
01/08/2021	32.69	923,958	269,940
02/08/2021	36.30	909,394	325,668
03/08/2021	32.60	928,490	319,994
04/08/2021	36.73	956,758	329,892
05/08/2021	36.43	893,824	322,032

06/08/2021	41.68	1,030,989	350,399
07/08/2021	44.33	1,307,736	310,993
08/08/2021	39.76	1,322,243	309,276
09/08/2021	42.01	1,299,934	326,714
10/08/2021	44.74	1,105,813	340,617
11/08/2021	56.89	1,650,900	363,295
12/08/2021	82.56	1,678,453	396,112
13/08/2021	82.70	1,642,946	387,334
14/08/2021	54.22	1,463,996	348,413
15/08/2021	36.94	1,038,072	295,939
16/08/2021	38.55	965,043	323,478
17/08/2021	40.17	1,030,580	346,919
18/08/2021	46.68	1,445,187	343,159
19/08/2021	54.29	1,322,692	333,523
20/08/2021	59.20	1,447,748	348,351
21/08/2021	56.44	1,456,819	320,301
22/08/2021	42.04	1,176,735	303,216
23/08/2021	52.79	1,272,079	321,967
24/08/2021	61.49	1,451,674	340,883
25/08/2021	69.68	1,478,648	363,515
26/08/2021	84.31	1,633,704	385,079
27/08/2021	60.98	1,546,370	368,959
28/08/2021	42.76	1,079,595	312,403
29/08/2021	41.48	938,462	282,879
30/08/2021	55.50	1,097,500	337,995
31/08/2021	46.50	1,035,585	345,601
01/09/2021	39.16	1,029,212	340,183
02/09/2021	39.15	1,191,828	331,990
03/09/2021	36.52	965,716	357,084
04/09/2021	35.38	1,045,912	301,561
05/09/2021	40.07	918,688	281,991
06/09/2021	43.49	1,159,649	287,748
07/09/2021	42.72	800,920	333,806
08/09/2021	44.71	981,419	333,883
09/09/2021	44.53	971,660	336,713
10/09/2021	41.10	808,099	327,734
11/09/2021	37.96	866,508	265,029
12/09/2021	42.49	957,378	279,780
13/09/2021	52.77	988,468	326,121
14/09/2021	51.97	926,493	314,770
15/09/2021	62.68	1,114,783	336,152
16/09/2021	62.66	836,288	334,709
17/09/2021	59.35	817,507	318,597
18/09/2021	61.45	1,064,116	273,646
19/09/2021	48.29	928,255	267,928
20/09/2021	53.04	824,550	305,384
21/09/2021	49.61	822,276	308,996



22/09/2021	55.85	999,385	303,808
23/09/2021	60.04	1,053,793	331,341
24/09/2021	63.02	1,067,657	321,573
25/09/2021	45.16	963,338	258,203
26/09/2021	40.49	914,413	259,124
27/09/2021	43.29	775,066	307,119
28/09/2021	49.83	791,412	306,022
29/09/2021	46.58	790,481	295,834
30/09/2021	48.75	777,933	298,532
01/10/2021	50.55	784,975	293,604
02/10/2021	46.97	804,355	266,129
03/10/2021	46.73	812,414	262,799
04/10/2021	59.82	821,263	294,456
05/10/2021	58.88	798,529	296,239
06/10/2021	56.73	865,661	287,651
07/10/2021	64.31	779,966	303,161
08/10/2021	60.84	807,333	296,519
09/10/2021	53.00	800,489	264,605
10/10/2021	49.55	837,687	245,296
11/10/2021	58.23	789,921	300,295
12/10/2021	61.38	866,180	289,117
13/10/2021	57.49	832,809	300,031
14/10/2021	87.22	817,102	309,230
15/10/2021	77.69	817,162	310,504
16/10/2021	73.50	948,602	255,519
17/10/2021	51.32	851,462	240,421
18/10/2021	62.28	813,344	288,465
19/10/2021	54.09	820,510	292,206
20/10/2021	51.57	796,701	293,032
21/10/2021	54.01	832,827	293,130
22/10/2021	54.82	804,984	295,134
23/10/2021	50.26	801,810	257,771
24/10/2021	45.46	859,969	243,856
25/10/2021	63.17	862,196	301,144
26/10/2021	59.95	916,201	293,683
27/10/2021	62.17	895,831	294,985
28/10/2021	57.65	870,855	295,173
29/10/2021	60.00	878,592	300,844
30/10/2021	63.29	868,893	269,493
31/10/2021	53.09	819,555	257,551
01/11/2021	50.62	819,036	295,929
02/11/2021	59.65	879,750	298,486
03/11/2021	58.87	1,035,619	283,188
04/11/2021	70.49	1,052,844	287,125
05/11/2021	65.51	915,655	306,350
06/11/2021	57.52	1,022,085	245,165
07/11/2021	62.09	947,400	288,329

08/11/2021	54.74	915,610	295,333
09/11/2021	54.41	853,570	308,227
10/11/2021	51.10	869,641	296,492
11/11/2021	45.78	1,042,282	269,108
12/11/2021	46.80	887,595	304,310
13/11/2021	44.20	884,627	261,308
14/11/2021	45.73	888,173	269,554
15/11/2021	50.43	949,692	312,145
16/11/2021	48.41	981,708	316,605
17/11/2021	52.31	1,120,908	297,165
18/11/2021	44.70	846,015	316,083
19/11/2021	47.55	920,999	311,153
20/11/2021	53.26	1,040,031	255,127
21/11/2021	47.40	907,388	285,339
22/11/2021	50.07	941,738	307,293
23/11/2021	69.30	1,012,015	330,559
24/11/2021	62.68	1,153,538	304,040
25/11/2021	51.98	1,058,412	255,315
26/11/2021	65.30	926,470	303,069
27/11/2021	57.36	1,109,100	274,793
28/11/2021	72.78	1,208,922	262,180
29/11/2021	96.90	1,074,702	325,659
30/11/2021	87.56	1,093,267	336,471
01/12/2021	91.17	1,153,234	311,457
02/12/2021	65.96	1,117,124	311,704
03/12/2021	57.00	1,005,516	329,422
04/12/2021	63.86	1,188,685	270,403
05/12/2021	54.25	1,162,791	270,392
06/12/2021	47.16	1,128,106	302,456
07/12/2021	55.01	1,005,728	328,679
08/12/2021	111.63	1,187,491	319,803
09/12/2021	90.22	1,200,309	328,331
10/12/2021	59.57	1,193,178	324,852
11/12/2021	38.86	1,110,042	289,203
12/12/2021	33.02	1,107,761	251,520
13/12/2021	35.43	1,008,882	328,615
14/12/2021	38.72	1,005,238	323,135
15/12/2021	39.97	1,163,660	309,359
16/12/2021	36.37	1,118,044	292,814
17/12/2021	37.96	859,836	313,666
18/12/2021	88.80	1,131,013	261,700
19/12/2021	126.15	1,216,226	274,360
20/12/2021	141.23	1,276,549	321,950
21/12/2021	87.89	1,193,787	324,468
22/12/2021	86.99	1,137,415	334,082
23/12/2021	110.38	1,239,838	324,064
24/12/2021	71.55	1,262,055	303,152

25/12/2021	65.15	1,165,457	288,978
26/12/2021	53.77	1,200,029	273,286
27/12/2021	83.56	1,208,982	317,063
28/12/2021	63.28	1,182,243	309,672
29/12/2021	50.12	1,162,505	310,818
30/12/2021	43.59	1,052,151	321,718
31/12/2021	38.55	1,087,495	298,135
01/01/2022	34.62	941,864	299,433
02/01/2022	40.22	1,109,009	265,525
03/01/2022	76.99	1,197,616	334,572
04/01/2022	93.27	1,265,026	335,230
05/01/2022	93.96	1,211,610	333,868
06/01/2022	95.04	1,158,445	319,251
07/01/2022	144.20	1,210,682	326,782
08/01/2022	150.25	1,364,423	290,396
09/01/2022	141.93	1,238,506	296,363
10/01/2022	147.52	1,273,273	329,524
11/01/2022	170.73	1,453,147	351,152
12/01/2022	154.30	1,333,013	362,497
13/01/2022	159.54	1,215,500	336,146
14/01/2022	158.79	1,233,316	337,908
15/01/2022	170.78	1,511,480	334,295
16/01/2022	167.63	1,470,397	325,369
17/01/2022	165.67	1,305,262	309,656
18/01/2022	176.03	1,230,475	344,680
19/01/2022	159.02	1,198,722	356,583
20/01/2022	153.95	1,203,534	337,006
21/01/2022	167.09	1,295,403	363,235
22/01/2022	183.77	1,279,858	327,464
23/01/2022	158.42	1,237,747	298,384
24/01/2022	183.24	1,194,490	326,021
25/01/2022	158.86	1,084,780	341,965
26/01/2022	174.96	1,174,447	354,790
27/01/2022	170.64	1,292,773	350,885
28/01/2022	171.25	1,190,821	322,973
29/01/2022	201.63	1,264,731	313,647
30/01/2022	189.21	1,359,665	287,564
31/01/2022	204.43	1,273,796	342,176
01/02/2022	184.57	1,176,394	337,359
02/02/2022	173.09	1,050,360	321,640
03/02/2022	135.00	1,067,845	323,765
04/02/2022	146.12	1,169,785	326,217
05/02/2022	166.08	1,109,533	303,595
06/02/2022	170.24	1,186,081	307,812
07/02/2022	175.91	1,262,397	341,140
08/02/2022	139.07	1,018,956	333,068
09/02/2022	101.10	1,067,681	321,632

10/02/2022	74.24	1,070,322	321,845
11/02/2022	45.92	947,697	311,471
12/02/2022	39.81	1,046,257	265,804
13/02/2022	105.55	1,252,727	281,852
14/02/2022	179.20	1,199,615	333,363
15/02/2022	176.37	1,217,325	337,026
16/02/2022	101.91	1,274,260	342,274
17/02/2022	41.40	941,858	312,579
18/02/2022	62.52	925,694	301,351
19/02/2022	109.64	1,331,600	290,641
20/02/2022	106.08	1,331,600	288,459
21/02/2022	67.49	1,091,612	309,835
22/02/2022	61.09	960,669	313,174
23/02/2022	39.64	924,628	301,563
24/02/2022	83.33	1,070,540	322,156
25/02/2022	170.99	1,095,701	331,226
26/02/2022	162.50	1,331,717	290,295
27/02/2022	133.52	1,066,348	281,825
28/02/2022	153.98	1,250,468	331,699
01/03/2022	115.74	1,195,283	323,253
02/03/2022	57.30	989,423	309,634
03/03/2022	119.14	1,035,312	318,852
04/03/2022	165.68	1,096,855	321,431
05/03/2022	87.42	1,071,718	279,001
06/03/2022	45.75	999,045	245,664
07/03/2022	50.35	921,165	295,638
08/03/2022	45.85	936,941	294,421
09/03/2022	55.89	1,069,026	307,948
10/03/2022	46.37	996,072	299,149
11/03/2022	50.98	957,518	304,454
12/03/2022	64.03	1,034,748	262,150
13/03/2022	75.81	1,042,342	262,269
14/03/2022	73.96	991,968	300,020
15/03/2022	46.43	883,630	296,636
16/03/2022	43.70	896,914	277,866
17/03/2022	42.32	853,150	284,946
18/03/2022	40.14	849,438	263,472
19/03/2022	43.30	897,211	237,946
20/03/2022	38.01	895,416	226,491
21/03/2022	42.19	877,162	268,616
22/03/2022	43.83	897,105	277,073
23/03/2022	49.96	904,383	280,618
24/03/2022	48.63	865,073	303,260
25/03/2022	49.53	876,810	272,623
26/03/2022	58.10	885,883	232,265
27/03/2022	66.60	875,928	249,654
28/03/2022	112.18	1,013,858	309,578

29/03/2022	120.83	1,080,711	297,466
30/03/2022	95.79	960,310	289,549
31/03/2022	54.71	844,984	292,056
01/04/2022	49.57	835,083	279,140
02/04/2022	54.97	852,427	247,607
03/04/2022	51.75	931,999	234,950
04/04/2022	52.03	865,936	270,682
05/04/2022	55.04	858,520	268,314
06/04/2022	59.98	833,774	278,353
07/04/2022	66.96	836,553	290,228
08/04/2022	58.31	864,318	267,964
09/04/2022	63.75	863,734	249,714
10/04/2022	58.61	898,435	231,028
11/04/2022	63.41	805,150	266,630
12/04/2022	62.18	771,596	270,132
13/04/2022	60.69	776,887	276,425
14/04/2022	65.40	782,947	276,418
15/04/2022	55.62	821,314	241,005
16/04/2022	57.27	854,945	225,367
17/04/2022	57.19	857,860	222,632
18/04/2022	67.62	813,245	270,445
19/04/2022	66.61	837,471	283,169
20/04/2022	66.22	819,203	277,601
21/04/2022	65.09	818,093	279,212
22/04/2022	60.12	761,135	273,010
23/04/2022	58.45	833,092	224,194
24/04/2022	59.05	835,532	220,243
25/04/2022	64.47	763,317	277,484
26/04/2022	71.07	783,107	287,841
27/04/2022	66.59	778,779	282,824
28/04/2022	83.49	848,337	276,388
29/04/2022	62.13	798,716	277,726
30/04/2022	60.48	793,735	239,521
01/05/2022	56.39	859,806	231,106
02/05/2022	68.58	845,161	292,981
03/05/2022	73.95	843,504	299,315
04/05/2022	86.93	862,859	298,611
05/05/2022	71.10	809,712	283,271
06/05/2022	72.72	805,592	281,188
07/05/2022	76.59	862,747	233,716
08/05/2022	77.13	856,243	230,040
09/05/2022	80.36	809,703	291,061
10/05/2022	68.57	811,291	290,468
11/05/2022	63.56	809,789	291,480
12/05/2022	71.67	841,628	303,677
13/05/2022	66.32	879,549	325,808
14/05/2022	76.76	1,114,620	304,383

15/05/2022	78.75	1,088,972	290,254
16/05/2022	86.15	1,056,084	313,052
17/05/2022	65.22	858,234	304,695
18/05/2022	68.04	805,268	290,527
19/05/2022	75.01	837,917	306,160
20/05/2022	67.68	894,096	291,612
21/05/2022	100.39	1,032,322	292,111
22/05/2022	125.05	1,386,240	289,796
23/05/2022	66.80	913,757	325,491
24/05/2022	68.99	887,088	289,761
25/05/2022	73.69	848,980	307,394
26/05/2022	81.69	879,713	305,755
27/05/2022	86.49	999,471	335,119
28/05/2022	71.39	1,019,887	290,824
29/05/2022	67.68	874,128	287,812
30/05/2022	77.26	1,077,029	297,351
31/05/2022	94.46	1,020,760	349,042
01/06/2022	73.86	880,625	315,494
02/06/2022	78.21	890,236	310,839
03/06/2022	85.40	873,863	315,972
04/06/2022	69.85	854,125	291,973
05/06/2022	67.47	895,742	257,356
06/06/2022	70.89	893,765	330,192
07/06/2022	76.91	975,602	337,209
08/06/2022	82.46	921,424	355,927
09/06/2022	79.18	1,057,167	320,359
10/06/2022	66.17	888,366	342,270
11/06/2022	66.95	868,462	303,144
12/06/2022	69.60	998,641	287,010
13/06/2022	79.60	1,045,792	367,392
14/06/2022	83.14	942,585	365,704
15/06/2022	70.55	932,947	368,575
16/06/2022	68.21	1,055,656	335,295
17/06/2022	76.76	1,065,016	377,154
18/06/2022	60.39	888,550	288,695
19/06/2022	56.53	867,258	248,094
20/06/2022	61.19	982,772	286,494
21/06/2022	63.79	889,385	325,889
22/06/2022	58.22	899,032	339,203
23/06/2022	56.01	898,238	349,814
24/06/2022	58.34	1,090,556	383,600
25/06/2022	62.78	1,170,618	330,070
26/06/2022	73.41	1,361,484	293,546
27/06/2022	58.21	1,272,488	341,886
28/06/2022	60.29	1,015,191	353,979
29/06/2022	66.52	1,146,699	345,621
30/06/2022	71.51	1,003,979	360,686

01/07/2022	85.83	1,315,270	363,418
02/07/2022	63.76	1,398,213	310,181
03/07/2022	53.41	1,076,553	307,659
04/07/2022	53.50	1,011,379	301,795
05/07/2022	57.89	1,029,920	334,655
06/07/2022	57.33	1,006,648	370,273
07/07/2022	51.36	1,127,749	346,126
08/07/2022	55.72	1,192,929	360,745
09/07/2022	49.69	1,212,696	284,852
10/07/2022	50.13	971,103	296,575
11/07/2022	58.23	1,109,769	348,879
12/07/2022	65.72	1,239,934	361,775
13/07/2022	67.16	1,197,593	388,417
14/07/2022	63.94	1,233,984	371,145
15/07/2022	60.70	1,093,704	365,693
16/07/2022	62.46	1,057,865	338,168
17/07/2022	64.30	1,322,162	334,522
18/07/2022	83.64	1,322,134	373,786
19/07/2022	114.76	1,536,001	390,913
20/07/2022	169.25	1,658,523	415,565
21/07/2022	224.56	1,687,264	409,491
22/07/2022	217.82	1,572,551	397,585
23/07/2022	145.84	1,491,030	372,602
24/07/2022	142.83	1,530,670	375,161
25/07/2022	137.67	1,565,516	383,686
26/07/2022	95.25	1,189,968	354,031
27/07/2022	91.51	888,573	397,206
28/07/2022	102.78	1,277,283	381,517
29/07/2022	100.70	1,402,806	379,218
30/07/2022	83.50	1,206,032	330,425
31/07/2022	85.82	1,249,439	312,076
01/08/2022	97.67	1,341,442	368,934
02/08/2022	100.89	1,408,426	380,613
03/08/2022	98.48	1,306,011	392,003
04/08/2022	149.10	1,503,102	413,163
05/08/2022	142.71	1,576,672	394,796
06/08/2022	112.99	1,494,968	377,046
07/08/2022	114.65	1,595,603	371,751
08/08/2022	170.68	1,680,362	424,776
09/08/2022	163.42	1,669,287	393,092
10/08/2022	109.48	1,168,249	357,610
11/08/2022	98.52	1,214,938	351,470
12/08/2022	79.91	1,012,261	343,075
13/08/2022	69.71	867,977	282,676
14/08/2022	67.46	935,247	285,523
15/08/2022	82.08	1,072,826	328,730
16/08/2022	74.32	947,750	339,282

17/08/2022	74.95	881,587	338,109
18/08/2022	79.03	977,103	323,332
19/08/2022	90.25	1,148,077	341,636
20/08/2022	90.46	1,282,025	308,599
21/08/2022	82.14	1,341,311	299,596
22/08/2022	84.40	1,085,992	342,702
23/08/2022	98.84	1,092,575	340,915
24/08/2022	107.33	1,225,354	355,030
25/08/2022	98.41	1,324,816	346,461
26/08/2022	98.42	1,160,431	343,437
27/08/2022	82.43	1,049,396	301,733
28/08/2022	78.53	1,017,924	299,974
29/08/2022	101.04	1,236,960	351,703
30/08/2022	111.53	1,495,258	358,320
31/08/2022	92.45	1,198,203	347,437
01/09/2022	75.22	834,003	338,297
02/09/2022	74.13	1,222,012	360,573
03/09/2022	75.84	1,078,699	311,964
04/09/2022	80.69	1,011,856	307,362
05/09/2022	79.07	1,475,586	344,958
06/09/2022	83.00	862,310	328,255
07/09/2022	78.42	802,391	326,655
08/09/2022	70.81	752,659	337,978
09/09/2022	70.98	906,327	316,119
10/09/2022	68.54	967,316	299,655
11/09/2022	72.78	892,105	325,543
12/09/2022	82.78	887,964	372,357
13/09/2022	82.85	987,291	349,825
14/09/2022	69.30	994,684	321,588
15/09/2022	71.21	785,403	299,830
16/09/2022	67.55	773,591	286,631
17/09/2022	59.81	836,747	254,468
18/09/2022	68.50	898,352	281,095
19/09/2022	85.40	889,647	329,802
20/09/2022	75.93	805,389	334,051
21/09/2022	69.49	800,277	320,824
22/09/2022	69.86	765,945	324,050
23/09/2022	60.14	791,224	293,233
24/09/2022	40.41	828,524	246,127
25/09/2022	41.71	845,413	263,326
26/09/2022	50.72	830,825	332,022
27/09/2022	49.93	782,667	316,494
28/09/2022	50.57	787,080	308,606
29/09/2022	49.10	772,682	299,744
30/09/2022	51.11	793,761	293,992
01/10/2022	50.44	764,111	280,637
02/10/2022	43.40	806,830	263,352



03/10/2022	51.19	732,556	316,433
04/10/2022	58.68	740,119	315,742
05/10/2022	57.34	762,679	316,458
06/10/2022	59.86	751,498	307,248
07/10/2022	59.23	715,327	313,480
08/10/2022	59.70	846,670	254,550
09/10/2022	52.89	755,349	277,759
10/10/2022	65.14	779,299	313,107
11/10/2022	65.54	785,253	314,301
12/10/2022	64.87	764,912	311,546
13/10/2022	59.26	761,185	311,776
14/10/2022	54.25	742,026	308,222
15/10/2022	45.80	754,316	274,403
16/10/2022	45.03	797,846	258,010
17/10/2022	60.49	764,145	322,754
18/10/2022	54.02	826,201	309,658
19/10/2022	51.86	831,326	308,806
20/10/2022	49.57	809,675	299,680
21/10/2022	46.25	752,129	297,032
22/10/2022	43.52	786,202	261,762
23/10/2022	50.75	832,386	245,677
24/10/2022	55.27	764,987	298,552
25/10/2022	53.70	743,441	305,706
26/10/2022	54.13	760,828	301,087
27/10/2022	41.61	729,650	288,011
28/10/2022	47.94	775,038	282,866
29/10/2022	49.57	793,729	264,035
30/10/2022	44.97	856,217	243,040
31/10/2022	55.09	792,933	291,094
01/11/2022	53.27	805,918	293,515
02/11/2022	40.52	661,669	242,131
03/11/2022	48.11	663,895	245,814
04/11/2022	41.31	662,273	242,375
05/11/2022	28.89	649,063	225,372
06/11/2022	27.18	736,572	228,780
07/11/2022	39.57	645,953	248,392
08/11/2022	38.68	657,154	238,281
09/11/2022	44.08	682,093	252,118
10/11/2022	35.64	674,102	250,028
11/11/2022	41.83	799,871	231,620
12/11/2022	35.77	703,700	227,623
13/11/2022	34.92	689,425	211,629
14/11/2022	58.03	800,231	294,266
15/11/2022	73.87	803,933	304,439
16/11/2022	59.18	1,001,872	295,653
17/11/2022	66.03	903,313	300,471
18/11/2022	74.78	908,678	302,128

19/11/2022	85.03	942,677	258,775
20/11/2022	115.98	1,011,270	253,254
21/11/2022	154.87	1,027,117	303,299
22/11/2022	123.12	945,609	311,795
23/11/2022	82.66	905,922	305,760
24/11/2022	75.65	916,831	264,873
25/11/2022	64.40	998,951	252,855
26/11/2022	60.77	865,070	266,483
27/11/2022	64.51	966,480	248,736
28/11/2022	67.50	901,120	303,309
29/11/2022	70.47	955,205	309,567
30/11/2022	60.29	946,180	309,931
01/12/2022	83.64	1,057,073	300,313
02/12/2022	68.37	929,353	308,905
03/12/2022	49.74	997,503	247,894
04/12/2022	47.88	1,017,927	249,036
05/12/2022	52.98	953,986	306,521
06/12/2022	46.70	1,047,327	296,460
07/12/2022	47.66	847,832	303,947
08/12/2022	45.68	913,528	291,631
09/12/2022	51.63	950,056	308,176
10/12/2022	74.46	1,087,846	271,734
11/12/2022	85.63	1,186,437	264,443
12/12/2022	106.97	1,124,138	309,738
13/12/2022	146.68	1,133,141	312,222
14/12/2022	174.04	1,143,828	318,744
15/12/2022	107.43	1,048,015	312,784
16/12/2022	97.07	873,562	271,651
17/12/2022	101.63	899,043	221,571
18/12/2022	125.51	1,001,109	225,794
19/12/2022	150.64	940,777	278,257
20/12/2022	134.58	929,318	286,917
21/12/2022	119.60	987,492	283,335
22/12/2022	99.36	987,308	287,250
23/12/2022	162.10	913,833	258,767
24/12/2022	215.93	970,256	273,225
25/12/2022	253.80	983,024	255,958
26/12/2022	267.73	1,002,591	259,836
27/12/2022	238.29	884,636	281,166
28/12/2022	226.26	896,649	294,364
29/12/2022	98.14	840,045	282,337
30/12/2022	53.84	841,371	237,132
31/12/2022	39.30	874,045	223,420

## Large Customer Group

Month	Rate - \$/MWh	Supplier	Rate - \$/MWh
January-18	101.42	Direct Energy Business Marketing, LLC	101.43
February-18	105.10	Vitol, Inc.	108.99
March-18	79.37	Vitol, Inc.	84.22
April-18	65.49	Vitol, Inc.	72.28
May-18	59.63	Vitol, Inc.	68.71
June-18	65.18	Vitol, Inc.	72.67
July-18	66.56	Vitol, Inc.	72.24
August-18	64.18	NextEra Energy Power Marketing, LLC	67.72
September-18	66.89	NextEra Energy Power Marketing, LLC	72.38
October-18	74.44	NextEra Energy Power Marketing, LLC	78.08
November-18	76.37	Vitol, Inc.	75.06
December-18	96.67	Vitol, Inc.	91.66
January-19	121.24	Vitol, Inc.	116.44
February-19	132.56	Calpine Energy Services, L.P.	126.80
March-19	105.63	Calpine Energy Services, L.P.	101.26
April-19	81.34	Calpine Energy Services, L.P.	78.41
May-19	73.67	DTE Energy Trading, Inc.	71.26
June-19	61.01	DTE Energy Trading, Inc.	66.73
July-19	66.18	DTE Energy Trading, Inc.	71.58
August-19	57.45	Calpine Energy Services, L.P.	60.52
September-19	56.69	Calpine Energy Services, L.P.	63.18
October-19	56.93	Calpine Energy Services, L.P.	63.01
November-19	66.98	Calpine Energy Services, L.P.	69.01
December-19	87.06	Calpine Energy Services, L.P.	84.36
January-20	102.44	Calpine Energy Services, L.P.	100.24
February-20	92.11	Calpine Energy Services, L.P.	95.34
March-20	73.19	Calpine Energy Services, L.P.	73.48
April-20	63.00	Calpine Energy Services, L.P.	68.19
May-20	54.87	Calpine Energy Services, L.P.	61.25
June-20	48.90	Calpine Energy Services, L.P.	54.35
July-20	54.12	Calpine Energy Services, L.P.	56.37
August-20	49.63	Calpine Energy Services, L.P.	48.50
September-20	48.04	Calpine Energy Services, L.P.	50.96
October-20	50.15	Calpine Energy Services, L.P.	50.88
November-20	60.77	NextEra Energy Marketing, LLC	58.49
December-20	74.01	NextEra Energy Marketing, LLC	70.56
January-21	87.19	NextEra Energy Marketing, LLC	82.80
February-21	75.12	Calpine Energy Services, L.P.	73.47
March-21	65.53	Calpine Energy Services, L.P.	61.71
April-21	57.82	Calpine Energy Services, L.P.	56.30
May-21	53.29	Calpine Energy Services, L.P.	53.08
June-21	49.21	Calpine Energy Services, L.P.	49.94
July-21	52.59	Calpine Energy Services, L.P.	52.06

August-21	55.40	Dynegy Marketing and Trade, LLC	55.79
September-21	51.97	Dynegy Marketing and Trade, LLC	56.29
October-21	53.62	Dynegy Marketing and Trade, LLC	56.11
November-21	65.72	Dynegy Marketing and Trade, LLC	64.97
December-21	84.91	Dynegy Marketing and Trade, LLC	85.71
January-22	107.38	Dynegy Marketing and Trade, LLC	109.01
February-22	187.56	Dynegy Marketing and Trade, LLC	183.67
March-22	121.95	Dynegy Marketing and Trade, LLC	118.66
April-22	79.37	Dynegy Marketing and Trade, LLC	76.40
May-22	61.13	Dynegy Marketing and Trade, LLC	62.94
June-22	64.57	Dynegy Marketing and Trade, LLC	67.18
July-22	73.03	Dynegy Marketing and Trade, LLC	76.45
August-22	167.47	NextEra Energy Marketing, LLC	158.85
September-22	143.43	NextEra Energy Marketing, LLC	138.39
October-22	134.35	NextEra Energy Marketing, LLC	129.67
November-22	179.72	NextEra Energy Marketing, LLC	165.32
December-22	318.69	NextEra Energy Marketing, LLC	268.06
January-23	384.74	NextEra Energy Marketing, LLC	317.15
February-23			420.63
March-23			217.49
April-23			164.15
May-23	104.42	Calpine Energy Services, L.P.	122.02
June-23	100.43	Calpine Energy Services, L.P.	119.57
July-23	119.55	Calpine Energy Services, L.P.	169.87

Updated after each completed RFP

O:\DocketBk\2022\22-053\[Attachment 22-053 RR 7.xlsx]Daily Market Price

**Note Energy America changed its name to Direct Energy Business Marketing in July 2**

## Small Customer Group

### Supplier

Direct Energy Business Marketing, LLC

Exelon Generation Company, LLC

Exelon Generation Company, LLC

Exelon Generation Company, LLC

Exelon Generation Company, LLC

Exelon Generation Company, LLC

Exelon Generation Company, LLC

NextEra Energy Power Marketing, LLC

NextEra Energy Power Marketing, LLC

NextEra Energy Power Marketing, LLC

NextEra Energy Power Marketing, LLC

NextEra Energy Power Marketing, LLC

NextEra Energy Power Marketing, LLC

Calpine Energy Services, L.P.

Calpine Energy Services, L.P.

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Calpine Energy Services, L.P.

NextEra Energy Marketing, LLC

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2016.

## Liberty Utilities (Granite State Electric) Corp Large Customer Group Energy (Default)

### Final Total Reported Values

<b>Month</b>	<b>Wholesale Purchases (kWh)</b>
Jan-18	10,399,350
Feb-18	9,793,353
Mar-18	10,786,698
Apr-18	10,196,780
May-18	10,978,281
Jun-18	10,225,494
Jul-18	11,501,862
Aug-18	11,675,525
Sep-18	9,833,107
Oct-18	9,613,060
Nov-18	9,913,926
Dec-18	9,459,182
Jan-19	10,108,419
Feb-19	9,229,950
Mar-19	9,470,309
Apr-19	8,713,735
May-19	8,972,278
Jun-19	9,420,993
Jul-19	11,179,415
Aug-19	10,756,826
Sep-19	9,388,823
Oct-19	9,003,541
Nov-19	8,679,448
Dec-19	10,716,720
Jan-20	11,317,355
Feb-20	9,352,088
Mar-20	8,442,816
Apr-20	7,357,525
May-20	7,801,667
Jun-20	9,050,852
Jul-20	10,766,743
Aug-20	10,152,172
Sep-20	8,678,869
Oct-20	8,298,441
Nov-20	8,048,946
Dec-20	8,616,579
Jan-21	8,949,346
Feb-21	8,290,371
Mar-21	8,539,002
Apr-21	7,710,931

May-21	8,310,576
Jun-21	9,498,766
Jul-21	9,689,076
Aug-21	10,374,845
Sep-21	9,245,363
Oct-21	8,792,045
Nov-21	8,801,896
Dec-21	9,469,258
Jan-22	10,155,340
Feb-22	8,784,665
Mar-22	8,783,995
Apr-22	7,866,249
May-22	9,123,862
Jun-22	9,829,441
Jul-22	11,058,138
Aug-22	10,803,524
Sep-22	9,425,423
Oct-22	9,056,781
Nov-22	8,023,268
Dec-22	8,623,530
Jan-23	8,719,477



**Service Loads (expressed in kWh/h)**

## Liberty Utilities (Granite State Electric) Corp Small Customer Group Energy (Default

### Final Total Reported Values

<b>Month</b>	<b>Wholesale Purchases (kWh)</b>
Jan-18	35,471,908
Feb-18	27,896,771
Mar-18	28,353,013
Apr-18	25,489,622
May-18	24,413,306
Jun-18	27,022,323
Jul-18	35,664,036
Aug-18	35,085,609
Sep-18	27,279,375
Oct-18	25,703,532
Nov-18	28,814,658
Dec-18	32,911,735
Jan-19	35,186,497
Feb-19	30,074,933
Mar-19	29,845,316
Apr-19	24,795,501
May-19	24,207,908
Jun-19	26,527,606
Jul-19	36,356,406
Aug-19	31,769,016
Sep-19	24,604,707
Oct-19	24,623,332
Nov-19	28,760,229
Dec-19	33,466,795
Jan-20	32,696,832
Feb-20	30,295,727
Mar-20	28,999,520
Apr-20	26,064,004
May-20	26,499,251
Jun-20	31,139,247
Jul-20	38,116,165
Aug-20	35,524,832
Sep-20	27,037,053
Oct-20	26,277,369
Nov-20	29,014,258
Dec-20	34,935,436
Jan-21	36,554,232
Feb-21	33,119,641
Mar-21	31,157,437
Apr-21	25,660,412

May-21	27,039,271	
Jun-21	34,367,278	
Jul-21	33,644,388	
Aug-21	38,531,929	
Sep-21	28,153,202	
Oct-21	25,878,175	
Nov-21	29,358,793	
Dec-21	35,231,371	
Jan-22	38,773,812	
Feb-22	31,439,669	
Mar-22	29,695,382	
Apr-22	24,795,240	
May-22	28,492,149	
Jun-22	29,526,264	
Jul-22	39,175,262	
Aug-22	38,312,134	
Sep-22	26,662,728	
Oct-22	24,078,861	initial estimate
Nov-22	24,832,145	initial estimate
Dec-22	30,263,048	initial estimate
Jan-23	31,308,140	initial estimate

**t) Service Loads (expressed in kWh/h)**

C Day-Ahead and Real-Time Monthly LMP Index Report  
 C Filename: dartmonthlylmpindex\_2018.csv  
 C Report generated: 02/10/2023 17:13:58 EST

				Day Ahead	Day Off-	Day All	Real Time	Real Time
				Peak	Peak	Hours	On-Peak	Off-Peak
		Location	Location	LMP	LMP	LMP	Avg LMP	Avg LMP
H	Month Begin	ID	Name	\$/MWh	\$/MWh	\$/MWh	\$/MWh	\$/MWh
H	Date	Number	String	Number	Number	Number	Number	Number
D	1/1/2018	4002	.Z.NEWHAM	114.19	100.13	106.78	109.44	98.79
D	2/1/2018	4002	.Z.NEWHAM	42.91	36.08	39.34	36.85	36.39
D	3/1/2018	4002	.Z.NEWHAM	38.91	31.86	35.2	35.93	28.95
D	4/1/2018	4002	.Z.NEWHAM	50.43	39.64	44.68	48.55	38.22
D	5/1/2018	4002	.Z.NEWHAM	27.79	20.64	24.02	28.5	19.66
D	6/1/2018	4002	.Z.NEWHAM	30.65	23.58	26.88	28.42	23.99
D	7/1/2018	4002	.Z.NEWHAM	40.28	27.05	33.02	40.87	28.06
D	8/1/2018	4002	.Z.NEWHAM	49.81	29.1	39.34	48.67	30.26
D	9/1/2018	4002	.Z.NEWHAM	41.34	28.85	34.12	39.57	43
D	10/1/2018	4002	.Z.NEWHAM	43.55	34.25	38.85	43.39	36.51
D	11/1/2018	4002	.Z.NEWHAM	64.21	51.81	57.59	61.07	49.11
D	12/1/2018	4002	.Z.NEWHAM	56.63	40.97	47.7	47.33	38.17
D	1/1/2019	4002	.Z.NEWHAM	62.75	50.75	56.43	58.54	44.65
D	2/1/2019	4002	.Z.NEWHAM	38.68	33.11	35.76	39.46	34.91
D	3/1/2019	4002	.Z.NEWHAM	40.62	35.82	37.99	37.39	36.47
D	4/1/2019	4002	.Z.NEWHAM	29.3	24.34	26.76	28.38	24.97
D	5/1/2019	4002	.Z.NEWHAM	26.85	21.88	24.23	25.69	20.39
D	6/1/2019	4002	.Z.NEWHAM	25.29	19.61	22.13	24.79	20.6
D	7/1/2019	4002	.Z.NEWHAM	34.05	25.75	29.68	30.37	28.59
D	8/1/2019	4002	.Z.NEWHAM	31	21.52	26	26.63	21.35
D	9/1/2019	4002	.Z.NEWHAM	24.32	18.87	21.29	23.65	18.13
D	10/1/2019	4002	.Z.NEWHAM	23.65	17.86	20.73	22.86	17.94
D	11/1/2019	4002	.Z.NEWHAM	36.77	28.82	32.35	39.4	30.5
D	12/1/2019	4002	.Z.NEWHAM	45.96	36.55	40.8	51.67	35.1
D	1/1/2020	4002	.Z.NEWHAM	29.75	23.7	26.56	27.69	25.07
D	2/1/2020	4002	.Z.NEWHAM	25.34	21.51	23.27	22.35	18.98
D	3/1/2020	4002	.Z.NEWHAM	19.24	15.3	17.17	18.7	15.09
D	4/1/2020	4002	.Z.NEWHAM	20.18	16.73	18.42	19.13	17.07
D	5/1/2020	4002	.Z.NEWHAM	18.02	14.95	16.28	19.05	16.91
D	6/1/2020	4002	.Z.NEWHAM	22.62	17.53	20.02	23.76	19.22
D	7/1/2020	4002	.Z.NEWHAM	28.15	19.94	24	27.32	18.19
D	8/1/2020	4002	.Z.NEWHAM	29.43	19.86	24.18	28.06	21.24
D	9/1/2020	4002	.Z.NEWHAM	25.69	16.9	21	24.73	16.33
D	10/1/2020	4002	.Z.NEWHAM	29.32	21.03	24.95	33.96	21.05
D	11/1/2020	4002	.Z.NEWHAM	30.37	21.38	25.37	28.86	21.6
D	12/1/2020	4002	.Z.NEWHAM	43.32	37.88	40.46	44.99	38.8
D	1/1/2021	4002	.Z.NEWHAM	44.94	41.19	42.8	46.59	41.59
D	2/1/2021	4002	.Z.NEWHAM	83.09	64.38	73.29	81.61	62.5

D	3/1/2021	4002 .Z.NEWHAM	38.31	31.66	34.96	36.7	30.82
D	4/1/2021	4002 .Z.NEWHAM	27.98	24.11	26	26.63	25.19
D	5/1/2021	4002 .Z.NEWHAM	27.84	22.73	24.93	26.96	21.83
D	6/1/2021	4002 .Z.NEWHAM	45.45	29.53	37.31	43.66	29.01
D	7/1/2021	4002 .Z.NEWHAM	44.22	31.79	37.4	41.22	31.67
D	8/1/2021	4002 .Z.NEWHAM	60.58	40.71	50.11	61.6	38.81
D	9/1/2021	4002 .Z.NEWHAM	53.78	43.07	48.07	51.98	42.38
D	10/1/2021	4002 .Z.NEWHAM	66.32	51.62	58.26	63.53	50.44
D	11/1/2021	4002 .Z.NEWHAM	61.67	53.87	57.51	62.5	56.68
D	12/1/2021	4002 .Z.NEWHAM	72.22	61.26	66.68	65.61	54.44
D	1/1/2022	4002 .Z.NEWHAM	159.27	140.48	148.97	161.75	137.83
D	2/1/2022	4002 .Z.NEWHAM	122.27	114.28	118.08	114.78	104.34
D	3/1/2022	4002 .Z.NEWHAM	68.83	63.51	66.15	65.75	66.52
D	4/1/2022	4002 .Z.NEWHAM	66.63	56.95	61.47	61.82	55.34
D	5/1/2022	4002 .Z.NEWHAM	77.83	75.05	76.3	79.46	69.65
D	6/1/2022	4002 .Z.NEWHAM	74.98	63.44	69.08	76.33	68.47
D	7/1/2022	4002 .Z.NEWHAM	110.68	75.93	90.87	109.32	78.45
D	8/1/2022	4002 .Z.NEWHAM	116.91	83.59	100.07	108.26	85.54
D	9/1/2022	4002 .Z.NEWHAM	72.23	63.41	67.53	63.44	59.87
D	10/1/2022	4002 .Z.NEWHAM	59.5	48.14	53.27	60.08	46.39
D	11/1/2022	4002 .Z.NEWHAM	67.22	57.76	62.16	71.97	64.18
D	12/1/2022	4002 .Z.NEWHAM	116.72	114.06	115.27	119.19	123.18

Real Time  
All Hours  
Avg LMP  
\$/MWh  
Number

- 103.83
- 36.61
- 32.26
- 43.04
- 23.84
- 26.05
- 33.85
- 39.37
- 41.55
- 39.91
- 54.68
- 42.11
- 51.22
- 37.08
- 36.88
- 26.64
- 22.9
- 22.47
- 29.43
- 23.85
- 20.59
- 20.37
- 34.45
- 42.58
- 26.31
- 20.53
- 16.8
- 18.08
- 17.83
- 21.44
- 22.7
- 24.32
- 20.25
- 27.16
- 24.82
- 41.73
- 43.74
- 71.6

33.73  
25.9  
24.04  
36.17  
35.98  
49.59  
46.86  
56.35  
59.39  
59.96  
148.63  
109.31  
66.14  
58.36  
74.08  
72.31  
91.72  
96.78  
61.54  
52.57  
67.81  
121.38



Date	DT	Energy	Peak_De mand	Peak_Hou r	Peak_DB	Peak_DP	Peak_WT HI	Min_Dem and
1/1/2018	1	38	1,900	18	5	-9	0	1,310
1/2/2018	2	40	1,966	18	8	-1	0	1,324
1/3/2018	3	39	1,852	19	18	5	0	1,312
1/4/2018	4	38	1,831	18	24	20	0	1,283
1/5/2018	5	38	1,890	18	6	-5	0	1,201
1/6/2018	6	39	1,881	18	3	-11	0	1,343
1/7/2018	7	38	1,863	18	11	-6	0	1,348
1/8/2018	1	37	1,781	18	29	20	0	1,240
1/9/2018	2	35	1,708	18	35	19	0	1,147
1/10/2018	3	34	1,685	18	28	15	0	1,137
1/11/2018	4	33	1,616	18	48	43	0	1,090
1/12/2018	5	32	1,534	18	53	53	0	1,009
1/13/2018	6	31	1,621	19	19	10	0	925
1/14/2018	7	34	1,732	18	15	-2	0	1,160
1/15/2018	1	38	1,856	18	18	-4	0	1,240
1/16/2018	2	36	1,723	18	29	18	0	1,219
1/17/2018	3	35	1,746	18	29	26	0	1,129
1/18/2018	4	35	1,703	19	24	16	0	1,134
1/19/2018	5	34	1,633	18	30	20	0	1,165
1/20/2018	6	31	1,488	18	44	27	0	1,066
1/21/2018	7	29	1,457	19	32	27	0	992
1/22/2018	1	33	1,686	18	28	23	0	996
1/23/2018	2	34	1,645	18	33	31	0	1,064
1/24/2018	3	33	1,693	19	25	13	0	1,045
1/25/2018	4	36	1,773	19	20	1	0	1,174
1/26/2018	5	35	1,630	19	24	10	0	1,233
1/27/2018	6	31	1,498	18	48	28	0	1,093
1/28/2018	7	29	1,495	18	39	25	0	951
1/29/2018	1	33	1,654	19	30	15	0	990
1/30/2018	2	35	1,706	19	27	4	0	1,095
1/31/2018	3	35	1,683	19	26	7	0	1,165
2/1/2018	4	33	1,614	19	31	28	0	1,093
2/2/2018	5	34	1,716	19	11	-4	0	1,032
2/3/2018	6	34	1,614	19	21	5	0	1,220
2/4/2018	7	32	1,571	18	39	33	0	1,092
2/5/2018	1	32	1,668	19	26	6	0	978
2/6/2018	2	34	1,678	19	30	16	0	1,130
2/7/2018	3	35	1,740	18	25	21	0	1,150
2/8/2018	4	34	1,687	19	20	7	0	1,113
2/9/2018	5	35	1,642	19	24	14	0	1,180
2/10/2018	6	31	1,499	18	42	39	0	1,099
2/11/2018	7	30	1,552	18	34	32	0	965
2/12/2018	1	32	1,633	19	33	15	0	993
2/13/2018	2	34	1,663	19	27	4	0	1,103

2/14/2018	3	33	1,569	19	38	30	0	1,110
2/15/2018	4	32	1,551	19	46	41	0	1,050
2/16/2018	5	31	1,520	19	38	29	0	979
2/17/2018	6	31	1,498	19	31	15	0	1,051
2/18/2018	7	30	1,514	19	36	22	0	1,007
2/19/2018	1	32	1,582	19	43	32	0	1,036
2/20/2018	2	31	1,527	19	51	47	0	974
2/21/2018	3	30	1,499	19	65	53	0	952
2/22/2018	4	31	1,592	19	31	28	0	926
2/23/2018	5	32	1,542	19	33	30	0	1,053
2/24/2018	6	29	1,383	19	42	29	0	978
2/25/2018	7	29	1,475	18	35	33	0	956
2/26/2018	1	30	1,501	19	43	24	0	964
2/27/2018	2	30	1,480	19	44	19	0	1,009
2/28/2018	3	29	1,437	19	54	24	0	988
3/1/2018	4	29	1,435	19	46	26	0	925
3/2/2018	5	31	1,502	12	38	34	0	953
3/3/2018	6	28	1,386	19	41	26	0	963
3/4/2018	7	28	1,448	19	39	24	0	926
3/5/2018	1	31	1,543	19	38	22	0	961
3/6/2018	2	31	1,547	19	35	20	0	1,009
3/7/2018	3	32	1,614	19	30	28	0	1,013
3/8/2018	4	30	1,546	19	32	29	0	966
3/9/2018	5	31	1,511	19	31	25	0	1,025
3/10/2018	6	29	1,432	19	36	21	0	1,003
3/11/2018	7	28	1,418	20	37	23	0	975
3/12/2018	1	31	1,505	20	37	27	0	993
3/13/2018	2	32	1,542	13	28	25	0	1,015
3/14/2018	3	31	1,521	20	34	30	0	1,012
3/15/2018	4	32	1,523	20	37	22	0	1,021
3/16/2018	5	32	1,496	20	29	12	0	1,030
3/17/2018	6	30	1,439	20	20	-7	0	1,053
3/18/2018	7	31	1,487	20	25	-5	0	1,081
3/19/2018	1	33	1,560	20	29	6	0	1,086
3/20/2018	2	32	1,523	08	19	4	0	1,090
3/21/2018	3	32	1,523	20	39	20	0	1,042
3/22/2018	4	31	1,474	20	43	19	0	1,018
3/23/2018	5	30	1,410	09	32	21	0	1,008
3/24/2018	6	28	1,331	20	36	30	0	959
3/25/2018	7	28	1,384	20	38	18	0	940
3/26/2018	1	30	1,457	20	42	9	0	993
3/27/2018	2	31	1,456	08	19	15	0	1,019
3/28/2018	3	30	1,411	09	36	21	0	963
3/29/2018	4	30	1,416	20	49	38	0	947
3/30/2018	5	29	1,373	10	43	39	0	922
3/31/2018	6	27	1,258	20	50	13	0	917
4/1/2018	7	26	1,241	21	40	13	41	868

4/2/2018	1	30	1,440	11	30	24	41	923
4/3/2018	2	30	1,475	20	36	34	43	986
4/4/2018	3	31	1,432	11	39	37	44	960
4/5/2018	4	30	1,468	20	36	3	40	963
4/6/2018	5	31	1,428	18	33	31	40	1,021
4/7/2018	6	27	1,298	10	36	22	37	949
4/8/2018	7	27	1,349	20	36	10	37	936
4/9/2018	1	30	1,419	09	26	9	33	971
4/10/2018	2	30	1,433	20	37	32	41	972
4/11/2018	3	30	1,401	08	28	26	36	974
4/12/2018	4	29	1,391	20	47	38	48	956
4/13/2018	5	28	1,319	11	56	45	52	918
4/14/2018	6	27	1,294	20	36	27	47	857
4/15/2018	7	29	1,446	19	28	23	40	915
4/16/2018	1	32	1,516	12	35	31	41	989
4/17/2018	2	30	1,420	20	41	28	44	953
4/18/2018	3	30	1,386	20	46	30	46	973
4/19/2018	4	30	1,417	11	37	34	44	943
4/20/2018	5	29	1,349	10	41	26	43	953
4/21/2018	6	26	1,217	10	45	26	44	933
4/22/2018	7	25	1,202	21	52	12	45	886
4/23/2018	1	28	1,287	09	38	26	42	880
4/24/2018	2	27	1,278	20	66	24	53	874
4/25/2018	3	28	1,348	19	52	50	56	848
4/26/2018	4	28	1,320	11	53	51	55	872
4/27/2018	5	27	1,270	12	60	43	58	868
4/28/2018	6	25	1,167	11	54	49	56	836
4/29/2018	7	25	1,251	19	48	42	55	794
4/30/2018	1	28	1,358	20	46	42	52	861
5/1/2018	2	28	1,316	21	60	47	55	905
5/2/2018	3	29	1,429	21	81	38	63	861
5/3/2018	4	31	1,491	13	81	55	70	909
5/4/2018	5	30	1,435	14	75	61	71	940
5/5/2018	6	25	1,210	21	69	37	65	844
5/6/2018	7	25	1,259	19	57	54	62	802
5/7/2018	1	28	1,312	21	59	41	58	819
5/8/2018	2	28	1,336	19	76	43	64	850
5/9/2018	3	28	1,356	18	76	44	66	850
5/10/2018	4	28	1,342	21	67	52	62	860
5/11/2018	5	27	1,271	10	52	31	52	874
5/12/2018	6	25	1,180	21	47	42	52	823
5/13/2018	7	24	1,183	21	58	36	53	814
5/14/2018	1	28	1,370	21	72	51	61	813
5/15/2018	2	30	1,490	15	81	61	70	878
5/16/2018	3	28	1,316	21	56	45	60	870
5/17/2018	4	29	1,390	17	78	53	67	876
5/18/2018	5	27	1,272	12	60	30	56	876

5/19/2018	6	25	1,223 19	50	48	58	823
5/20/2018	7	26	1,281 19	72	55	63	811
5/21/2018	1	29	1,421 19	79	38	65	834
5/22/2018	2	29	1,382 18	60	57	64	871
5/23/2018	3	30	1,461 18	83	47	68	866
5/24/2018	4	29	1,385 18	76	32	65	878
5/25/2018	5	31	1,515 16	88	45	69	878
5/26/2018	6	30	1,474 18	83	59	72	923
5/27/2018	7	26	1,181 12	56	47	63	874
5/28/2018	1	25	1,252 21	61	55	61	803
5/29/2018	2	31	1,611 18	87	45	67	842
5/30/2018	3	30	1,495 18	75	45	67	916
5/31/2018	4	32	1,626 18	85	52	71	907
6/1/2018	5	34	1,689 18	80	71	74	1,024
6/2/2018	6	33	1,602 18	85	59	75	1,051
6/3/2018	7	26	1,273 19	63	42	65	880
6/4/2018	1	29	1,378 18	52	48	59	847
6/5/2018	2	29	1,363 19	57	53	58	869
6/6/2018	3	29	1,346 14	65	49	60	861
6/7/2018	4	29	1,390 14	67	56	64	875
6/8/2018	5	30	1,465 14	77	54	68	885
6/9/2018	6	27	1,327 18	77	46	68	871
6/10/2018	7	26	1,338 19	76	32	65	830
6/11/2018	1	29	1,414 18	72	48	65	856
6/12/2018	2	31	1,551 18	81	48	68	876
6/13/2018	3	32	1,553 13	77	57	69	927
6/14/2018	4	32	1,517 12	72	52	68	995
6/15/2018	5	29	1,387 12	59	54	64	922
6/16/2018	6	28	1,429 19	82	49	69	864
6/17/2018	7	30	1,545 18	88	50	72	900
6/18/2018	1	36	1,995 17	90	71	77	966
6/19/2018	2	35	1,688 17	78	48	73	1,153
6/20/2018	3	32	1,613 17	81	51	71	950
6/21/2018	4	33	1,618 17	81	48	70	963
6/22/2018	5	31	1,508 16	78	51	70	927
6/23/2018	6	27	1,278 12	65	50	64	901
6/24/2018	7	27	1,403 19	74	64	67	832
6/25/2018	1	31	1,484 14	75	48	67	941
6/26/2018	2	30	1,527 18	79	40	67	881
6/27/2018	3	31	1,539 15	77	57	68	923
6/28/2018	4	33	1,599 18	71	70	70	965
6/29/2018	5	37	1,938 18	90	63	76	1,014
6/30/2018	6	37	1,942 18	90	63	78	1,071
7/1/2018	7	40	2,105 18	89	76	81	1,170
7/2/2018	1	43	2,190 17	90	73	82	1,232
7/3/2018	2	45	2,312 15	90	74	82	1,276
7/4/2018	3	40	2,070 18	92	60	80	1,215

7/5/2018	4	45	2,328	16	94	71	82	1,207
7/6/2018	5	40	1,996	15	83	65	78	1,150
7/7/2018	6	29	1,429	18	79	47	71	910
7/8/2018	7	30	1,642	19	84	55	72	890
7/9/2018	1	38	2,056	18	91	56	75	990
7/10/2018	2	40	2,155	17	91	61	78	1,124
7/11/2018	3	36	1,778	18	81	54	74	1,167
7/12/2018	4	33	1,682	18	79	50	71	986
7/13/2018	5	34	1,744	16	83	54	72	993
7/14/2018	6	30	1,436	18	76	61	71	972
7/15/2018	7	33	1,749	18	82	68	74	966
7/16/2018	1	39	2,069	18	88	68	78	1,078
7/17/2018	2	38	1,989	12	81	72	76	1,237
7/18/2018	3	35	1,685	18	79	46	70	1,105
7/19/2018	4	33	1,670	18	83	48	70	958
7/20/2018	5	34	1,760	17	84	55	72	969
7/21/2018	6	30	1,508	18	77	55	71	966
7/22/2018	7	30	1,517	19	75	71	72	940
7/23/2018	1	39	1,992	18	78	74	75	1,086
7/24/2018	2	41	2,093	16	85	69	78	1,208
7/25/2018	3	41	2,037	14	82	71	78	1,243
7/26/2018	4	39	1,946	14	81	69	77	1,223
7/27/2018	5	39	2,058	16	87	67	77	1,125
7/28/2018	6	36	1,858	16	82	69	77	1,112
7/29/2018	7	33	1,671	18	82	56	74	1,040
7/30/2018	1	35	1,805	17	83	59	74	1,007
7/31/2018	2	38	1,974	18	84	61	75	1,059
8/1/2018	3	37	1,775	14	76	67	74	1,129
8/2/2018	4	42	2,190	16	89	67	77	1,172
8/3/2018	5	41	2,092	15	83	75	79	1,261
8/4/2018	6	36	1,712	18	78	72	76	1,158
8/5/2018	7	37	1,987	18	90	65	78	1,069
8/6/2018	1	44	2,349	18	92	67	80	1,199
8/7/2018	2	45	2,334	15	93	69	82	1,332
8/8/2018	3	43	2,198	17	87	71	80	1,292
8/9/2018	4	42	2,128	17	87	66	79	1,283
8/10/2018	5	37	1,864	17	83	51	75	1,171
8/11/2018	6	30	1,416	12	65	60	69	1,019
8/12/2018	7	30	1,441	18	70	67	70	968
8/13/2018	1	34	1,618	14	73	68	71	1,012
8/14/2018	2	36	1,804	15	80	69	74	1,061
8/15/2018	3	39	2,035	18	87	67	76	1,110
8/16/2018	4	40	2,028	16	86	60	77	1,216
8/17/2018	5	37	1,856	15	81	65	76	1,106
8/18/2018	6	34	1,696	12	71	69	72	1,158
8/19/2018	7	30	1,482	18	77	57	71	978
8/20/2018	1	33	1,621	18	73	59	70	969

8/21/2018	2	32	1,532	15	72	60	70	963
8/22/2018	3	34	1,694	18	77	69	72	1,000
8/23/2018	4	32	1,546	17	77	43	69	1,001
8/24/2018	5	32	1,665	17	84	57	72	929
8/25/2018	6	31	1,567	18	81	62	73	969
8/26/2018	7	31	1,642	18	81	65	75	936
8/27/2018	1	39	2,049	17	87	65	77	1,080
8/28/2018	2	44	2,319	17	94	70	81	1,238
8/29/2018	3	47	2,379	17	93	70	82	1,379
8/30/2018	4	41	2,025	14	82	65	78	1,247
8/31/2018	5	32	1,556	14	73	53	72	1,037
9/1/2018	6	28	1,348	20	69	61	67	903
9/2/2018	7	30	1,558	18	80	67	72	893
9/3/2018	1	39	2,156	18	92	71	79	1,051
9/4/2018	2	42	2,112	17	88	61	79	1,289
9/5/2018	3	41	2,169	18	89	69	79	1,138
9/6/2018	4	42	2,196	14	89	71	80	1,298
9/7/2018	5	33	1,504	14	69	54	72	1,095
9/8/2018	6	27	1,264	12	65	52	66	927
9/9/2018	7	25	1,279	20	57	47	59	819
9/10/2018	1	29	1,426	19	59	56	60	832
9/11/2018	2	30	1,523	20	71	66	66	897
9/12/2018	3	31	1,491	20	66	64	67	976
9/13/2018	4	32	1,561	20	71	65	69	958
9/14/2018	5	32	1,554	17	76	63	72	960
9/15/2018	6	29	1,446	18	78	62	73	940
9/16/2018	7	32	1,727	18	85	68	76	907
9/17/2018	1	35	1,785	14	85	65	76	1,020
9/18/2018	2	35	1,702	20	74	70	73	1,088
9/19/2018	3	31	1,470	20	63	57	67	1,032
9/20/2018	4	29	1,423	20	59	54	63	916
9/21/2018	5	29	1,376	12	61	53	62	900
9/22/2018	6	27	1,248	20	57	43	59	923
9/23/2018	7	25	1,311	20	57	52	59	809
9/24/2018	1	28	1,394	20	49	39	54	832
9/25/2018	2	29	1,471	19	59	58	59	868
9/26/2018	3	32	1,629	20	77	69	68	897
9/27/2018	4	30	1,432	20	62	54	66	952
9/28/2018	5	28	1,354	11	55	53	61	887
9/29/2018	6	26	1,239	20	54	50	58	839
9/30/2018	7	25	1,297	20	56	49	58	803
10/1/2018	1	29	1,468	19	55	54	59	871
10/2/2018	2	30	1,476	19	52	51	57	860
10/3/2018	3	29	1,421	19	61	57	60	896
10/4/2018	4	30	1,485	20	68	66	65	885
10/5/2018	5	28	1,336	19	58	42	61	896
10/6/2018	6	26	1,290	19	57	51	59	848

10/7/2018	7	26	1,335 19	63	63	62	831
10/8/2018	1	28	1,442 19	49	48	58	843
10/9/2018	2	30	1,533 20	71	67	65	872
10/10/2018	3	32	1,624 19	76	66	70	933
10/11/2018	4	30	1,442 19	54	53	64	942
10/12/2018	5	28	1,351 11	54	47	59	874
10/13/2018	6	27	1,292 19	48	39	52	843
10/14/2018	7	26	1,336 19	53	36	52	855
10/15/2018	1	30	1,515 19	53	52	55	862
10/16/2018	2	29	1,433 19	50	32	52	891
10/17/2018	3	30	1,476 19	47	40	51	912
10/18/2018	4	30	1,499 19	40	15	44	938
10/19/2018	5	29	1,383 09	27	25	38	970
10/20/2018	6	26	1,275 19	56	36	52	866
10/21/2018	7	27	1,428 19	37	19	45	846
10/22/2018	1	30	1,504 19	44	29	45	935
10/23/2018	2	30	1,511 19	39	38	45	943
10/24/2018	3	31	1,518 19	42	34	46	942
10/25/2018	4	31	1,552 19	37	24	43	990
10/26/2018	5	31	1,465 19	37	20	41	1,015
10/27/2018	6	30	1,450 19	38	37	43	963
10/28/2018	7	28	1,432 19	45	44	48	927
10/29/2018	1	30	1,480 19	44	43	50	876
10/30/2018	2	30	1,491 19	42	30	47	916
10/31/2018	3	30	1,413 08	23	21	38	967
11/1/2018	4	30	1,458 19	47	46	0	906
11/2/2018	5	29	1,395 19	51	51	0	889
11/3/2018	6	27	1,332 19	46	34	0	857
11/4/2018	7	27	1,421 18	42	29	0	870
11/5/2018	1	31	1,536 18	40	37	0	918
11/6/2018	2	30	1,493 18	48	47	0	922
11/7/2018	3	29	1,456 18	53	33	0	892
11/8/2018	4	29	1,477 18	45	30	0	906
11/9/2018	5	30	1,471 18	43	34	0	947
11/10/2018	6	28	1,439 18	36	14	0	908
11/11/2018	7	29	1,487 18	34	8	0	957
11/12/2018	1	31	1,571 18	37	23	0	1,012
11/13/2018	2	31	1,576 18	39	36	0	959
11/14/2018	3	33	1,694 18	24	5	0	1,034
11/15/2018	4	34	1,662 18	27	4	0	1,143
11/16/2018	5	33	1,572 18	33	26	0	1,083
11/17/2018	6	30	1,455 18	40	30	0	1,016
11/18/2018	7	30	1,557 18	32	21	0	970
11/19/2018	1	32	1,594 18	33	32	0	994
11/20/2018	2	33	1,632 18	32	30	0	1,013
11/21/2018	3	34	1,647 18	32	25	0	1,065
11/22/2018	4	33	1,631 11	10	-4	0	1,145

11/23/2018	5	33	1,607	18	23	2	0	1,184
11/24/2018	6	31	1,465	18	37	28	0	1,068
11/25/2018	7	29	1,507	18	36	36	0	938
11/26/2018	1	32	1,608	18	37	36	0	958
11/27/2018	2	32	1,611	18	36	32	0	994
11/28/2018	3	32	1,617	18	36	29	0	1,027
11/29/2018	4	33	1,629	18	36	27	0	1,027
11/30/2018	5	32	1,549	18	33	27	0	1,048
12/1/2018	6	30	1,475	18	32	26	0	1,025
12/2/2018	7	30	1,536	18	37	36	0	978
12/3/2018	1	31	1,581	18	45	34	0	946
12/4/2018	2	34	1,731	18	24	11	0	1,030
12/5/2018	3	35	1,714	18	29	16	0	1,159
12/6/2018	4	34	1,692	18	31	20	0	1,121
12/7/2018	5	34	1,685	18	26	10	0	1,090
12/8/2018	6	34	1,671	18	20	0	0	1,169
12/9/2018	7	33	1,680	18	27	18	0	1,170
12/10/2018	1	35	1,749	18	26	11	0	1,114
12/11/2018	2	36	1,758	18	24	14	0	1,186
12/12/2018	3	35	1,764	18	23	6	0	1,159
12/13/2018	4	37	1,778	18	21	12	0	1,224
12/14/2018	5	33	1,602	18	36	26	0	1,126
12/15/2018	6	30	1,479	18	39	28	0	998
12/16/2018	7	31	1,577	18	36	29	0	987
12/17/2018	1	33	1,676	18	35	32	0	998
12/18/2018	2	36	1,801	18	22	10	0	1,104
12/19/2018	3	35	1,715	18	29	14	0	1,181
12/20/2018	4	33	1,624	18	33	23	0	1,109
12/21/2018	5	32	1,544	18	61	61	0	1,018
12/22/2018	6	29	1,479	18	37	26	0	893
12/23/2018	7	31	1,560	18	29	12	0	994
12/24/2018	1	31	1,491	18	32	29	0	1,055
12/25/2018	2	30	1,433	18	26	3	0	1,016
12/26/2018	3	34	1,699	18	31	13	0	1,088
12/27/2018	4	34	1,685	18	25	6	0	1,086
12/28/2018	5	33	1,611	18	33	32	0	1,068
12/29/2018	6	30	1,495	18	37	29	0	975
12/30/2018	7	31	1,592	18	27	9	0	1,052
12/31/2018	1	31	1,532	18	38	30	0	1,024
1/1/2019	2	29	1,532	18	36	26	0	955
1/2/2019	3	34	1,713	18	27	3	0	1,044
1/3/2019	4	33	1,631	18	35	29	0	1,102
1/4/2019	5	32	1,542	18	38	26	0	1,028
1/5/2019	6	30	1,488	18	35	34	0	990
1/6/2019	7	30	1,594	18	30	14	0	963
1/7/2019	1	35	1,747	18	21	-2	0	1,118
1/8/2019	2	34	1,677	18	28	27	0	1,122



1/9/2019	3	33	1,630	18	36	30	0	1,032
1/10/2019	4	34	1,686	18	24	16	0	1,031
1/11/2019	5	36	1,740	18	15	2	0	1,168
1/12/2019	6	35	1,688	18	17	2	0	1,240
1/13/2019	7	34	1,670	18	20	8	0	1,181
1/14/2019	1	36	1,734	18	25	12	0	1,186
1/15/2019	2	35	1,697	18	27	19	0	1,175
1/16/2019	3	34	1,652	18	34	22	0	1,130
1/17/2019	4	35	1,725	19	15	5	0	1,155
1/18/2019	5	34	1,622	18	28	21	0	1,149
1/19/2019	6	32	1,609	18	25	11	0	1,070
1/20/2019	7	34	1,687	18	20	18	0	1,096
1/21/2019	1	39	1,944	18	0	-10	0	1,220
1/22/2019	2	38	1,794	18	19	-8	0	1,301
1/23/2019	3	35	1,668	18	37	29	0	1,161
1/24/2019	4	32	1,575	18	49	49	0	1,043
1/25/2019	5	32	1,583	19	30	13	0	1,030
1/26/2019	6	32	1,567	18	26	8	0	1,110
1/27/2019	7	32	1,569	18	38	29	0	1,121
1/28/2019	1	34	1,704	19	19	0	0	1,052
1/29/2019	2	36	1,772	18	19	13	0	1,181
1/30/2019	3	35	1,713	19	25	4	0	1,160
1/31/2019	4	38	1,830	19	9	-12	0	1,281
2/1/2019	5	38	1,761	19	14	-4	0	1,304
2/2/2019	6	35	1,637	18	30	10	0	1,211
2/3/2019	7	32	1,600	18	32	23	0	1,092
2/4/2019	1	31	1,528	19	42	37	0	1,026
2/5/2019	2	31	1,503	19	50	36	0	999
2/6/2019	3	32	1,586	19	31	21	0	1,004
2/7/2019	4	32	1,577	18	34	34	0	1,030
2/8/2019	5	32	1,524	19	37	15	0	1,015
2/9/2019	6	32	1,556	19	25	-3	0	1,092
2/10/2019	7	32	1,594	19	27	6	0	1,114
2/11/2019	1	34	1,680	19	26	0	0	1,088
2/12/2019	2	36	1,770	18	18	14	0	1,176
2/13/2019	3	33	1,612	19	32	25	0	1,124
2/14/2019	4	33	1,589	19	30	15	0	1,084
2/15/2019	5	33	1,544	18	33	33	0	1,079
2/16/2019	6	30	1,483	19	32	17	0	1,014
2/17/2019	7	31	1,548	19	27	5	0	1,058
2/18/2019	1	34	1,679	19	25	20	0	1,043
2/19/2019	2	35	1,708	19	21	0	0	1,157
2/20/2019	3	35	1,686	19	26	9	0	1,186
2/21/2019	4	33	1,594	19	40	27	0	1,130
2/22/2019	5	31	1,512	19	35	20	0	1,037
2/23/2019	6	30	1,440	19	32	18	0	1,047
2/24/2019	7	30	1,465	19	35	34	0	998

2/25/2019	1	32	1,623	19	28	12	0	1,004
2/26/2019	2	35	1,713	19	16	-5	0	1,147
2/27/2019	3	36	1,709	19	15	3	0	1,232
2/28/2019	4	34	1,632	19	23	-1	0	1,191
3/1/2019	5	33	1,560	09	9	4	0	1,181
3/2/2019	6	31	1,475	19	31	12	0	1,068
3/3/2019	7	29	1,470	19	36	18	0	1,024
3/4/2019	1	32	1,601	19	31	20	0	1,001
3/5/2019	2	33	1,619	19	23	3	0	1,106
3/6/2019	3	35	1,694	19	18	-5	0	1,138
3/7/2019	4	35	1,681	19	21	4	0	1,234
3/8/2019	5	34	1,584	08	0	-4	0	1,186
3/9/2019	6	30	1,431	19	37	9	0	1,105
3/10/2019	7	31	1,498	19	34	32	0	1,041
3/11/2019	1	31	1,515	20	38	24	0	1,005
3/12/2019	2	31	1,509	20	36	15	0	1,037
3/13/2019	3	32	1,496	20	37	20	0	1,061
3/14/2019	4	31	1,454	20	42	30	0	1,006
3/15/2019	5	29	1,401	11	42	42	0	966
3/16/2019	6	27	1,338	20	36	19	0	900
3/17/2019	7	29	1,413	20	32	9	0	974
3/18/2019	1	31	1,501	20	34	9	0	1,026
3/19/2019	2	31	1,483	20	36	4	0	1,046
3/20/2019	3	31	1,491	08	16	13	0	1,052
3/21/2019	4	30	1,434	20	44	26	0	990
3/22/2019	5	31	1,455	11	36	35	0	962
3/23/2019	6	28	1,349	20	37	21	0	977
3/24/2019	7	27	1,329	20	50	15	0	976
3/25/2019	1	29	1,432	20	39	3	0	919
3/26/2019	2	31	1,460	20	35	3	0	1,016
3/27/2019	3	30	1,466	08	16	10	0	1,037
3/28/2019	4	30	1,420	08	26	19	0	1,000
3/29/2019	5	29	1,393	11	42	35	0	927
3/30/2019	6	27	1,295	11	41	39	0	904
3/31/2019	7	26	1,300	20	42	38	0	854
4/1/2019	1	29	1,444	20	36	7	41	914
4/2/2019	2	30	1,424	08	19	15	35	1,012
4/3/2019	3	29	1,369	09	36	34	40	942
4/4/2019	4	29	1,407	20	41	4	40	955
4/5/2019	5	29	1,380	08	27	8	33	996
4/6/2019	6	26	1,244	10	39	36	40	939
4/7/2019	7	26	1,257	20	59	36	53	876
4/8/2019	1	30	1,467	19	34	31	47	850
4/9/2019	2	31	1,472	18	35	33	44	964
4/10/2019	3	30	1,446	20	36	21	40	981
4/11/2019	4	29	1,386	08	31	19	37	1,004
4/12/2019	5	29	1,385	11	38	25	41	945

4/13/2019	6	26	1,227	11	48	47	48	882
4/14/2019	7	25	1,255	20	58	30	56	817
4/15/2019	1	28	1,367	20	45	38	52	841
4/16/2019	2	29	1,347	21	46	25	47	917
4/17/2019	3	28	1,319	08	29	26	40	922
4/18/2019	4	29	1,391	19	47	39	50	898
4/19/2019	5	28	1,297	12	66	55	57	896
4/20/2019	6	26	1,277	12	67	62	64	842
4/21/2019	7	24	1,151	12	61	55	64	803
4/22/2019	1	27	1,323	19	59	55	63	812
4/23/2019	2	27	1,295	11	52	45	57	862
4/24/2019	3	27	1,280	20	52	37	55	860
4/25/2019	4	27	1,248	21	53	38	52	865
4/26/2019	5	28	1,350	12	46	44	52	858
4/27/2019	6	26	1,230	11	45	40	50	882
4/28/2019	7	25	1,234	19	50	34	49	861
4/29/2019	1	28	1,316	20	52	17	47	883
4/30/2019	2	29	1,348	11	43	39	47	884
5/1/2019	3	29	1,342	20	51	29	49	911
5/2/2019	4	29	1,365	12	45	41	49	886
5/3/2019	5	28	1,343	12	45	42	50	898
5/4/2019	6	25	1,184	11	51	48	53	856
5/5/2019	7	25	1,222	20	57	48	59	796
5/6/2019	1	27	1,287	21	58	34	55	828
5/7/2019	2	28	1,343	19	57	54	59	852
5/8/2019	3	27	1,288	21	54	18	52	851
5/9/2019	4	27	1,285	20	55	36	53	863
5/10/2019	5	28	1,333	12	49	39	51	853
5/11/2019	6	24	1,147	21	55	29	52	832
5/12/2019	7	25	1,201	20	50	29	51	797
5/13/2019	1	28	1,354	19	47	36	50	834
5/14/2019	2	29	1,360	19	46	38	49	886
5/15/2019	3	28	1,303	21	54	36	51	886
5/16/2019	4	27	1,279	21	59	39	54	867
5/17/2019	5	28	1,342	11	49	47	54	853
5/18/2019	6	25	1,161	21	64	40	60	834
5/19/2019	7	25	1,269	21	73	58	65	792
5/20/2019	1	30	1,494	19	74	61	69	864
5/21/2019	2	28	1,304	21	58	34	60	894
5/22/2019	3	28	1,305	21	63	32	57	858
5/23/2019	4	28	1,341	18	65	56	62	852
5/24/2019	5	28	1,318	11	63	50	60	870
5/25/2019	6	25	1,194	19	72	43	63	818
5/26/2019	7	26	1,299	18	84	52	69	798
5/27/2019	1	26	1,305	19	74	44	67	831
5/28/2019	2	28	1,380	18	45	42	57	823
5/29/2019	3	28	1,324	12	50	43	54	866

5/30/2019	4	28	1,316	21	64	56	60	863
5/31/2019	5	28	1,315	14	70	48	62	873
6/1/2019	6	25	1,210	18	72	49	66	830
6/2/2019	7	25	1,297	18	66	57	65	809
6/3/2019	1	28	1,309	19	59	35	59	837
6/4/2019	2	28	1,304	18	65	35	58	849
6/5/2019	3	29	1,402	18	73	60	64	856
6/6/2019	4	30	1,449	18	78	49	68	888
6/7/2019	5	29	1,457	18	80	45	69	876
6/8/2019	6	27	1,329	19	80	33	66	865
6/9/2019	7	27	1,398	19	79	43	67	826
6/10/2019	1	31	1,534	18	78	49	68	872
6/11/2019	2	31	1,489	11	68	66	67	973
6/12/2019	3	30	1,465	18	76	45	67	878
6/13/2019	4	29	1,359	12	56	50	60	888
6/14/2019	5	28	1,341	14	68	51	62	862
6/15/2019	6	27	1,295	19	77	48	65	835
6/16/2019	7	27	1,302	19	66	64	67	877
6/17/2019	1	31	1,545	18	79	50	69	893
6/18/2019	2	30	1,443	14	71	53	67	936
6/19/2019	3	32	1,577	17	76	63	70	933
6/20/2019	4	31	1,494	12	65	63	67	978
6/21/2019	5	30	1,448	14	68	58	67	931
6/22/2019	6	27	1,324	18	79	48	68	874
6/23/2019	7	28	1,474	19	83	47	69	853
6/24/2019	1	32	1,647	18	84	47	71	912
6/25/2019	2	31	1,481	18	66	64	69	937
6/26/2019	3	33	1,720	18	81	61	72	968
6/27/2019	4	34	1,768	18	86	56	74	1,000
6/28/2019	5	36	1,853	18	88	54	75	1,015
6/29/2019	6	33	1,617	19	82	63	75	1,076
6/30/2019	7	29	1,413	18	67	60	70	964
7/1/2019	1	33	1,737	19	83	56	72	919
7/2/2019	2	36	1,898	18	84	60	74	1,022
7/3/2019	3	38	1,949	18	84	59	75	1,073
7/4/2019	4	35	1,789	18	86	59	75	1,065
7/5/2019	5	38	2,019	18	88	62	77	1,046
7/6/2019	6	38	1,993	15	89	73	80	1,149
7/7/2019	7	32	1,637	18	77	52	73	1,055
7/8/2019	1	33	1,761	18	79	50	70	944
7/9/2019	2	36	1,878	18	83	52	71	994
7/10/2019	3	37	1,962	18	83	60	73	1,049
7/11/2019	4	37	1,898	14	80	67	75	1,091
7/12/2019	5	37	1,888	17	80	68	75	1,114
7/13/2019	6	35	1,810	18	82	62	74	1,069
7/14/2019	7	35	1,832	18	81	60	74	1,072
7/15/2019	1	36	1,836	18	79	56	72	1,056

7/16/2019	2	37	1,870	19	78	64	72	1,032
7/17/2019	3	39	1,981	15	82	71	76	1,183
7/18/2019	4	36	1,728	16	77	56	73	1,189
7/19/2019	5	40	2,183	18	92	69	77	1,079
7/20/2019	6	45	2,248	18	94	69	81	1,354
7/21/2019	7	44	2,188	18	89	67	81	1,400
7/22/2019	1	37	1,832	12	76	64	76	1,196
7/23/2019	2	32	1,518	18	73	56	69	1,034
7/24/2019	3	34	1,713	18	80	50	69	991
7/25/2019	4	34	1,730	18	82	54	71	986
7/26/2019	5	36	1,856	18	85	57	73	1,021
7/27/2019	6	34	1,781	18	85	59	75	1,039
7/28/2019	7	36	1,981	18	89	62	77	1,025
7/29/2019	1	42	2,193	18	89	63	78	1,202
7/30/2019	2	44	2,299	17	93	64	80	1,227
7/31/2019	3	41	2,134	15	83	65	78	1,278
8/1/2019	4	38	1,924	17	84	53	75	1,157
8/2/2019	5	35	1,792	18	84	48	72	1,026
8/3/2019	6	32	1,665	18	75	67	72	998
8/4/2019	7	32	1,642	18	81	45	70	1,019
8/5/2019	1	33	1,710	18	81	50	70	936
8/6/2019	2	35	1,776	17	82	62	73	985
8/7/2019	3	37	1,898	15	81	67	74	1,092
8/8/2019	4	38	1,948	18	85	60	74	1,120
8/9/2019	5	35	1,753	17	82	54	73	1,078
8/10/2019	6	29	1,384	13	75	54	70	972
8/11/2019	7	28	1,419	18	77	52	68	868
8/12/2019	1	34	1,774	18	84	56	71	941
8/13/2019	2	36	1,830	18	80	66	74	1,096
8/14/2019	3	35	1,721	18	79	55	72	1,086
8/15/2019	4	34	1,682	16	79	61	72	1,005
8/16/2019	5	34	1,720	17	80	61	73	1,049
8/17/2019	6	32	1,572	18	76	68	73	1,039
8/18/2019	7	34	1,844	18	87	63	76	1,003
8/19/2019	1	40	2,157	15	88	68	78	1,157
8/20/2019	2	38	1,954	18	85	54	76	1,155
8/21/2019	3	35	1,703	14	72	67	72	1,061
8/22/2019	4	38	1,988	17	86	62	75	1,087
8/23/2019	5	33	1,595	15	76	53	72	1,095
8/24/2019	6	28	1,336	18	71	54	68	908
8/25/2019	7	27	1,326	18	70	45	65	877
8/26/2019	1	29	1,473	18	74	48	66	863
8/27/2019	2	30	1,493	18	76	49	67	899
8/28/2019	3	32	1,614	15	83	57	71	945
8/29/2019	4	34	1,709	18	82	55	71	1,000
8/30/2019	5	33	1,654	18	81	59	73	970
8/31/2019	6	28	1,345	18	73	49	69	936

9/1/2019	7	26	1,261	18	71	54	67	852
9/2/2019	1	28	1,398	18	64	63	66	865
9/3/2019	2	31	1,549	18	78	55	69	892
9/4/2019	3	32	1,616	18	74	69	71	947
9/5/2019	4	30	1,418	20	64	56	67	946
9/6/2019	5	28	1,343	14	68	49	65	885
9/7/2019	6	26	1,260	20	66	49	62	861
9/8/2019	7	26	1,310	20	63	47	61	828
9/9/2019	1	28	1,410	20	65	50	62	838
9/10/2019	2	29	1,431	20	67	58	64	879
9/11/2019	3	33	1,678	18	84	64	72	935
9/12/2019	4	30	1,407	11	60	55	63	990
9/13/2019	5	27	1,288	20	57	40	59	866
9/14/2019	6	26	1,265	19	64	60	63	826
9/15/2019	7	26	1,363	20	70	51	64	835
9/16/2019	1	28	1,396	20	64	44	62	862
9/17/2019	2	28	1,390	20	62	51	61	857
9/18/2019	3	28	1,359	20	55	40	57	858
9/19/2019	4	28	1,359	20	58	47	57	863
9/20/2019	5	28	1,362	20	71	51	62	849
9/21/2019	6	27	1,393	18	83	58	71	844
9/22/2019	7	28	1,517	20	76	61	70	852
9/23/2019	1	35	1,762	19	80	63	74	978
9/24/2019	2	32	1,502	14	75	52	71	1,023
9/25/2019	3	29	1,408	20	60	51	62	891
9/26/2019	4	29	1,429	14	74	56	67	870
9/27/2019	5	28	1,322	20	61	49	60	865
9/28/2019	6	27	1,341	20	73	59	66	830
9/29/2019	7	26	1,289	20	55	38	59	876
9/30/2019	1	27	1,367	19	58	43	58	821
10/1/2019	2	29	1,424	20	65	61	62	855
10/2/2019	3	30	1,420	12	67	61	63	919
10/3/2019	4	28	1,373	19	48	41	55	860
10/4/2019	5	28	1,323	20	47	30	50	865
10/5/2019	6	25	1,228	20	45	31	48	867
10/6/2019	7	26	1,340	19	60	52	56	847
10/7/2019	1	29	1,455	19	57	55	59	859
10/8/2019	2	28	1,388	19	59	44	59	872
10/9/2019	3	28	1,404	19	54	41	56	865
10/10/2019	4	28	1,396	19	54	40	55	872
10/11/2019	5	28	1,332	19	57	38	55	876
10/12/2019	6	26	1,255	19	57	49	57	840
10/13/2019	7	25	1,275	19	57	44	57	819
10/14/2019	1	28	1,403	19	63	51	60	831
10/15/2019	2	27	1,377	19	56	29	55	842
10/16/2019	3	28	1,421	19	53	43	54	873
10/17/2019	4	28	1,404	19	46	39	51	841

10/18/2019	5	28	1,341 19	49	34	50	874
10/19/2019	6	25	1,235 19	53	32	51	861
10/20/2019	7	26	1,331 19	54	42	53	846
10/21/2019	1	28	1,407 19	57	48	56	828
10/22/2019	2	28	1,429 19	54	46	56	870
10/23/2019	3	28	1,391 19	58	37	56	870
10/24/2019	4	28	1,383 19	61	35	56	876
10/25/2019	5	28	1,333 19	52	42	54	852
10/26/2019	6	25	1,241 19	49	33	51	837
10/27/2019	7	27	1,370 19	45	43	50	839
10/28/2019	1	28	1,430 19	50	44	52	841
10/29/2019	2	28	1,425 19	50	49	54	862
10/30/2019	3	28	1,400 19	59	54	58	865
10/31/2019	4	29	1,398 18	67	65	64	863
11/1/2019	5	27	1,322 19	46	23	0	886
11/2/2019	6	26	1,276 19	44	32	0	870
11/3/2019	7	26	1,395 18	46	22	0	869
11/4/2019	1	29	1,469 18	47	28	0	897
11/5/2019	2	29	1,467 18	50	46	0	895
11/6/2019	3	29	1,469 18	43	17	0	898
11/7/2019	4	30	1,507 18	41	40	0	946
11/8/2019	5	31	1,575 18	28	13	0	970
11/9/2019	6	30	1,458 18	32	5	0	1,045
11/10/2019	7	28	1,411 18	46	23	0	976
11/11/2019	1	30	1,542 18	40	33	0	898
11/12/2019	2	32	1,665 18	26	16	0	957
11/13/2019	3	35	1,722 18	22	5	0	1,172
11/14/2019	4	35	1,660 18	29	16	0	1,164
11/15/2019	5	31	1,500 18	43	25	0	1,088
11/16/2019	6	31	1,549 18	25	-4	0	1,058
11/17/2019	7	31	1,559 18	34	22	0	1,111
11/18/2019	1	32	1,589 18	40	32	0	1,030
11/19/2019	2	31	1,542 18	37	36	0	966
11/20/2019	3	31	1,568 18	36	33	0	986
11/21/2019	4	31	1,516 18	37	28	0	1,007
11/22/2019	5	31	1,512 18	41	29	0	982
11/23/2019	6	30	1,448 18	36	15	0	1,040
11/24/2019	7	30	1,529 18	36	33	0	970
11/25/2019	1	30	1,527 18	38	30	0	969
11/26/2019	2	30	1,490 18	49	36	0	980
11/27/2019	3	31	1,504 18	46	40	0	968
11/28/2019	4	28	1,416 12	40	33	0	883
11/29/2019	5	30	1,523 18	30	19	0	987
11/30/2019	6	32	1,579 18	24	5	0	1,079
12/1/2019	7	33	1,648 18	29	16	0	1,116
12/2/2019	1	34	1,733 18	31	14	0	1,087
12/3/2019	2	34	1,721 18	31	16	0	1,098

12/4/2019	3	34	1,644	18	34	25	0	1,133
12/5/2019	4	33	1,641	18	35	19	0	1,075
12/6/2019	5	35	1,690	18	28	25	0	1,127
12/7/2019	6	33	1,628	18	23	12	0	1,128
12/8/2019	7	33	1,655	18	30	9	0	1,151
12/9/2019	1	33	1,637	18	35	35	0	1,040
12/10/2019	2	31	1,565	18	52	46	0	972
12/11/2019	3	34	1,704	18	29	13	0	1,020
12/12/2019	4	35	1,740	18	24	10	0	1,161
12/13/2019	5	34	1,624	18	31	23	0	1,162
12/14/2019	6	30	1,457	18	44	43	0	1,006
12/15/2019	7	30	1,570	18	37	19	0	935
12/16/2019	1	35	1,763	18	26	7	0	1,076
12/17/2019	2	36	1,810	18	26	24	0	1,152
12/18/2019	3	34	1,703	19	27	16	0	1,118
12/19/2019	4	38	1,858	18	14	-3	0	1,227
12/20/2019	5	37	1,765	18	19	7	0	1,281
12/21/2019	6	34	1,630	18	26	14	0	1,216
12/22/2019	7	32	1,582	18	32	22	0	1,135
12/23/2019	1	32	1,570	18	37	29	0	1,057
12/24/2019	2	31	1,479	18	36	16	0	1,001
12/25/2019	3	29	1,371	18	29	20	0	1,026
12/26/2019	4	32	1,628	18	31	21	0	1,005
12/27/2019	5	32	1,571	18	36	36	0	1,036
12/28/2019	6	29	1,472	18	39	23	0	976
12/29/2019	7	30	1,533	18	36	20	0	1,000
12/30/2019	1	33	1,712	18	26	23	0	1,007
12/31/2019	2	32	1,568	18	33	31	0	1,060
1/1/2020	3	30	1,560	18	33	23	0	1,001
1/2/2020	4	32	1,608	18	36	27	0	1,023
1/3/2020	5	32	1,542	18	37	32	0	1,012
1/4/2020	6	30	1,494	18	36	34	0	968
1/5/2020	7	30	1,619	18	29	16	0	967
1/6/2020	1	35	1,709	18	28	23	0	1,110
1/7/2020	2	34	1,651	18	31	20	0	1,133
1/8/2020	3	34	1,659	18	33	23	0	1,080
1/9/2020	4	36	1,748	18	21	4	0	1,176
1/10/2020	5	33	1,564	09	24	14	0	1,113
1/11/2020	6	28	1,385	18	56	47	0	973
1/12/2020	7	27	1,432	18	46	29	0	861
1/13/2020	1	33	1,651	18	28	26	0	991
1/14/2020	2	32	1,580	18	35	29	0	1,044
1/15/2020	3	31	1,546	18	41	26	0	1,006
1/16/2020	4	33	1,639	18	31	18	0	1,010
1/17/2020	5	37	1,769	18	13	-7	0	1,188
1/18/2020	6	35	1,710	18	18	5	0	1,259
1/19/2020	7	32	1,582	18	32	19	0	1,122



1/20/2020	1	36	1,767	18	20	-3	0	1,144
1/21/2020	2	36	1,749	19	17	-1	0	1,220
1/22/2020	3	35	1,678	19	24	15	0	1,238
1/23/2020	4	34	1,614	18	31	18	0	1,159
1/24/2020	5	32	1,516	18	39	29	0	1,084
1/25/2020	6	30	1,473	18	37	35	0	996
1/26/2020	7	28	1,467	18	39	26	0	938
1/27/2020	1	31	1,550	18	39	27	0	964
1/28/2020	2	32	1,605	18	32	20	0	1,005
1/29/2020	3	33	1,630	19	28	6	0	1,070
1/30/2020	4	34	1,643	19	25	5	0	1,153
1/31/2020	5	33	1,546	08	11	7	0	1,135
2/1/2020	6	30	1,452	18	37	28	0	1,009
2/2/2020	7	29	1,532	18	32	19	0	965
2/3/2020	1	31	1,546	19	40	27	0	997
2/4/2020	2	31	1,535	19	34	27	0	1,011
2/5/2020	3	31	1,569	19	29	7	0	988
2/6/2020	4	33	1,608	18	29	27	0	1,049
2/7/2020	5	33	1,541	18	32	30	0	1,056
2/8/2020	6	32	1,571	19	20	8	0	1,091
2/9/2020	7	32	1,589	18	26	18	0	1,131
2/10/2020	1	32	1,575	19	36	33	0	1,044
2/11/2020	2	32	1,567	19	32	31	0	1,039
2/12/2020	3	31	1,550	19	37	18	0	1,030
2/13/2020	4	32	1,564	19	33	32	0	1,025
2/14/2020	5	34	1,666	19	11	-6	0	1,050
2/15/2020	6	33	1,574	19	21	3	0	1,218
2/16/2020	7	31	1,514	19	37	22	0	1,087
2/17/2020	1	32	1,590	19	31	12	0	1,025
2/18/2020	2	34	1,670	19	32	30	0	1,086
2/19/2020	3	32	1,610	19	30	4	0	1,056
2/20/2020	4	34	1,659	19	23	3	0	1,123
2/21/2020	5	34	1,604	08	-1	-5	0	1,180
2/22/2020	6	30	1,428	19	37	17	0	1,111
2/23/2020	7	28	1,390	19	38	23	0	1,018
2/24/2020	1	30	1,457	19	46	23	0	996
2/25/2020	2	30	1,462	19	42	29	0	974
2/26/2020	3	30	1,465	19	42	32	0	968
2/27/2020	4	31	1,535	19	31	16	0	972
2/28/2020	5	32	1,513	19	30	6	0	1,068
2/29/2020	6	30	1,478	19	24	9	0	1,059
3/1/2020	7	30	1,609	23	17	10	0	1,034
3/2/2020	1	32	1,609	22	37	27	0	1,075
3/3/2020	2	29	1,434	19	56	40	0	965
3/4/2020	3	29	1,489	19	41	21	0	914
3/5/2020	4	30	1,459	19	43	17	0	978
3/6/2020	5	30	1,458	19	36	27	0	1,000

3/7/2020	6	29	1,399	19	36	4	0	989
3/8/2020	7	28	1,349	20	47	17	0	999
3/9/2020	1	29	1,374	20	65	21	0	944
3/10/2020	2	28	1,394	20	57	45	0	887
3/11/2020	3	29	1,415	20	39	13	0	893
3/12/2020	4	30	1,439	20	40	29	0	964
3/13/2020	5	30	1,439	12	41	39	0	951
3/14/2020	6	27	1,314	20	45	18	0	943
3/15/2020	7	27	1,360	20	35	6	0	909
3/16/2020	1	31	1,471	20	30	12	0	1,001
3/17/2020	2	31	1,510	13	34	30	0	1,014
3/18/2020	3	29	1,387	20	49	14	0	993
3/19/2020	4	30	1,444	12	35	32	0	933
3/20/2020	5	29	1,393	12	42	40	0	944
3/21/2020	6	26	1,309	20	37	2	0	868
3/22/2020	7	27	1,340	20	37	-7	0	958
3/23/2020	1	31	1,521	18	32	28	0	983
3/24/2020	2	29	1,387	20	40	27	0	977
3/25/2020	3	30	1,392	20	40	26	0	975
3/26/2020	4	28	1,326	09	31	27	0	964
3/27/2020	5	27	1,265	20	52	17	0	904
3/28/2020	6	26	1,236	20	50	25	0	890
3/29/2020	7	27	1,370	18	37	32	0	837
3/30/2020	1	29	1,425	18	39	34	0	910
3/31/2020	2	28	1,331	20	43	27	0	955
4/1/2020	3	29	1,359	20	45	26	45	995
4/2/2020	4	29	1,418	18	40	35	46	939
4/3/2020	5	29	1,373	13	47	43	49	947
4/4/2020	6	25	1,223	20	50	37	50	888
4/5/2020	7	25	1,262	18	54	39	53	850
4/6/2020	1	27	1,271	20	55	14	49	857
4/7/2020	2	27	1,263	20	57	18	49	883
4/8/2020	3	27	1,287	10	42	28	45	873
4/9/2020	4	29	1,413	13	44	41	49	885
4/10/2020	5	28	1,309	19	38	31	45	925
4/11/2020	6	26	1,224	20	45	15	43	899
4/12/2020	7	25	1,156	18	57	25	48	884
4/13/2020	1	28	1,384	13	57	54	55	824
4/14/2020	2	26	1,253	20	51	16	51	861
4/15/2020	3	27	1,269	20	44	8	44	866
4/16/2020	4	28	1,295	20	39	15	40	913
4/17/2020	5	27	1,274	12	41	12	40	941
4/18/2020	6	27	1,262	18	43	29	44	875
4/19/2020	7	25	1,165	20	60	30	50	907
4/20/2020	1	26	1,245	12	45	11	43	828
4/21/2020	2	28	1,398	18	47	43	50	904
4/22/2020	3	29	1,346	12	34	12	41	949

4/23/2020	4	28	1,300 09	35	4	35	973
4/24/2020	5	27	1,298 11	49	19	41	899
4/25/2020	6	25	1,158 20	57	27	49	898
4/26/2020	7	26	1,293 18	48	20	48	844
4/27/2020	1	30	1,451 13	39	34	47	910
4/28/2020	2	27	1,270 10	43	29	45	908
4/29/2020	3	26	1,259 19	52	27	49	888
4/30/2020	4	28	1,372 13	43	38	49	856
5/1/2020	5	27	1,305 12	54	51	54	873
5/2/2020	6	23	1,107 20	64	31	56	819
5/3/2020	7	23	1,139 21	71	32	59	769
5/4/2020	1	26	1,237 19	55	33	56	796
5/5/2020	2	26	1,216 19	52	27	52	831
5/6/2020	3	26	1,236 19	56	27	51	868
5/7/2020	4	26	1,207 19	62	15	51	841
5/8/2020	5	26	1,198 19	55	19	49	835
5/9/2020	6	26	1,219 19	40	14	43	832
5/10/2020	7	25	1,137 21	50	31	46	878
5/11/2020	1	27	1,289 18	51	47	51	836
5/12/2020	2	27	1,248 19	51	14	48	864
5/13/2020	3	27	1,229 19	57	15	48	892
5/14/2020	4	26	1,203 19	71	12	51	873
5/15/2020	5	26	1,271 19	71	54	61	822
5/16/2020	6	24	1,132 19	66	42	62	814
5/17/2020	7	24	1,156 19	69	46	63	780
5/18/2020	1	26	1,270 12	61	38	58	798
5/19/2020	2	26	1,234 19	62	33	58	830
5/20/2020	3	26	1,250 19	69	31	58	833
5/21/2020	4	27	1,314 19	81	28	61	833
5/22/2020	5	28	1,403 19	86	39	67	841
5/23/2020	6	25	1,152 19	60	33	60	859
5/24/2020	7	23	1,121 19	61	29	56	771
5/25/2020	1	24	1,183 19	67	55	61	772
5/26/2020	2	29	1,560 19	85	61	70	802
5/27/2020	3	34	1,837 18	91	58	76	947
5/28/2020	4	35	1,720 17	81	64	76	1,045
5/29/2020	5	37	1,878 16	86	67	77	1,090
5/30/2020	6	32	1,529 18	78	46	71	1,108
5/31/2020	7	26	1,241 19	59	31	60	907
6/1/2020	1	26	1,280 18	61	27	55	809
6/2/2020	2	27	1,311 18	67	45	59	839
6/3/2020	3	29	1,431 18	76	59	66	858
6/4/2020	4	32	1,671 19	87	51	71	898
6/5/2020	5	34	1,775 18	85	64	75	1,030
6/6/2020	6	33	1,724 14	81	63	74	1,053
6/7/2020	7	27	1,281 19	67	43	66	923
6/8/2020	1	29	1,471 18	76	41	65	874

6/9/2020	2	30	1,447	18	72	53	66	924
6/10/2020	3	30	1,465	18	68	52	65	944
6/11/2020	4	31	1,552	18	78	70	71	950
6/12/2020	5	32	1,585	18	81	45	70	975
6/13/2020	6	26	1,219	18	65	40	64	867
6/14/2020	7	25	1,240	19	67	47	62	809
6/15/2020	1	28	1,388	18	73	46	64	834
6/16/2020	2	29	1,520	18	79	47	67	870
6/17/2020	3	31	1,670	18	84	46	70	889
6/18/2020	4	36	1,963	18	91	54	74	952
6/19/2020	5	39	2,052	18	90	61	77	1,131
6/20/2020	6	38	1,975	18	81	69	77	1,130
6/21/2020	7	37	1,912	16	92	62	79	1,105
6/22/2020	1	38	1,964	18	83	68	77	1,151
6/23/2020	2	40	2,148	18	89	64	78	1,124
6/24/2020	3	39	1,956	18	86	61	77	1,228
6/25/2020	4	34	1,760	18	84	46	73	1,033
6/26/2020	5	34	1,720	18	80	52	71	1,016
6/27/2020	6	31	1,475	18	73	59	70	973
6/28/2020	7	32	1,638	18	82	62	73	945
6/29/2020	1	33	1,582	14	73	64	72	1,039
6/30/2020	2	32	1,568	18	72	64	70	983
7/1/2020	3	33	1,654	18	74	64	71	1,003
7/2/2020	4	37	2,047	18	92	63	76	1,005
7/3/2020	5	32	1,468	12	69	66	71	1,111
7/4/2020	6	31	1,610	18	87	52	73	933
7/5/2020	7	32	1,703	18	87	55	74	976
7/6/2020	1	35	1,784	18	81	57	73	1,037
7/7/2020	2	35	1,787	18	81	58	73	1,016
7/8/2020	3	38	2,014	16	85	69	76	1,109
7/9/2020	4	41	2,198	18	91	68	79	1,147
7/10/2020	5	41	2,090	14	86	67	78	1,285
7/11/2020	6	39	2,032	18	87	72	79	1,223
7/12/2020	7	39	2,025	18	88	65	79	1,236
7/13/2020	1	38	1,941	14	73	70	75	1,208
7/14/2020	2	35	1,712	15	79	61	72	1,114
7/15/2020	3	33	1,636	18	75	62	71	1,052
7/16/2020	4	32	1,569	15	75	59	70	1,011
7/17/2020	5	31	1,442	19	73	67	70	978
7/18/2020	6	35	1,952	18	91	62	75	976
7/19/2020	7	40	2,192	18	95	66	80	1,093
7/20/2020	1	45	2,298	18	92	60	80	1,377
7/21/2020	2	41	2,130	18	88	57	78	1,240
7/22/2020	3	36	1,769	18	75	63	74	1,190
7/23/2020	4	37	1,957	14	80	72	74	1,110
7/24/2020	5	37	1,899	18	83	59	74	1,141
7/25/2020	6	36	1,911	18	87	62	76	1,065

7/26/2020	7	37	1,983	18	87	59	76	1,077
7/27/2020	1	46	2,402	18	94	66	80	1,264
7/28/2020	2	45	2,283	17	87	68	80	1,437
7/29/2020	3	41	2,165	18	89	60	78	1,193
7/30/2020	4	41	2,091	16	85	62	77	1,263
7/31/2020	5	38	1,995	18	86	58	75	1,142
8/1/2020	6	36	1,925	18	88	57	75	1,091
8/2/2020	7	35	1,763	18	81	64	75	1,092
8/3/2020	1	42	2,120	18	86	60	76	1,271
8/4/2020	2	36	1,815	17	78	71	75	1,199
8/5/2020	3	38	2,006	18	86	59	76	1,051
8/6/2020	4	35	1,780	18	81	47	72	1,055
8/7/2020	5	33	1,680	18	81	54	72	998
8/8/2020	6	33	1,735	18	83	61	73	1,024
8/9/2020	7	36	1,967	18	90	60	76	1,025
8/10/2020	1	43	2,282	18	89	64	78	1,203
8/11/2020	2	45	2,367	18	94	65	80	1,305
8/12/2020	3	45	2,292	17	89	61	79	1,409
8/13/2020	4	40	2,025	15	87	56	77	1,215
8/14/2020	5	37	1,928	17	88	52	75	1,136
8/15/2020	6	30	1,414	18	74	60	71	1,047
8/16/2020	7	28	1,364	18	69	58	69	929
8/17/2020	1	32	1,676	18	82	55	71	952
8/18/2020	2	34	1,739	17	84	46	71	1,035
8/19/2020	3	32	1,583	16	78	49	70	983
8/20/2020	4	31	1,568	18	78	46	68	939
8/21/2020	5	33	1,804	18	89	51	72	944
8/22/2020	6	32	1,671	18	87	59	75	1,002
8/23/2020	7	32	1,693	15	81	70	76	970
8/24/2020	1	38	2,043	16	91	64	77	1,054
8/25/2020	2	37	1,973	15	88	61	77	1,152
8/26/2020	3	30	1,442	18	72	34	65	989
8/27/2020	4	29	1,396	13	62	47	62	905
8/28/2020	5	30	1,505	18	80	54	67	905
8/29/2020	6	28	1,347	20	66	62	67	919
8/30/2020	7	27	1,289	18	69	44	65	897
8/31/2020	1	29	1,438	18	74	49	65	851
9/1/2020	2	30	1,488	18	76	55	68	901
9/2/2020	3	31	1,481	18	67	66	68	934
9/3/2020	4	33	1,614	16	79	62	71	999
9/4/2020	5	32	1,579	17	80	43	69	978
9/5/2020	6	27	1,327	18	75	44	67	884
9/6/2020	7	27	1,350	18	77	49	67	857
9/7/2020	1	28	1,458	18	80	50	69	859
9/8/2020	2	34	1,818	18	85	63	74	931
9/9/2020	3	34	1,726	18	80	64	74	1,031
9/10/2020	4	35	1,750	18	78	70	75	1,038

9/11/2020	5	30	1,397	18	71	46	69	1,009
9/12/2020	6	25	1,246	20	62	47	62	851
9/13/2020	7	26	1,342	20	71	55	64	811
9/14/2020	1	29	1,388	18	67	34	62	914
9/15/2020	2	27	1,344	20	59	39	57	862
9/16/2020	3	28	1,399	20	67	49	60	857
9/17/2020	4	29	1,419	19	65	51	63	898
9/18/2020	5	28	1,295	11	55	44	58	892
9/19/2020	6	25	1,219	20	54	26	52	834
9/20/2020	7	25	1,257	20	55	29	51	820
9/21/2020	1	27	1,347	20	55	30	51	838
9/22/2020	2	28	1,367	20	60	35	54	874
9/23/2020	3	28	1,388	20	68	49	60	866
9/24/2020	4	29	1,430	20	72	55	65	879
9/25/2020	5	28	1,362	18	78	54	70	886
9/26/2020	6	26	1,303	20	71	57	66	853
9/27/2020	7	28	1,429	20	74	64	69	863
9/28/2020	1	32	1,610	19	78	63	72	961
9/29/2020	2	32	1,603	19	75	62	72	984
9/30/2020	3	31	1,446	13	68	55	68	992
10/1/2020	4	28	1,377	19	70	42	63	871
10/2/2020	5	28	1,346	12	52	49	59	861
10/3/2020	6	25	1,233	19	60	40	58	835
10/4/2020	7	25	1,271	19	58	40	56	817
10/5/2020	1	28	1,388	19	61	46	58	829
10/6/2020	2	28	1,391	19	63	49	60	862
10/7/2020	3	28	1,408	19	58	52	60	871
10/8/2020	4	28	1,375	19	51	30	54	874
10/9/2020	5	28	1,332	19	57	27	52	884
10/10/2020	6	26	1,292	19	73	56	61	856
10/11/2020	7	24	1,266	19	55	29	56	810
10/12/2020	1	28	1,403	19	50	36	53	833
10/13/2020	2	29	1,442	19	49	47	52	857
10/14/2020	3	28	1,378	19	62	38	56	876
10/15/2020	4	28	1,384	19	68	48	60	863
10/16/2020	5	28	1,367	12	57	54	59	859
10/17/2020	6	26	1,285	19	51	28	53	840
10/18/2020	7	26	1,317	19	53	36	52	863
10/19/2020	1	28	1,421	19	57	46	55	852
10/20/2020	2	28	1,432	19	64	56	61	863
10/21/2020	3	29	1,438	19	61	58	63	875
10/22/2020	4	28	1,407	19	64	51	63	885
10/23/2020	5	28	1,365	19	60	52	61	862
10/24/2020	6	26	1,276	19	53	42	57	836
10/25/2020	7	25	1,341	19	45	28	50	823
10/26/2020	1	30	1,475	19	44	42	49	866
10/27/2020	2	29	1,445	19	46	30	48	886

10/28/2020	3	30	1,473	19	44	41	49	898
10/29/2020	4	30	1,473	19	43	41	49	908
10/30/2020	5	30	1,475	19	36	26	44	939
10/31/2020	6	28	1,336	19	38	19	41	986
11/1/2020	7	28	1,422	18	46	40	0	942
11/2/2020	1	30	1,596	18	33	14	0	897
11/3/2020	2	31	1,570	18	33	15	0	993
11/4/2020	3	30	1,502	18	48	32	0	1,020
11/5/2020	4	29	1,463	18	62	38	0	955
11/6/2020	5	28	1,381	18	65	41	0	883
11/7/2020	6	25	1,299	18	61	43	0	834
11/8/2020	7	25	1,339	18	63	46	0	804
11/9/2020	1	28	1,443	18	61	43	0	832
11/10/2020	2	28	1,440	18	65	51	0	866
11/11/2020	3	28	1,477	18	70	61	0	857
11/12/2020	4	28	1,452	18	47	35	0	879
11/13/2020	5	29	1,477	18	39	37	0	897
11/14/2020	6	28	1,418	18	41	24	0	920
11/15/2020	7	28	1,466	18	42	30	0	956
11/16/2020	1	30	1,537	18	44	30	0	873
11/17/2020	2	31	1,572	18	39	25	0	960
11/18/2020	3	34	1,706	18	25	8	0	1,071
11/19/2020	4	33	1,619	18	36	20	0	1,120
11/20/2020	5	30	1,458	18	55	32	0	996
11/21/2020	6	27	1,392	18	47	28	0	913
11/22/2020	7	29	1,506	18	36	28	0	937
11/23/2020	1	31	1,579	18	41	31	0	925
11/24/2020	2	32	1,642	18	31	11	0	1,021
11/25/2020	3	33	1,589	18	33	23	0	1,094
11/26/2020	4	29	1,502	12	37	36	0	937
11/27/2020	5	27	1,391	18	48	38	0	888
11/28/2020	6	27	1,413	18	43	34	0	874
11/29/2020	7	28	1,460	18	38	28	0	931
11/30/2020	1	31	1,593	18	56	53	0	955
12/1/2020	2	29	1,510	18	53	34	0	913
12/2/2020	3	31	1,624	18	37	26	0	940
12/3/2020	4	31	1,587	18	41	25	0	1,026
12/4/2020	5	31	1,516	18	47	28	0	983
12/5/2020	6	30	1,562	18	33	31	0	938
12/6/2020	7	31	1,640	18	30	20	0	968
12/7/2020	1	35	1,784	18	27	18	0	1,091
12/8/2020	2	35	1,767	18	26	15	0	1,119
12/9/2020	3	35	1,721	18	31	28	0	1,161
12/10/2020	4	33	1,659	18	37	26	0	1,071
12/11/2020	5	32	1,592	18	33	28	0	1,061
12/12/2020	6	30	1,545	18	37	35	0	1,009
12/13/2020	7	29	1,547	18	37	35	0	947

12/14/2020	1	33	1,693	18	34	28	0	986
12/15/2020	2	35	1,825	18	24	4	0	1,090
12/16/2020	3	37	1,843	18	22	3	0	1,224
12/17/2020	4	37	1,847	18	23	17	0	1,230
12/18/2020	5	36	1,755	18	22	10	0	1,175
12/19/2020	6	35	1,696	18	21	13	0	1,219
12/20/2020	7	34	1,709	18	28	25	0	1,134
12/21/2020	1	34	1,692	18	32	29	0	1,080
12/22/2020	2	33	1,678	18	38	24	0	1,069
12/23/2020	3	34	1,669	18	30	16	0	1,089
12/24/2020	4	31	1,505	18	47	43	0	1,055
12/25/2020	5	27	1,342	18	52	50	0	908
12/26/2020	6	30	1,608	18	29	14	0	922
12/27/2020	7	32	1,634	18	26	16	0	1,089
12/28/2020	1	33	1,665	18	37	31	0	1,098
12/29/2020	2	34	1,801	18	23	-2	0	1,042
12/30/2020	3	35	1,711	18	32	10	0	1,173
12/31/2020	4	32	1,583	18	37	20	0	1,029
1/1/2021	5	31	1,554	18	31	17	0	1,068
1/2/2021	6	31	1,551	18	36	28	0	1,018
1/3/2021	7	31	1,620	18	31	24	0	1,046
1/4/2021	1	33	1,649	18	32	25	0	1,042
1/5/2021	2	33	1,684	18	32	26	0	1,063
1/6/2021	3	33	1,684	18	30	19	0	1,063
1/7/2021	4	34	1,694	18	30	17	0	1,104
1/8/2021	5	34	1,658	18	30	11	0	1,144
1/9/2021	6	32	1,599	18	29	17	0	1,132
1/10/2021	7	31	1,607	18	32	15	0	1,086
1/11/2021	1	35	1,724	18	31	18	0	1,127
1/12/2021	2	34	1,665	18	34	19	0	1,127
1/13/2021	3	33	1,645	18	35	22	0	1,079
1/14/2021	4	33	1,626	18	34	25	0	1,055
1/15/2021	5	32	1,557	18	36	24	0	1,028
1/16/2021	6	30	1,485	18	41	40	0	992
1/17/2021	7	29	1,528	18	38	24	0	968
1/18/2021	1	32	1,639	18	35	21	0	992
1/19/2021	2	34	1,670	18	31	17	0	1,116
1/20/2021	3	34	1,698	18	26	18	0	1,107
1/21/2021	4	35	1,733	18	25	19	0	1,176
1/22/2021	5	33	1,586	18	37	25	0	1,105
1/23/2021	6	33	1,673	18	19	1	0	1,067
1/24/2021	7	34	1,678	18	24	5	0	1,197
1/25/2021	1	35	1,725	18	27	6	0	1,179
1/26/2021	2	35	1,692	18	31	11	0	1,165
1/27/2021	3	34	1,662	18	34	27	0	1,099
1/28/2021	4	34	1,717	19	22	7	0	1,061
1/29/2021	5	37	1,791	18	14	-2	0	1,249



1/30/2021	6	35	1,711	18	15	-4	0	1,271
1/31/2021	7	34	1,690	18	22	-1	0	1,241
2/1/2021	1	36	1,772	18	29	18	0	1,212
2/2/2021	2	34	1,680	18	33	26	0	1,124
2/3/2021	3	34	1,659	18	32	22	0	1,081
2/4/2021	4	33	1,640	19	31	19	0	1,097
2/5/2021	5	34	1,642	11	22	19	0	1,150
2/6/2021	6	31	1,541	19	33	9	0	1,076
2/7/2021	7	33	1,681	18	24	21	0	1,098
2/8/2021	1	35	1,721	19	21	0	0	1,108
2/9/2021	2	36	1,736	18	23	20	0	1,199
2/10/2021	3	36	1,730	19	22	6	0	1,187
2/11/2021	4	36	1,748	19	21	2	0	1,188
2/12/2021	5	36	1,716	19	17	-4	0	1,236
2/13/2021	6	33	1,606	19	24	-3	0	1,194
2/14/2021	7	32	1,572	19	26	17	0	1,084
2/15/2021	1	34	1,694	18	26	22	0	1,071
2/16/2021	2	34	1,634	19	34	30	0	1,101
2/17/2021	3	34	1,705	19	23	3	0	1,114
2/18/2021	4	35	1,697	19	25	16	0	1,155
2/19/2021	5	34	1,643	19	26	23	0	1,123
2/20/2021	6	32	1,561	19	25	10	0	1,085
2/21/2021	7	31	1,553	19	25	7	0	1,111
2/22/2021	1	34	1,664	18	33	30	0	1,136
2/23/2021	2	32	1,559	19	35	31	0	1,084
2/24/2021	3	31	1,521	19	44	25	0	1,045
2/25/2021	4	31	1,569	19	35	14	0	996
2/26/2021	5	32	1,534	19	31	13	0	1,093
2/27/2021	6	32	1,505	19	33	32	0	1,076
2/28/2021	7	29	1,476	19	39	28	0	1,005
3/1/2021	1	32	1,596	19	38	19	0	987
3/2/2021	2	35	1,727	19	22	-5	0	1,140
3/3/2021	3	33	1,603	19	37	23	0	1,168
3/4/2021	4	32	1,623	19	29	7	0	1,073
3/5/2021	5	34	1,627	19	27	-3	0	1,150
3/6/2021	6	32	1,547	19	26	6	0	1,153
3/7/2021	7	31	1,525	19	30	9	0	1,106
3/8/2021	1	32	1,582	19	34	-1	0	1,090
3/9/2021	2	31	1,524	19	42	24	0	1,062
3/10/2021	3	30	1,482	19	48	23	0	1,032
3/11/2021	4	29	1,433	19	63	33	0	1,004
3/12/2021	5	28	1,372	19	50	18	0	915
3/13/2021	6	28	1,402	19	37	7	0	968
3/14/2021	7	29	1,506	20	24	4	0	982
3/15/2021	1	34	1,642	20	19	-5	0	1,122
3/16/2021	2	33	1,566	09	17	-3	0	1,150
3/17/2021	3	30	1,469	09	25	13	0	1,071

3/18/2021	4	31	1,459	19	43	40	0	986
3/19/2021	5	31	1,467	09	21	2	0	1,019
3/20/2021	6	28	1,306	10	31	10	0	1,042
3/21/2021	7	26	1,279	20	58	16	0	958
3/22/2021	1	28	1,364	09	28	22	0	926
3/23/2021	2	28	1,356	09	30	26	0	940
3/24/2021	3	29	1,362	20	56	32	0	912
3/25/2021	4	28	1,342	11	51	49	0	901
3/26/2021	5	28	1,364	12	56	55	0	882
3/27/2021	6	25	1,202	20	50	34	0	869
3/28/2021	7	27	1,380	18	44	41	0	857
3/29/2021	1	29	1,382	20	43	3	0	897
3/30/2021	2	29	1,363	08	24	16	0	980
3/31/2021	3	29	1,362	19	60	50	0	910
4/1/2021	4	29	1,430	19	36	24	47	880
4/2/2021	5	30	1,410	20	29	12	38	1,003
4/3/2021	6	27	1,270	20	45	5	37	998
4/4/2021	7	26	1,201	20	52	20	43	954
4/5/2021	1	29	1,361	20	51	21	46	890
4/6/2021	2	28	1,310	20	57	32	51	917
4/7/2021	3	27	1,294	20	62	41	55	890
4/8/2021	4	27	1,275	20	60	43	57	865
4/9/2021	5	26	1,226	20	68	41	60	853
4/10/2021	6	24	1,185	20	72	48	63	821
4/11/2021	7	24	1,223	20	50	38	57	802
4/12/2021	1	28	1,324	12	51	41	54	838
4/13/2021	2	27	1,285	20	61	40	54	903
4/14/2021	3	27	1,273	20	56	39	55	856
4/15/2021	4	28	1,355	19	44	35	52	860
4/16/2021	5	30	1,455	12	36	34	46	911
4/17/2021	6	27	1,271	11	39	30	44	929
4/18/2021	7	25	1,218	20	54	32	49	881
4/19/2021	1	27	1,272	20	59	39	54	870
4/20/2021	2	27	1,273	20	60	37	56	871
4/21/2021	3	28	1,356	18	58	49	58	861
4/22/2021	4	30	1,384	20	40	14	44	943
4/23/2021	5	28	1,304	09	40	22	40	965
4/24/2021	6	25	1,129	21	63	28	51	884
4/25/2021	7	25	1,210	18	52	41	54	803
4/26/2021	1	27	1,280	20	47	22	49	857
4/27/2021	2	27	1,277	09	44	14	42	916
4/28/2021	3	27	1,303	19	57	53	56	859
4/29/2021	4	28	1,338	18	50	48	55	859
4/30/2021	5	27	1,281	11	56	48	56	877
5/1/2021	6	25	1,153	21	52	21	49	869
5/2/2021	7	24	1,180	21	65	37	54	833
5/3/2021	1	27	1,284	19	59	35	56	824

5/4/2021	2	27	1,304	12	51	41	54	850
5/5/2021	3	28	1,356	18	49	46	55	858
5/6/2021	4	27	1,253	21	55	24	51	882
5/7/2021	5	26	1,213	09	45	35	49	867
5/8/2021	6	25	1,159	21	54	32	51	848
5/9/2021	7	24	1,156	20	59	33	53	826
5/10/2021	1	27	1,268	19	63	36	56	818
5/11/2021	2	27	1,259	19	57	21	53	849
5/12/2021	3	27	1,265	19	58	33	53	871
5/13/2021	4	27	1,258	19	70	25	56	860
5/14/2021	5	27	1,246	14	74	31	59	851
5/15/2021	6	24	1,176	19	77	35	62	815
5/16/2021	7	24	1,219	19	73	33	62	794
5/17/2021	1	27	1,344	19	71	41	63	820
5/18/2021	2	28	1,396	18	80	42	66	857
5/19/2021	3	29	1,442	18	83	40	68	885
5/20/2021	4	29	1,441	18	77	49	68	878
5/21/2021	5	30	1,529	18	86	55	72	896
5/22/2021	6	31	1,588	18	85	56	74	950
5/23/2021	7	30	1,564	14	82	60	74	965
5/24/2021	1	28	1,378	19	71	39	64	862
5/25/2021	2	30	1,545	19	80	57	68	877
5/26/2021	3	36	1,971	18	91	60	75	984
5/27/2021	4	32	1,534	18	72	46	70	1,045
5/28/2021	5	27	1,247	11	54	29	58	885
5/29/2021	6	25	1,219	12	45	40	52	831
5/30/2021	7	26	1,247	18	47	44	51	830
5/31/2021	1	26	1,232	18	58	48	56	833
6/1/2021	2	28	1,381	19	73	45	61	841
6/2/2021	3	30	1,500	18	81	45	67	881
6/3/2021	4	32	1,566	18	76	60	70	963
6/4/2021	5	33	1,643	18	78	58	71	1,021
6/5/2021	6	34	1,823	18	88	60	75	975
6/6/2021	7	37	1,974	18	88	59	76	1,056
6/7/2021	1	43	2,256	18	93	60	78	1,170
6/8/2021	2	44	2,264	15	91	68	80	1,340
6/9/2021	3	41	2,130	18	86	57	77	1,262
6/10/2021	4	32	1,544	18	74	49	71	1,076
6/11/2021	5	29	1,361	12	61	38	61	932
6/12/2021	6	27	1,343	19	76	49	65	876
6/13/2021	7	29	1,547	19	82	50	69	869
6/14/2021	1	30	1,449	18	64	58	67	953
6/15/2021	2	31	1,539	18	70	61	68	956
6/16/2021	3	30	1,439	18	70	40	64	948
6/17/2021	4	30	1,492	18	76	40	65	908
6/18/2021	5	31	1,604	18	82	50	68	920
6/19/2021	6	33	1,691	17	83	51	70	1,009

6/20/2021	7	35	1,822	19	86	52	73	1,037
6/21/2021	1	42	2,216	18	87	69	77	1,141
6/22/2021	2	36	1,798	12	74	62	73	1,126
6/23/2021	3	30	1,458	19	73	40	66	956
6/24/2021	4	30	1,511	18	77	48	66	914
6/25/2021	5	30	1,409	14	67	59	66	933
6/26/2021	6	32	1,632	19	81	68	72	948
6/27/2021	7	39	2,081	18	88	68	77	1,137
6/28/2021	1	47	2,446	18	95	68	81	1,341
6/29/2021	2	49	2,462	16	95	68	83	1,476
6/30/2021	3	46	2,436	15	92	68	82	1,462
7/1/2021	4	39	1,842	14	77	63	76	1,291
7/2/2021	5	31	1,449	12	59	57	67	1,029
7/3/2021	6	26	1,251	18	58	55	62	879
7/4/2021	7	25	1,219	19	67	57	63	842
7/5/2021	1	28	1,456	19	77	60	68	850
7/6/2021	2	36	2,006	18	88	70	76	997
7/7/2021	3	39	1,997	18	83	66	77	1,178
7/8/2021	4	32	1,501	13	66	55	69	1,096
7/9/2021	5	31	1,478	13	63	61	66	955
7/10/2021	6	30	1,459	19	78	60	71	980
7/11/2021	7	31	1,575	18	78	62	72	930
7/12/2021	1	32	1,556	18	72	63	71	1,025
7/13/2021	2	32	1,514	18	68	63	69	1,027
7/14/2021	3	34	1,794	18	79	71	73	1,010
7/15/2021	4	39	2,083	18	87	60	75	1,134
7/16/2021	5	42	2,162	17	90	66	79	1,238
7/17/2021	6	36	1,732	17	77	64	76	1,219
7/18/2021	7	30	1,457	19	69	63	70	1,043
7/19/2021	1	33	1,637	19	71	64	69	1,014
7/20/2021	2	37	1,965	18	83	64	74	1,052
7/21/2021	3	36	1,817	17	80	61	74	1,118
7/22/2021	4	33	1,666	18	77	56	71	1,027
7/23/2021	5	32	1,606	14	75	54	70	1,012
7/24/2021	6	30	1,552	18	80	51	69	946
7/25/2021	7	30	1,566	19	77	67	72	972
7/26/2021	1	38	1,978	18	84	60	74	1,062
7/27/2021	2	37	1,965	17	83	59	74	1,121
7/28/2021	3	33	1,625	18	77	50	71	1,084
7/29/2021	4	32	1,611	14	75	64	71	981
7/30/2021	5	32	1,549	14	74	57	70	1,007
7/31/2021	6	27	1,328	19	73	45	66	913
8/1/2021	7	28	1,443	18	76	56	68	880
8/2/2021	1	32	1,605	18	76	54	69	978
8/3/2021	2	32	1,562	18	74	55	69	967
8/4/2021	3	32	1,589	18	74	59	69	983
8/5/2021	4	32	1,523	19	74	63	70	1,027

8/6/2021	5	36	1,903 18	86	63	74	1,003
8/7/2021	6	36	1,879 18	87	64	77	1,062
8/8/2021	7	36	1,887 18	81	69	77	1,137
8/9/2021	1	37	1,827 15	80	65	76	1,150
8/10/2021	2	36	1,824 18	78	68	75	1,110
8/11/2021	3	44	2,329 18	88	75	79	1,220
8/12/2021	4	47	2,436 17	92	71	81	1,421
8/13/2021	5	46	2,352 17	92	70	82	1,379
8/14/2021	6	41	2,050 17	84	68	79	1,338
8/15/2021	7	31	1,590 18	78	51	73	1,047
8/16/2021	1	32	1,665 18	78	54	71	967
8/17/2021	2	35	1,820 18	80	63	72	1,013
8/18/2021	3	40	2,016 18	83	70	76	1,179
8/19/2021	4	38	1,796 18	75	72	75	1,260
8/20/2021	5	39	2,013 18	87	69	78	1,180
8/21/2021	6	39	1,936 17	84	70	77	1,240
8/22/2021	7	33	1,558 18	70	68	73	1,158
8/23/2021	1	36	1,810 14	78	69	74	1,095
8/24/2021	2	41	2,207 18	88	70	77	1,163
8/25/2021	3	42	2,236 17	90	61	78	1,243
8/26/2021	4	45	2,387 16	93	72	82	1,259
8/27/2021	5	43	2,175 15	90	63	80	1,365
8/28/2021	6	30	1,351 11	68	52	69	1,075
8/29/2021	7	28	1,371 19	65	61	66	941
8/30/2021	1	36	1,928 18	84	68	72	999
8/31/2021	2	36	1,790 18	82	57	74	1,119
9/1/2021	3	32	1,533 19	66	63	70	1,041
9/2/2021	4	30	1,464 18	73	50	67	968
9/3/2021	5	29	1,400 18	72	51	66	936
9/4/2021	6	27	1,358 18	77	51	68	900
9/5/2021	7	27	1,323 19	66	62	67	883
9/6/2021	1	29	1,496 18	73	59	69	923
9/7/2021	2	31	1,559 18	77	52	69	912
9/8/2021	3	33	1,674 18	79	61	71	942
9/9/2021	4	34	1,588 18	68	66	70	1,077
9/10/2021	5	31	1,480 14	72	54	69	1,021
9/11/2021	6	27	1,323 18	74	52	67	887
9/12/2021	7	29	1,522 20	74	64	68	889
9/13/2021	1	32	1,584 18	76	50	69	1,021
9/14/2021	2	30	1,494 19	71	56	68	945
9/15/2021	3	34	1,810 17	84	70	74	983
9/16/2021	4	32	1,482 20	65	58	66	1,045
9/17/2021	5	30	1,413 14	70	62	69	944
9/18/2021	6	30	1,520 18	80	65	71	945
9/19/2021	7	27	1,387 18	74	47	69	925
9/20/2021	1	29	1,460 18	73	51	68	879
9/21/2021	2	29	1,459 20	65	59	64	906

9/22/2021	3	32	1,573	19	70	68	69	954
9/23/2021	4	34	1,646	18	77	65	72	1,024
9/24/2021	5	33	1,606	12	72	69	72	1,077
9/25/2021	6	28	1,356	18	75	57	70	929
9/26/2021	7	27	1,329	19	67	44	64	890
9/27/2021	1	29	1,435	19	65	59	64	864
9/28/2021	2	29	1,415	19	64	54	64	920
9/29/2021	3	28	1,371	19	58	44	60	883
9/30/2021	4	28	1,359	19	55	41	56	885
10/1/2021	5	28	1,308	19	60	43	57	885
10/2/2021	6	26	1,280	19	64	56	61	898
10/3/2021	7	26	1,344	19	59	55	61	854
10/4/2021	1	29	1,430	19	54	50	59	875
10/5/2021	2	28	1,399	19	61	51	60	892
10/6/2021	3	29	1,420	19	68	54	63	894
10/7/2021	4	29	1,423	19	71	53	65	894
10/8/2021	5	28	1,355	19	62	52	63	899
10/9/2021	6	26	1,261	19	56	47	60	859
10/10/2021	7	26	1,295	19	60	52	60	834
10/11/2021	1	28	1,423	19	65	57	63	854
10/12/2021	2	28	1,443	19	69	59	66	871
10/13/2021	3	29	1,456	19	70	57	67	881
10/14/2021	4	29	1,466	19	70	58	67	906
10/15/2021	5	29	1,398	19	67	61	67	921
10/16/2021	6	27	1,346	19	71	59	68	895
10/17/2021	7	25	1,294	19	57	40	61	851
10/18/2021	1	28	1,410	19	50	37	54	839
10/19/2021	2	28	1,421	19	57	27	52	889
10/20/2021	3	28	1,402	19	62	50	57	895
10/21/2021	4	29	1,412	19	66	49	61	886
10/22/2021	5	28	1,342	19	62	48	61	885
10/23/2021	6	25	1,267	19	50	31	54	861
10/24/2021	7	26	1,329	19	46	33	50	865
10/25/2021	1	29	1,480	19	44	42	49	861
10/26/2021	2	30	1,487	19	50	47	52	943
10/27/2021	3	30	1,466	19	54	37	53	935
10/28/2021	4	29	1,450	19	49	35	51	940
10/29/2021	5	30	1,406	19	48	38	51	987
10/30/2021	6	28	1,366	18	54	52	55	933
10/31/2021	7	26	1,254	18	59	48	58	880
11/1/2021	1	28	1,443	19	53	29	0	879
11/2/2021	2	29	1,461	19	49	27	0	930
11/3/2021	3	31	1,520	19	44	30	0	972
11/4/2021	4	31	1,520	19	40	28	0	1,030
11/5/2021	5	30	1,450	09	26	24	0	1,027
11/6/2021	6	28	1,339	19	42	26	0	983
11/7/2021	7	27	1,398	18	45	28	0	944

11/8/2021	1	29	1,463	18	55	39	0	936
11/9/2021	2	29	1,442	18	58	41	0	939
11/10/2021	3	29	1,447	18	48	30	0	883
11/11/2021	4	29	1,457	18	47	31	0	966
11/12/2021	5	29	1,431	18	55	55	0	911
11/13/2021	6	26	1,320	18	51	33	0	903
11/14/2021	7	27	1,405	18	43	31	0	902
11/15/2021	1	30	1,535	18	39	32	0	905
11/16/2021	2	31	1,562	18	41	24	0	989
11/17/2021	3	31	1,546	18	41	27	0	1,043
11/18/2021	4	29	1,447	18	62	48	0	952
11/19/2021	5	30	1,499	18	39	23	0	913
11/20/2021	6	29	1,432	18	35	20	0	1,012
11/21/2021	7	28	1,446	18	42	32	0	965
11/22/2021	1	30	1,528	18	43	26	0	908
11/23/2021	2	33	1,659	18	29	10	0	1,039
11/24/2021	3	33	1,585	18	35	7	0	1,142
11/25/2021	4	28	1,399	12	48	23	0	979
11/26/2021	5	28	1,416	18	37	35	0	895
11/27/2021	6	31	1,554	18	29	18	0	987
11/28/2021	7	31	1,592	18	31	13	0	1,090
11/29/2021	1	33	1,690	18	31	16	0	1,052
11/30/2021	2	34	1,668	18	34	22	0	1,154
12/1/2021	3	33	1,621	18	34	21	0	1,079
12/2/2021	4	32	1,585	18	39	38	0	1,043
12/3/2021	5	32	1,634	18	33	12	0	1,007
12/4/2021	6	32	1,557	18	34	21	0	1,129
12/5/2021	7	31	1,585	18	30	19	0	1,063
12/6/2021	1	32	1,586	18	51	50	0	999
12/7/2021	2	32	1,674	18	33	14	0	994
12/8/2021	3	35	1,748	18	27	21	0	1,130
12/9/2021	4	35	1,730	18	29	13	0	1,156
12/10/2021	5	35	1,642	18	32	23	0	1,174
12/11/2021	6	31	1,532	18	33	33	0	1,060
12/12/2021	7	29	1,540	18	39	17	0	945
12/13/2021	1	32	1,597	18	49	16	0	1,023
12/14/2021	2	32	1,619	18	39	12	0	1,022
12/15/2021	3	33	1,633	18	37	13	0	1,106
12/16/2021	4	32	1,562	18	39	39	0	1,019
12/17/2021	5	30	1,515	18	48	20	0	973
12/18/2021	6	32	1,625	18	31	30	0	1,016
12/19/2021	7	33	1,687	18	25	12	0	1,070
12/20/2021	1	36	1,783	18	24	13	0	1,177
12/21/2021	2	35	1,702	18	28	23	0	1,178
12/22/2021	3	34	1,670	18	36	27	0	1,134
12/23/2021	4	35	1,737	18	24	1	0	1,137
12/24/2021	5	34	1,608	18	24	15	0	1,184

12/25/2021	6	31	1,458	18	30	29	0	1,084
12/26/2021	7	31	1,565	18	31	26	0	1,008
12/27/2021	1	34	1,703	18	28	25	0	1,081
12/28/2021	2	33	1,651	18	34	32	0	1,115
12/29/2021	3	32	1,621	18	35	30	0	1,045
12/30/2021	4	32	1,579	18	36	35	0	1,031
12/31/2021	5	30	1,513	18	37	36	0	992
1/1/2022	6	29	1,457	18	36	36	0	951
1/2/2022	7	29	1,538	18	35	29	0	931
1/3/2022	1	35	1,783	18	20	7	0	1,084
1/4/2022	2	36	1,762	18	28	13	0	1,241
1/5/2022	3	35	1,665	18	37	36	0	1,168
1/6/2022	4	33	1,671	18	30	16	0	1,068
1/7/2022	5	35	1,694	18	28	20	0	1,106
1/8/2022	6	34	1,678	18	19	1	0	1,188
1/9/2022	7	33	1,611	18	35	29	0	1,132
1/10/2022	1	35	1,767	18	21	6	0	1,065
1/11/2022	2	39	1,913	18	4	-15	0	1,257
1/12/2022	3	38	1,791	18	23	12	0	1,282
1/13/2022	4	35	1,670	18	31	24	0	1,168
1/14/2022	5	34	1,670	18	27	13	0	1,111
1/15/2022	6	38	1,854	18	4	-16	0	1,286
1/16/2022	7	36	1,757	18	21	-8	0	1,307
1/17/2022	1	34	1,668	18	38	30	0	1,173
1/18/2022	2	36	1,813	18	20	2	0	1,108
1/19/2022	3	36	1,706	10	13	2	0	1,220
1/20/2022	4	35	1,741	19	20	2	0	1,111
1/21/2022	5	38	1,788	18	15	-6	0	1,294
1/22/2022	6	36	1,724	18	17	-1	0	1,328
1/23/2022	7	34	1,673	18	29	11	0	1,224
1/24/2022	1	35	1,747	18	25	4	0	1,163
1/25/2022	2	35	1,695	19	29	10	0	1,182
1/26/2022	3	37	1,823	19	12	-10	0	1,229
1/27/2022	4	39	1,825	18	21	-1	0	1,364
1/28/2022	5	36	1,663	18	30	16	0	1,261
1/29/2022	6	36	1,776	18	9	4	0	1,170
1/30/2022	7	35	1,738	18	17	-3	0	1,257
1/31/2022	1	37	1,780	19	19	7	0	1,284
2/1/2022	2	37	1,739	18	28	19	0	1,262
2/2/2022	3	34	1,606	18	40	32	0	1,160
2/3/2022	4	33	1,582	18	39	39	0	1,076
2/4/2022	5	34	1,693	18	24	21	0	1,074
2/5/2022	6	34	1,673	19	16	0	0	1,161
2/6/2022	7	35	1,687	19	22	6	0	1,268
2/7/2022	1	36	1,710	18	27	25	0	1,220
2/8/2022	2	33	1,622	19	36	27	0	1,103
2/9/2022	3	33	1,582	19	37	20	0	1,118



2/10/2022	4	33	1,575	19	39	29	0	1,098
2/11/2022	5	31	1,480	19	44	21	0	1,072
2/12/2022	6	29	1,427	19	43	25	0	988
2/13/2022	7	31	1,586	18	26	8	0	1,015
2/14/2022	1	35	1,781	19	13	-8	0	1,111
2/15/2022	2	37	1,753	19	23	3	0	1,289
2/16/2022	3	35	1,654	19	38	24	0	1,184
2/17/2022	4	31	1,491	19	53	43	0	1,068
2/18/2022	5	31	1,580	19	26	9	0	965
2/19/2022	6	33	1,594	19	27	15	0	1,155
2/20/2022	7	33	1,610	19	28	4	0	1,201
2/21/2022	1	31	1,526	19	41	22	0	1,102
2/22/2022	2	32	1,599	18	38	37	0	1,053
2/23/2022	3	30	1,503	19	41	19	0	1,000
2/24/2022	4	34	1,636	19	26	-2	0	1,130
2/25/2022	5	35	1,695	19	17	13	0	1,148
2/26/2022	6	32	1,534	19	25	4	0	1,173
2/27/2022	7	31	1,528	19	33	16	0	1,126
2/28/2022	1	34	1,683	19	19	-8	0	1,144
3/1/2022	2	35	1,640	19	34	17	0	1,212
3/2/2022	3	33	1,585	19	32	13	0	1,124
3/3/2022	4	33	1,649	19	22	-1	0	1,104
3/4/2022	5	34	1,587	19	27	0	0	1,233
3/5/2022	6	31	1,465	19	35	12	0	1,123
3/6/2022	7	28	1,397	19	60	45	0	999
3/7/2022	1	30	1,501	19	39	39	0	921
3/8/2022	2	31	1,547	19	35	8	0	995
3/9/2022	3	33	1,611	19	30	28	0	1,085
3/10/2022	4	31	1,487	19	43	20	0	1,094
3/11/2022	5	30	1,427	19	45	27	0	1,050
3/12/2022	6	31	1,527	19	26	19	0	975
3/13/2022	7	31	1,488	20	29	7	0	1,123
3/14/2022	1	31	1,511	09	27	17	0	1,084
3/15/2022	2	30	1,417	20	45	34	0	1,023
3/16/2022	3	29	1,396	09	34	34	0	989
3/17/2022	4	29	1,372	09	39	36	0	972
3/18/2022	5	28	1,296	09	43	43	0	930
3/19/2022	6	27	1,307	12	43	41	0	865
3/20/2022	7	26	1,295	20	50	35	0	893
3/21/2022	1	29	1,429	11	47	24	0	907
3/22/2022	2	30	1,438	20	39	12	0	977
3/23/2022	3	30	1,416	08	27	14	0	1,029
3/24/2022	4	31	1,475	12	38	36	0	960
3/25/2022	5	29	1,368	09	37	35	0	994
3/26/2022	6	26	1,247	20	46	29	0	908
3/27/2022	7	27	1,352	20	39	21	0	915
3/28/2022	1	32	1,579	20	21	5	0	999

3/29/2022	2	33	1,535 08	20	4	0	1,165
3/30/2022	3	31	1,473 08	26	7	0	1,072
3/31/2022	4	30	1,411 11	41	32	0	982
4/1/2022	5	28	1,328 10	48	46	48	915
4/2/2022	6	27	1,242 20	46	13	44	957
4/3/2022	7	27	1,315 20	44	28	44	948
4/4/2022	1	28	1,344 20	50	16	45	937
4/5/2022	2	28	1,325 08	28	23	37	944
4/6/2022	3	28	1,343 20	50	30	49	923
4/7/2022	4	29	1,387 20	44	32	48	930
4/8/2022	5	28	1,361 10	45	44	49	954
4/9/2022	6	27	1,249 12	45	40	50	917
4/10/2022	7	26	1,286 20	46	28	48	920
4/11/2022	1	27	1,306 08	37	25	41	924
4/12/2022	2	28	1,336 10	46	43	49	880
4/13/2022	3	28	1,303 20	58	32	54	892
4/14/2022	4	28	1,362 19	47	43	53	889
4/15/2022	5	26	1,237 08	36	36	45	904
4/16/2022	6	26	1,240 19	45	43	51	843
4/17/2022	7	25	1,214 21	42	22	44	863
4/18/2022	1	28	1,323 20	48	26	46	916
4/19/2022	2	29	1,354 10	46	45	48	916
4/20/2022	3	28	1,311 20	50	20	46	940
4/21/2022	4	28	1,319 20	54	33	49	954
4/22/2022	5	27	1,239 09	52	41	49	893
4/23/2022	6	25	1,168 20	57	19	50	884
4/24/2022	7	25	1,181 19	53	21	49	843
4/25/2022	1	27	1,241 20	55	32	51	855
4/26/2022	2	27	1,295 12	55	34	51	869
4/27/2022	3	27	1,274 20	44	30	50	855
4/28/2022	4	28	1,283 10	41	23	46	919
4/29/2022	5	27	1,255 09	39	12	40	940
4/30/2022	6	25	1,147 21	53	27	47	904
5/1/2022	7	24	1,178 20	69	34	55	859
5/2/2022	1	27	1,325 19	51	44	55	834
5/3/2022	2	28	1,283 10	48	44	52	885
5/4/2022	3	28	1,357 18	50	49	55	882
5/5/2022	4	27	1,246 21	60	20	53	894
5/6/2022	5	26	1,215 09	48	35	50	870
5/7/2022	6	24	1,164 21	48	22	49	846
5/8/2022	7	24	1,166 21	50	24	48	853
5/9/2022	1	27	1,258 20	59	20	49	868
5/10/2022	2	27	1,253 20	62	24	52	878
5/11/2022	3	27	1,282 19	75	32	59	872
5/12/2022	4	28	1,372 19	78	55	66	862
5/13/2022	5	30	1,530 19	86	55	72	892
5/14/2022	6	32	1,637 18	89	55	75	963

5/15/2022	7	30	1,493	18	75	64	73	996
5/16/2022	1	31	1,520	15	78	63	73	952
5/17/2022	2	28	1,327	18	67	39	63	924
5/18/2022	3	27	1,290	19	66	24	58	880
5/19/2022	4	28	1,357	18	53	51	57	870
5/20/2022	5	28	1,294	18	67	55	61	896
5/21/2022	6	29	1,561	19	86	67	71	881
5/22/2022	7	33	1,838	18	91	62	77	950
5/23/2022	1	29	1,405	18	68	32	67	998
5/24/2022	2	28	1,330	19	63	40	60	895
5/25/2022	3	28	1,388	18	74	49	64	884
5/26/2022	4	28	1,365	18	72	44	65	899
5/27/2022	5	32	1,622	18	81	63	70	936
5/28/2022	6	30	1,452	14	77	62	71	1,010
5/29/2022	7	27	1,389	19	78	42	67	868
5/30/2022	1	30	1,666	18	87	48	71	889
5/31/2022	2	32	1,500	12	70	54	67	1,070
6/1/2022	3	29	1,343	14	53	49	61	934
6/2/2022	4	28	1,326	18	60	55	60	892
6/3/2022	5	28	1,336	12	56	54	59	889
6/4/2022	6	26	1,301	19	72	59	66	863
6/5/2022	7	26	1,307	19	73	38	64	843
6/6/2022	1	29	1,493	18	79	50	67	862
6/7/2022	2	31	1,537	18	78	53	69	924
6/8/2022	3	32	1,577	18	77	50	69	981
6/9/2022	4	31	1,483	18	71	59	68	957
6/10/2022	5	29	1,408	18	70	47	66	933
6/11/2022	6	27	1,342	19	74	51	66	889
6/12/2022	7	28	1,444	18	76	55	68	869
6/13/2022	1	34	1,749	18	80	51	70	988
6/14/2022	2	32	1,638	18	78	50	69	982
6/15/2022	3	32	1,603	18	75	56	69	981
6/16/2022	4	31	1,477	18	73	58	69	975
6/17/2022	5	34	1,717	17	83	50	71	1,005
6/18/2022	6	27	1,199	19	57	43	62	959
6/19/2022	7	25	1,176	19	61	41	59	843
6/20/2022	1	28	1,422	19	76	37	61	851
6/21/2022	2	29	1,476	18	76	48	65	890
6/22/2022	3	30	1,404	18	70	54	66	940
6/23/2022	4	30	1,495	18	73	58	68	937
6/24/2022	5	32	1,627	18	81	58	71	957
6/25/2022	6	33	1,813	19	88	56	74	958
6/26/2022	7	36	1,968	18	90	58	77	1,030
6/27/2022	1	36	1,738	18	80	68	76	1,159
6/28/2022	2	32	1,639	19	78	49	71	998
6/29/2022	3	33	1,716	18	83	57	72	972
6/30/2022	4	32	1,631	19	78	47	69	1,009

7/1/2022	5	37	1,983 18	90	63	75	999
7/2/2022	6	36	1,797 18	85	60	76	1,228
7/3/2022	7	31	1,592 18	79	45	71	1,003
7/4/2022	1	30	1,536 18	81	45	69	928
7/5/2022	2	31	1,549 13	73	55	68	960
7/6/2022	3	33	1,647 18	77	53	68	1,023
7/7/2022	4	33	1,689 18	80	54	70	981
7/8/2022	5	35	1,776 18	83	53	72	1,031
7/9/2022	6	31	1,535 18	80	43	70	1,028
7/10/2022	7	28	1,517 19	79	45	68	895
7/11/2022	1	34	1,860 19	85	53	71	948
7/12/2022	2	38	2,040 17	90	65	76	1,105
7/13/2022	3	38	1,913 18	83	54	74	1,147
7/14/2022	4	36	1,812 16	73	61	72	1,135
7/15/2022	5	34	1,759 18	83	49	72	1,041
7/16/2022	6	32	1,639 18	82	55	72	1,001
7/17/2022	7	35	1,893 19	86	63	75	1,029
7/18/2022	1	38	1,856 13	78	71	75	1,172
7/19/2022	2	42	2,197 18	89	64	77	1,239
7/20/2022	3	45	2,344 18	93	63	79	1,266
7/21/2022	4	44	2,326 15	91	70	81	1,370
7/22/2022	5	42	2,189 18	91	60	78	1,265
7/23/2022	6	41	2,182 18	93	56	78	1,230
7/24/2022	7	42	2,264 18	95	57	79	1,235
7/25/2022	1	41	2,010 18	76	71	76	1,401
7/26/2022	2	35	1,733 18	79	55	73	1,125
7/27/2022	3	35	1,776 18	82	55	72	1,040
7/28/2022	4	38	2,070 18	84	69	75	1,070
7/29/2022	5	39	2,003 18	86	57	76	1,234
7/30/2022	6	34	1,688 18	79	55	73	1,163
7/31/2022	7	34	1,806 18	83	59	73	1,010
8/1/2022	1	38	1,974 18	85	59	74	1,127
8/2/2022	2	41	2,148 18	89	65	77	1,161
8/3/2022	3	40	2,099 18	88	54	76	1,232
8/4/2022	4	44	2,406 18	97	63	80	1,221
8/5/2022	5	44	2,163 18	91	68	81	1,371
8/6/2022	6	43	2,164 17	92	68	81	1,311
8/7/2022	7	43	2,101 19	83	74	79	1,358
8/8/2022	1	47	2,427 16	93	67	81	1,362
8/9/2022	2	45	2,264 14	88	72	81	1,441
8/10/2022	3	36	1,720 18	77	60	75	1,229
8/11/2022	4	36	1,788 18	80	59	73	1,102
8/12/2022	5	33	1,592 17	75	49	70	1,099
8/13/2022	6	28	1,373 18	77	49	68	955
8/14/2022	7	29	1,546 19	81	48	69	918
8/15/2022	1	33	1,706 18	83	51	71	961
8/16/2022	2	33	1,671 18	82	50	71	1,004

8/17/2022	3	32	1,535 14	75	51	70	1,050
8/18/2022	4	31	1,515 18	76	57	69	991
8/19/2022	5	35	1,840 18	88	48	72	1,017
8/20/2022	6	34	1,810 18	89	63	76	1,020
8/21/2022	7	35	1,861 18	89	53	76	1,069
8/22/2022	1	34	1,663 14	74	66	73	1,078
8/23/2022	2	35	1,729 18	77	65	73	1,110
8/24/2022	3	37	1,879 18	82	62	74	1,136
8/25/2022	4	38	1,961 18	87	57	75	1,126
8/26/2022	5	35	1,837 15	83	65	76	1,142
8/27/2022	6	32	1,554 18	80	53	71	1,057
8/28/2022	7	30	1,603 18	81	62	72	962
8/29/2022	1	38	2,080 18	87	66	76	1,028
8/30/2022	2	42	2,262 17	92	69	80	1,245
8/31/2022	3	37	1,757 14	81	58	75	1,184
9/1/2022	4	31	1,484 18	72	45	68	1,022
9/2/2022	5	28	1,414 18	74	45	66	915
9/3/2022	6	28	1,411 18	80	57	69	881
9/4/2022	7	30	1,650 18	85	63	74	906
9/5/2022	1	29	1,373 18	61	60	68	993
9/6/2022	2	29	1,410 13	61	60	65	899
9/7/2022	3	29	1,414 19	66	59	65	923
9/8/2022	4	29	1,457 18	75	53	67	922
9/9/2022	5	30	1,503 18	80	56	70	909
9/10/2022	6	29	1,544 18	83	60	73	926
9/11/2022	7	30	1,489 18	76	66	73	955
9/12/2022	1	34	1,730 18	77	64	73	997
9/13/2022	2	33	1,579 19	71	67	71	1,064
9/14/2022	3	31	1,536 18	77	57	71	995
9/15/2022	4	28	1,326 20	57	38	60	950
9/16/2022	5	25	1,192 18	68	43	62	796
9/17/2022	6	23	1,128 20	61	48	59	775
9/18/2022	7	25	1,338 19	73	63	67	774
9/19/2022	1	29	1,410 19	57	56	64	920
9/20/2022	2	29	1,380 19	59	56	62	895
9/21/2022	3	28	1,372 20	61	56	62	892
9/22/2022	4	29	1,416 12	64	64	64	903
9/23/2022	5	27	1,276 20	48	35	54	872
9/24/2022	6	25	1,195 20	58	41	55	850
9/25/2022	7	25	1,287 19	58	55	59	820
9/26/2022	1	28	1,388 19	67	54	63	845
9/27/2022	2	27	1,351 19	65	47	62	841
9/28/2022	3	27	1,341 19	63	48	62	863
9/29/2022	4	27	1,321 20	51	40	56	867
9/30/2022	5	27	1,273 19	57	43	57	836
10/1/2022	6	25	1,215 19	59	48	58	841
10/2/2022	7	25	1,270 19	52	34	54	785

10/3/2022	1	27	1,374 19	51	36	52	848
10/4/2022	2	28	1,357 19	57	45	55	885
10/5/2022	3	28	1,378 19	60	56	59	870
10/6/2022	4	28	1,356 19	69	53	63	878
10/7/2022	5	27	1,320 19	69	50	64	862
10/8/2022	6	24	1,211 19	53	28	56	831
10/9/2022	7	25	1,260 19	57	36	54	850
10/10/2022	1	28	1,387 19	53	48	55	853
10/11/2022	2	28	1,360 19	58	44	56	897
10/12/2022	3	27	1,356 19	64	42	58	889
10/13/2022	4	28	1,397 19	59	58	61	860
10/14/2022	5	28	1,322 11	53	53	58	886
10/15/2022	6	24	1,215 19	62	48	61	813
10/16/2022	7	24	1,279 19	59	45	59	813
10/17/2022	1	28	1,408 19	52	51	57	831
10/18/2022	2	28	1,357 19	56	43	56	874
10/19/2022	3	28	1,378 19	49	28	51	857
10/20/2022	4	28	1,372 19	51	27	49	916
10/21/2022	5	27	1,313 09	32	30	40	917
10/22/2022	6	25	1,219 19	62	35	54	887
10/23/2022	7	25	1,303 19	54	48	56	830
10/24/2022	1	28	1,396 19	58	57	59	834
10/25/2022	2	28	1,393 19	64	63	63	870
10/26/2022	3	28	1,393 19	63	63	65	874
10/27/2022	4	27	1,338 19	52	30	56	877
10/28/2022	5	27	1,317 19	48	30	51	882
10/29/2022	6	26	1,243 19	52	32	50	912
10/30/2022	7	25	1,276 19	58	34	52	879
10/31/2022	1	27	1,305 09	31	29	38	872
11/1/2022	2	28	1,389 19	60	55	0	867
11/2/2022	3	27	1,353 19	57	29	0	869
11/3/2022	4	28	1,370 19	59	38	0	883
11/4/2022	5	27	1,306 19	64	47	0	883
11/5/2022	6	25	1,260 19	70	57	0	836
11/6/2022	7	26	1,357 18	72	60	0	819
11/7/2022	1	27	1,398 18	64	31	0	860
11/8/2022	2	27	1,419 18	43	18	0	857
11/9/2022	3	29	1,448 18	44	21	0	950
11/10/2022	4	28	1,392 18	58	33	0	954
11/11/2022	5	27	1,355 18	61	60	0	876
11/12/2022	6	26	1,271 18	63	51	0	859
11/13/2022	7	26	1,362 18	46	38	0	800
11/14/2022	1	30	1,544 18	35	15	0	918
11/15/2022	2	31	1,542 18	35	20	0	1,049
11/16/2022	3	31	1,525 18	40	36	0	1,021
11/17/2022	4	31	1,552 18	35	26	0	998
11/18/2022	5	27	1,274 08	27	21	0	942

11/19/2022	6	23	1,171	18	33	15	0	725
11/20/2022	7	26	1,449	19	27	8	0	822
11/21/2022	1	33	1,698	19	32	13	0	1,124
11/22/2022	2	31	1,528	18	36	19	0	1,061
11/23/2022	3	31	1,506	18	40	26	0	1,041
11/24/2022	4	28	1,345	11	33	23	0	1,010
11/25/2022	5	28	1,376	18	45	38	0	942
11/26/2022	6	27	1,353	18	44	25	0	943
11/27/2022	7	28	1,424	18	42	39	0	931
11/28/2022	1	30	1,528	18	40	33	0	903
11/29/2022	2	32	1,593	18	35	23	0	1,036
11/30/2022	3	31	1,527	18	52	51	0	1,039
12/1/2022	4	32	1,612	18	36	20	0	982
12/2/2022	5	32	1,518	18	37	22	0	1,095
12/3/2022	6	29	1,393	18	53	51	0	991
12/4/2022	7	29	1,554	18	33	16	0	947
12/5/2022	1	32	1,595	18	39	27	0	1,089
12/6/2022	2	31	1,544	18	47	45	0	1,033
12/7/2022	3	30	1,505	18	50	49	0	951
12/8/2022	4	30	1,543	18	38	26	0	940
12/9/2022	5	32	1,580	18	34	6	0	1,073
12/10/2022	6	32	1,550	18	33	19	0	1,104
12/11/2022	7	33	1,694	18	22	18	0	1,113
12/12/2022	1	35	1,748	18	27	13	0	1,146
12/13/2022	2	35	1,715	18	33	15	0	1,203
12/14/2022	3	35	1,719	18	29	18	0	1,201
12/15/2022	4	33	1,607	18	38	29	0	1,105
12/16/2022	5	33	1,628	18	33	32	0	1,058
12/17/2022	6	29	1,459	18	36	30	0	1,011
12/18/2022	7	31	1,592	18	34	24	0	1,020
12/19/2022	1	34	1,685	18	32	24	0	1,099
12/20/2022	2	34	1,697	18	30	20	0	1,149
12/21/2022	3	35	1,680	18	26	19	0	1,182
12/22/2022	4	34	1,638	18	34	27	0	1,170
12/23/2022	5	29	1,371	17	47	43	0	1,049
12/24/2022	6	32	1,613	18	15	-1	0	1,044
12/25/2022	7	33	1,525	18	21	4	0	1,196
12/26/2022	1	33	1,668	18	26	9	0	1,158
12/27/2022	2	34	1,705	18	28	10	0	1,134
12/28/2022	3	35	1,673	18	31	20	0	1,187
12/29/2022	4	32	1,595	18	35	23	0	1,111
12/30/2022	5	30	1,459	18	48	35	0	1,032
12/31/2022	6	28	1,406	18	47	42	0	941

							Max_5_M	
	Avg_DA_L	Avg_RT_L	OnPk_DA	OnPk_RT_	OffPk_DA	OffPk_RT	inute_LM	Neg_Inter
RT_LMP	MP	MP	_LMP	LMP	_LMP	_LMP	P	vals
169.75	156.16	144.03			156.16	144.03	205.83	0
171.24	171.27	150.53	184.92	156.36	143.97	138.87	264.91	0
167.75	161.12	156.49	175.07	164.53	133.22	140.42	285.68	0
364.57	150.41	208.89	167.14	250.19	116.93	126.30	366.73	3
390.20	214.81	283.85	241.32	331.64	161.79	188.28	499.68	0
225.06	218.99	242.60			218.99	242.60	438.61	0
288.34	195.91	198.89			195.91	198.89	383.00	0
149.90	171.92	149.33	175.85	149.42	164.05	149.16	244.55	0
147.31	117.46	127.33	116.97	115.74	118.43	150.51	231.46	0
84.25	104.68	73.29	103.81	72.65	106.43	74.58	132.79	0
42.28	62.41	40.14	58.01	39.02	71.19	42.37	100.60	13
25.86	29.24	23.17	31.48	23.75	24.78	22.01	47.44	1
187.73	74.09	94.03			74.09	94.03	227.60	0
167.08	147.59	151.76			147.59	151.76	396.23	0
163.42	156.31	133.21	162.63	136.85	143.69	125.94	185.28	0
107.07	137.74	110.47	140.94	108.73	131.33	113.96	144.71	0
138.15	114.55	116.99	122.71	124.29	98.23	102.38	199.12	0
103.67	111.66	90.96	114.41	89.97	106.14	92.94	225.89	0
81.98	75.31	93.95	73.35	86.30	79.24	109.26	240.80	0
1.08	41.03	13.63			41.03	13.63	89.65	72
39.23	36.97	18.43			36.97	18.43	44.03	42
50.30	49.93	34.70	60.22	47.30	29.36	9.50	78.41	15
67.28	28.19	56.88	30.02	56.83	24.52	56.96	143.97	1
82.99	55.90	38.72	69.05	48.99	29.59	18.17	103.58	18
122.89	109.65	97.07	119.45	102.29	90.05	86.65	250.99	1
63.96	93.91	60.55	93.53	59.08	94.66	63.49	102.36	0
38.59	45.99	48.24			45.99	48.24	171.00	1
34.77	30.30	27.59			30.30	27.59	45.41	11
50.31	53.01	34.74	62.79	39.80	33.45	24.62	75.58	4
136.04	94.69	102.74	109.72	116.93	64.62	74.34	176.74	0
129.63	99.13	95.51	98.78	87.14	99.84	112.26	193.98	0
55.65	63.19	75.34	64.37	62.81	60.83	100.39	193.18	0
85.06	75.71	66.13	84.75	72.85	57.63	52.70	110.49	0
88.20	79.94	75.59			79.94	75.59	156.93	0
92.53	57.35	78.66			57.35	78.66	183.24	0
66.29	62.85	45.12	67.30	44.24	53.94	46.88	81.67	2
102.96	73.63	75.50	73.78	81.34	73.31	63.82	115.39	0
63.74	67.84	57.92	72.95	62.58	57.62	48.62	87.37	0
63.59	63.58	49.45	69.30	51.28	52.14	45.78	99.14	0
54.00	56.39	49.87	56.44	51.08	56.29	47.45	67.92	0
29.23	38.20	33.41			38.20	33.41	59.67	0
42.15	30.15	29.16			30.15	29.16	60.83	2
36.05	28.68	15.20	32.89	21.74	20.26	2.10	40.08	45
34.43	40.72	26.82	44.73	27.94	32.70	24.57	41.61	0



35.30	29.68	24.75	31.12	25.33	26.81	23.58	51.41	0
20.39	23.56	18.17	24.82	20.34	21.06	13.85	41.33	17
30.73	21.89	27.97	24.39	33.51	16.89	16.91	64.98	0
39.86	26.74	26.66			26.74	26.66	97.06	0
39.61	22.14	31.02			22.14	31.02	214.81	0
27.25	23.66	24.69	25.63	25.06	19.72	23.96	55.89	0
28.97	23.83	20.21	26.73	21.11	18.02	18.42	41.14	0
26.45	21.15	18.91	22.73	20.24	18.00	16.25	38.76	0
29.74	27.89	20.42	32.72	24.64	18.21	11.98	35.32	2
22.72	23.56	19.90	25.27	21.46	20.13	16.78	33.92	0
22.03	21.63	22.22			21.63	22.22	43.34	0
43.73	24.18	26.28			24.18	26.28	56.19	0
45.44	27.01	25.65	29.64	28.00	21.76	20.96	56.77	0
39.39	24.39	19.57	24.45	19.55	24.28	19.62	41.77	9
36.34	21.87	20.36	24.21	21.85	17.19	17.37	70.65	0
21.11	23.72	14.37	26.22	17.84	18.72	7.41	32.52	4
41.44	22.52	20.82	24.72	25.78	18.12	10.92	49.63	41
33.00	22.98	14.32			22.98	14.32	38.87	50
62.95	22.95	24.72			22.95	24.72	75.96	0
49.78	26.28	28.43	29.04	30.67	20.76	23.95	55.40	0
43.54	28.62	28.78	29.51	28.28	26.86	29.78	50.64	0
38.73	33.41	33.53	36.25	36.48	27.72	27.63	61.85	0
46.00	33.38	37.06	37.15	33.55	25.86	44.06	244.80	1
46.98	35.62	33.14	38.22	34.89	30.40	29.64	51.84	0
46.28	26.95	29.20			26.95	29.20	48.75	0
42.17	27.26	29.54			27.26	29.54	46.69	0
38.54	33.22	30.36	36.03	32.46	27.62	26.17	63.29	0
41.92	35.59	30.88	39.36	33.12	28.04	26.40	46.38	0
44.80	39.80	63.83	43.85	79.25	31.70	33.00	1877.78	0
40.43	51.08	37.66	52.21	37.04	48.83	38.90	75.04	0
51.10	52.73	45.32	56.54	49.08	45.10	37.80	74.74	0
51.79	48.72	46.85			48.72	46.85	82.02	0
62.01	56.85	40.93			56.85	40.93	66.10	0
56.41	61.09	44.13	64.73	48.14	53.81	36.10	92.95	0
73.64	53.31	45.33	54.40	48.62	51.13	38.76	81.08	0
46.98	46.80	42.90	50.18	42.38	40.04	43.92	66.99	0
34.74	45.95	43.53	48.18	40.97	41.51	48.66	80.65	0
33.24	36.87	23.48	37.61	22.67	35.40	25.10	36.88	0
28.71	29.89	23.75			29.89	23.75	46.63	0
41.83	33.48	25.28			33.48	25.28	48.39	0
58.63	33.44	39.77	35.27	41.70	29.78	35.92	98.86	0
45.24	28.47	27.76	28.54	26.30	28.33	30.68	75.76	0
39.10	29.35	25.61	33.06	28.06	21.91	20.69	45.19	0
29.23	27.34	22.79	30.24	24.10	21.55	20.19	41.51	0
31.41	22.69	25.70	24.61	29.14	18.85	18.82	51.58	0
30.85	20.46	20.20			20.46	20.20	46.24	9
49.35	22.03	23.39			22.03	23.39	150.57	37

67.36	29.54	43.89	31.57	50.61	25.48	30.45	91.52	0
64.99	47.78	59.99	51.92	58.97	39.51	62.02	109.28	0
109.15	50.22	83.95	49.66	86.62	51.35	78.61	154.13	0
54.52	65.37	42.95	66.31	42.00	63.49	44.86	80.22	3
57.88	72.09	71.97	73.36	74.70	69.54	66.51	103.95	0
113.75	61.94	64.82			61.94	64.82	144.73	0
60.99	64.94	52.65			64.94	52.65	81.98	0
52.83	63.95	51.21	70.37	54.35	51.10	44.94	112.88	0
77.74	69.55	64.09	77.75	66.15	53.15	59.96	122.23	0
117.35	60.01	64.56	61.46	62.01	57.12	69.66	129.65	0
30.35	47.33	32.55	45.25	29.27	51.49	39.10	67.59	0
38.90	28.74	32.55	31.56	31.79	23.10	34.07	49.84	0
38.12	33.96	22.57			33.96	22.57	48.35	15
67.33	46.25	47.71			46.25	47.71	89.12	0
243.39	62.61	95.42	67.39	108.09	53.04	70.08	253.84	0
57.97	69.56	53.52	67.86	50.42	72.98	59.73	122.09	0
76.67	63.28	53.68	66.39	62.29	57.05	36.46	101.31	0
68.58	75.03	50.06	78.59	55.17	67.92	39.84	76.48	0
45.42	51.67	47.46	54.49	42.48	46.02	57.43	88.88	0
18.43	34.16	24.00			34.16	24.00	84.43	10
38.33	26.21	11.96			26.21	11.96	39.62	15
25.78	28.55	22.75	30.53	24.02	24.60	20.21	51.62	0
29.56	25.08	22.21	26.83	23.54	21.58	19.55	58.78	0
26.30	25.82	17.07	29.24	22.93	18.98	5.37	34.29	21
21.50	22.55	21.86	24.67	19.86	18.31	25.86	74.92	9
19.99	25.04	19.30	27.34	24.06	20.44	9.79	56.54	12
44.01	17.79	35.22			17.79	35.22	87.65	0
45.31	24.03	30.16			24.03	30.16	86.14	0
30.99	25.24	27.65	26.48	30.14	22.76	22.67	54.17	0
19.13	27.53	18.49	28.34	16.29	25.91	22.90	43.49	6
23.67	26.74	19.07	30.93	18.98	18.36	19.23	43.75	1
47.04	30.02	28.99	36.77	36.04	16.53	14.89	89.01	0
23.96	25.29	20.29	29.03	22.65	17.83	15.57	32.33	0
39.08	21.08	22.39			21.08	22.39	80.30	30
20.93	20.51	10.52			20.51	10.52	32.27	31
67.02	20.67	23.89	22.55	33.22	16.91	5.23	82.19	23
39.41	20.50	22.06	23.25	27.19	15.00	11.81	46.00	7
25.89	22.73	21.81	26.45	26.28	15.29	12.87	45.70	7
21.00	22.89	10.64	26.83	12.05	14.99	7.82	45.60	29
17.54	20.77	21.00	24.10	22.76	14.13	17.48	45.60	0
22.62	23.15	23.96			23.15	23.96	77.44	0
16.95	21.21	10.42			21.21	10.42	28.49	24
27.27	22.91	35.29	26.42	42.99	15.88	19.90	362.97	0
33.62	31.33	46.12	34.76	59.63	24.48	19.12	355.02	0
33.59	23.23	23.01	25.34	25.74	19.02	17.56	35.91	0
35.27	24.52	24.97	27.14	28.77	19.30	17.39	39.24	0
17.43	22.83	16.01	24.47	16.98	19.56	14.07	66.19	10

20.17	20.88	21.98			20.88	21.98	66.19	2
32.00	24.35	18.55			24.35	18.55	45.92	23
19.22	23.32	10.61	25.94	15.21	18.08	1.43	21.60	41
20.86	21.95	23.83	25.58	26.90	14.68	17.69	82.63	9
34.50	22.00	24.35	25.37	27.86	15.26	17.35	54.63	0
35.89	22.86	28.68	26.18	32.01	16.22	22.01	54.42	0
18.72	28.67	14.35	31.89	19.53	22.24	4.01	50.40	53
59.89	26.74	34.50			26.74	34.50	85.13	0
41.62	22.24	32.40			22.24	32.40	184.64	0
24.39	23.48	21.20			23.48	21.20	52.21	0
50.97	29.05	30.06	33.71	37.22	19.73	15.74	82.50	9
59.83	24.47	48.52	26.51	43.91	20.40	57.75	87.98	0
44.02	26.76	31.13	29.81	34.87	20.65	23.66	46.69	0
31.24	29.18	31.59	33.08	35.62	21.39	23.52	91.75	0
106.61	29.23	70.85			29.23	70.85	239.57	0
38.27	23.16	25.14			23.16	25.14	69.74	1
33.89	27.62	27.92	29.95	30.10	22.96	23.55	49.14	0
19.82	25.23	21.08	28.00	21.81	19.69	19.62	35.59	1
19.65	25.03	22.02	27.35	22.11	20.38	21.83	32.25	0
19.93	25.15	20.85	29.05	21.62	17.35	19.33	32.00	2
23.36	23.99	21.37	26.92	23.94	18.12	16.24	34.76	8
21.93	24.13	22.38			24.13	22.38	47.31	0
18.23	24.64	9.45			24.64	9.45	23.59	39
29.25	23.71	22.71	27.49	23.10	16.15	21.94	87.05	0
19.37	21.77	19.38	24.17	19.27	16.97	19.58	46.81	0
22.25	25.40	22.37	29.34	24.58	17.53	17.93	39.38	3
36.37	25.53	26.42	27.07	29.46	22.44	20.33	46.99	0
31.42	23.94	26.18	26.64	27.63	18.55	23.28	41.86	0
20.25	27.02	13.67			27.02	13.67	30.45	22
20.64	27.88	12.24			27.88	12.24	21.64	20
36.98	42.20	15.33	54.19	27.63	18.21	-9.29	48.05	26
33.11	26.88	28.31	29.81	28.68	21.02	27.58	52.79	0
28.87	24.77	31.50	27.47	32.33	19.35	29.84	89.41	0
57.87	28.21	45.27	31.03	53.04	22.56	29.73	107.78	0
34.41	27.77	27.43	30.24	27.91	22.84	26.49	44.39	0
20.46	22.56	20.69			22.56	20.69	45.01	0
32.17	25.51	22.46			25.51	22.46	42.45	0
27.44	26.63	26.01	29.72	28.69	20.46	20.64	44.46	0
36.69	26.65	24.30	29.06	24.41	21.81	24.09	44.58	0
28.07	27.19	23.87	30.27	23.42	21.03	24.76	60.39	0
46.84	28.52	33.18	31.15	36.28	23.27	26.99	49.86	0
41.01	36.01	31.38	41.72	35.17	24.59	23.79	67.39	0
46.24	30.86	36.31			30.86	36.31	84.41	0
60.48	39.18	48.26			39.18	48.26	99.42	0
53.58	53.97	40.66	65.59	43.70	30.73	34.59	79.69	0
59.48	50.67	44.59	61.41	46.21	29.20	41.36	88.21	0
69.67	33.00	50.24			33.00	50.24	88.80	0

237.70	39.97	93.54	47.21	122.85	25.50	34.94	326.59	0
27.38	31.90	36.83	34.73	34.66	26.23	41.16	66.69	0
21.53	26.11	18.15			26.11	18.15	25.97	0
39.08	24.10	16.25			24.10	16.25	54.73	26
61.39	30.45	26.96	36.51	33.00	18.35	14.89	83.32	4
59.74	37.52	33.28	44.17	37.68	24.21	24.48	66.51	0
41.40	28.52	33.74	30.98	36.36	23.59	28.50	54.08	0
55.68	29.71	28.92	32.73	30.41	23.67	25.95	63.03	0
66.62	30.05	38.51	34.22	45.92	21.71	23.70	73.35	0
34.81	27.37	26.24			27.37	26.24	55.89	1
53.64	33.45	33.70			33.45	33.70	81.45	0
88.81	42.55	49.53	51.49	60.77	24.67	27.06	118.02	0
57.49	38.31	31.92	42.70	34.15	29.52	27.47	66.33	0
31.49	32.99	24.22	37.37	25.49	24.22	21.67	40.00	0
45.55	26.64	27.02	29.73	30.04	20.47	20.99	59.89	0
31.59	29.90	26.34	35.12	29.35	19.46	20.33	73.41	0
26.30	24.73	23.05			24.73	23.05	38.84	0
28.83	26.58	22.15			26.58	22.15	47.42	0
64.67	34.02	40.58	39.18	48.18	23.70	25.39	77.32	0
45.73	32.25	36.00	36.47	41.64	23.79	24.71	90.90	0
51.40	30.32	35.05	33.39	39.17	24.17	26.81	56.71	0
37.18	34.38	27.11	39.59	30.25	23.96	20.83	40.99	0
38.94	35.78	27.79	42.16	33.21	23.02	16.93	47.91	3
44.53	30.77	34.40			30.77	34.40	57.56	0
27.71	26.67	23.96			26.67	23.96	40.70	0
21.15	32.08	20.60	37.39	21.12	21.46	19.55	25.20	0
49.53	29.84	29.59	33.68	34.16	22.16	20.46	58.33	0
36.19	33.46	30.14	38.83	33.58	22.72	23.28	52.45	0
49.43	41.87	37.71	49.44	44.03	26.72	25.09	84.83	0
47.73	40.98	37.23	47.30	41.79	28.32	28.11	82.25	0
48.59	32.07	34.03			32.07	34.03	63.72	0
258.98	35.00	45.87			35.00	45.87	303.56	11
127.82	49.33	76.56	60.91	101.63	26.17	26.42	299.80	0
90.02	59.44	56.02	72.58	65.36	33.16	37.34	164.53	0
97.91	49.78	48.71	57.38	55.63	34.59	34.89	114.25	0
59.11	44.73	40.74	52.69	45.63	28.82	30.96	82.48	0
53.86	34.25	38.71	38.66	45.33	25.43	25.45	63.82	0
43.44	29.66	43.56			29.66	43.56	83.68	0
45.44	32.66	36.78			32.66	36.78	109.84	0
30.09	37.90	25.81	42.44	27.18	28.80	23.06	56.41	0
37.93	35.91	24.32	41.52	34.77	24.69	3.41	59.09	11
47.65	38.89	32.38	45.90	35.68	24.89	25.79	59.94	0
35.65	46.53	33.01	55.10	35.54	29.39	27.95	49.12	0
50.87	38.94	36.82	43.37	40.63	30.07	29.19	57.03	0
36.71	34.50	32.55			34.50	32.55	55.64	0
31.49	24.43	24.99			24.43	24.99	35.30	0
32.29	28.20	25.65	31.50	28.45	21.60	20.04	36.37	0

28.07	26.14	26.63	28.52	28.96	21.40	21.98	39.91	0
30.36	32.94	26.47	37.05	28.59	24.74	22.22	41.75	0
27.61	26.94	25.17	29.35	26.57	22.12	22.38	49.52	0
34.79	30.27	25.08	33.65	27.10	23.52	21.06	71.44	0
28.29	27.60	24.46			27.60	24.46	40.83	0
38.37	28.28	25.44			28.28	25.44	62.00	8
98.29	40.13	60.07	46.87	72.13	26.64	35.97	135.55	0
188.21	63.57	93.76	80.37	121.17	29.97	38.94	295.35	0
139.68	95.27	73.55	123.40	92.87	39.02	34.91	245.84	0
57.44	48.44	45.44	54.43	51.13	36.46	34.07	67.38	0
38.89	31.47	32.67	34.28	35.73	25.85	26.56	47.98	0
26.85	28.79	25.47			28.79	25.47	47.22	0
41.75	28.72	28.81			28.72	28.81	50.85	0
2493.15	38.93	266.47			38.93	266.47	2716.70	0
80.09	62.84	62.41	73.17	65.66	42.17	55.92	141.95	0
104.57	50.23	57.62	59.99	63.92	30.69	45.01	316.53	0
75.21	52.75	45.40	64.04	52.00	30.16	32.22	109.34	0
41.81	33.90	34.60	37.15	36.73	27.39	30.35	52.16	0
24.76	27.26	25.11			27.26	25.11	44.22	0
27.72	24.53	22.52			24.53	22.52	53.06	1
23.48	29.34	20.54	33.14	25.63	21.73	10.36	51.18	6
25.90	32.08	18.79	35.90	20.59	24.45	15.19	31.64	5
32.27	30.92	25.54	34.59	28.10	23.60	20.43	35.88	0
46.50	30.34	34.97	33.77	40.25	23.49	24.40	53.87	0
66.36	29.49	40.41	32.00	47.79	24.47	25.65	67.30	0
67.87	31.01	43.23			31.01	43.23	88.40	0
241.96	34.30	69.60			34.30	69.60	548.55	0
73.13	41.74	53.81	48.36	53.33	28.51	54.76	243.97	0
52.95	41.13	45.93	45.50	52.09	32.40	33.59	71.10	0
49.33	33.19	36.60	35.07	41.66	29.45	26.50	60.20	0
52.54	34.37	40.09	38.82	46.14	25.48	28.01	68.59	0
30.14	38.48	26.63	42.22	26.66	31.00	26.57	37.76	0
20.88	38.89	25.97			38.89	25.97	206.77	0
41.22	27.38	21.47			27.38	21.47	41.63	0
23.59	26.93	17.54	30.76	20.74	19.26	11.14	30.06	3
23.28	28.57	22.01	33.00	25.84	19.71	14.35	57.84	5
35.38	36.12	24.28	41.87	29.27	24.61	14.29	43.59	16
75.93	29.63	37.37	32.21	41.71	24.46	28.69	101.67	0
41.31	31.39	30.95	33.93	33.67	26.31	25.50	64.64	0
42.31	27.07	20.27			27.07	20.27	60.87	18
57.90	23.34	22.02			23.34	22.02	66.56	11
60.95	43.36	45.24	48.26	51.90	33.55	31.93	73.27	0
44.33	44.41	41.47	46.99	41.18	39.25	42.03	86.78	0
37.04	45.74	30.75	50.64	33.75	35.92	24.75	44.37	2
55.08	42.06	36.11	47.65	40.57	30.89	27.18	64.50	0
79.16	39.14	48.23	43.64	55.52	30.14	33.65	85.34	0
57.48	31.76	48.72			31.76	48.72	247.25	0

59.50	43.30	34.84			43.30	34.84	83.00	0
36.46	38.51	29.29	41.19	32.62	33.14	22.64	50.94	0
53.94	45.83	32.08	54.39	37.38	28.71	21.48	62.84	0
42.74	47.97	39.99	55.19	45.98	33.52	28.02	76.57	0
50.55	36.57	46.76	39.46	51.03	30.79	38.21	78.49	0
62.08	39.26	40.85	40.52	45.42	36.74	31.72	71.34	0
49.61	35.45	33.82			35.45	33.82	63.14	0
66.84	29.06	30.59			29.06	30.59	76.63	0
162.27	36.81	68.44	42.54	81.81	25.35	41.68	187.80	0
56.66	31.82	40.65	33.78	33.93	27.91	54.10	467.94	0
32.50	33.49	30.61	35.71	31.73	29.05	28.38	53.12	0
39.10	38.81	30.53	41.78	32.14	32.89	27.32	88.15	0
47.45	34.28	33.85	35.79	34.19	31.26	33.18	68.93	0
54.22	29.58	39.19			29.58	39.19	81.95	0
72.98	36.22	33.60			36.22	33.60	76.85	0
76.44	43.70	68.74	48.57	83.57	33.96	39.08	479.63	0
80.83	44.52	60.54	46.91	56.75	39.75	68.12	259.25	0
53.28	47.80	39.85	49.35	40.12	44.69	39.30	73.42	0
56.15	44.44	35.52	46.83	38.03	39.66	30.51	63.98	0
46.55	39.42	32.16	41.04	33.18	36.18	30.13	51.76	0
53.20	38.72	41.63			38.72	41.63	74.28	0
59.19	35.14	53.34			35.14	53.34	125.10	0
49.17	36.96	33.47	38.76	36.59	33.36	27.23	54.53	0
40.42	38.70	28.47	39.39	30.49	37.32	24.44	48.77	0
41.51	31.50	27.93	33.20	30.16	28.09	23.47	44.28	0
37.17	32.91	30.89	38.05	35.45	22.63	21.77	54.85	0
35.09	32.73	38.49	35.76	43.51	26.68	28.46	76.55	0
29.80	29.99	26.51			29.99	26.51	51.44	0
30.33	28.81	17.66			28.81	17.66	47.98	16
58.45	37.53	32.54	42.27	42.37	28.05	12.88	72.32	16
46.27	33.61	31.94	37.56	36.26	25.70	23.31	69.43	0
64.19	28.27	34.29	31.44	37.45	21.94	27.98	87.10	0
72.40	33.71	39.44	37.51	45.68	26.11	26.95	87.95	0
33.82	41.79	31.63	44.39	32.45	36.58	29.98	55.69	0
59.82	33.89	30.91			33.89	30.91	71.16	10
44.43	39.61	27.27			39.61	27.27	74.38	7
94.67	41.07	44.55	46.09	52.90	31.05	27.84	117.57	0
70.04	39.31	46.31	45.16	53.53	27.59	31.85	84.49	0
92.25	57.58	37.83	68.17	50.90	36.39	11.68	129.33	30
106.84	82.95	87.00	90.75	104.30	67.36	52.42	169.59	0
92.63	70.03	79.59	72.70	77.31	64.69	84.16	155.74	0
100.66	58.92	60.79			58.92	60.79	127.07	0
220.91	61.73	81.24			61.73	81.24	239.78	0
85.44	76.78	74.37	92.07	79.28	46.20	64.56	126.50	0
72.11	91.99	86.47	103.23	83.27	69.52	92.86	195.74	0
83.47	117.95	80.88	129.45	98.47	94.96	45.70	154.10	0
171.76	106.79	101.74			106.79	101.74	362.44	0

136.79	106.23	91.88	111.76	79.69	95.19	116.26	205.51	0
68.61	91.06	57.54			91.06	57.54	120.61	0
110.51	58.56	67.85			58.56	67.85	130.16	0
84.18	76.52	76.72	84.39	77.45	60.79	75.28	229.72	0
80.57	51.52	51.85	54.35	57.25	45.86	41.03	96.34	0
69.75	54.42	49.08	59.12	53.81	45.02	39.62	92.72	0
73.21	53.74	53.16	59.96	56.42	41.30	46.66	87.99	0
89.69	59.09	72.24	64.28	84.66	48.70	47.38	122.34	0
60.46	57.59	43.35			57.59	43.35	71.41	0
96.19	46.38	67.67			46.38	67.67	107.90	0
77.27	45.21	51.23	51.55	54.61	32.54	44.46	152.30	0
80.75	67.80	51.87	79.36	58.40	44.66	38.81	117.17	0
73.69	80.68	54.67	81.00	56.03	80.04	51.94	88.26	0
51.48	57.38	37.42	58.54	39.09	55.07	34.08	73.83	0
50.92	56.83	32.62	62.06	39.07	46.36	19.73	53.60	13
77.84	52.53	47.38			52.53	47.38	100.28	0
94.13	47.80	63.27			47.80	63.27	137.87	0
89.68	62.98	63.03	69.42	63.45	50.10	62.19	158.29	0
142.72	69.79	94.95	70.85	95.25	67.67	94.34	186.45	0
89.01	75.72	72.99	82.38	68.20	62.40	82.57	152.85	0
102.93	78.34	69.94	83.10	74.98	68.81	59.86	162.81	0
49.31	58.42	47.21	59.29	46.06	56.68	49.50	77.53	0
37.53	39.92	30.85			39.92	30.85	55.97	0
44.03	41.86	33.17			41.86	33.17	88.50	0
54.24	49.21	40.21	56.77	46.95	34.10	26.73	75.58	0
53.76	50.58	41.33	59.33	46.14	33.08	31.71	62.07	0
39.19	44.66	39.17	47.06	39.21	39.87	39.08	148.74	0
46.27	40.68	36.33	39.56	34.75	42.93	39.50	85.33	0
26.16	31.17	27.90	33.67	30.40	26.16	22.91	47.41	0
31.99	26.53	19.74			26.53	19.74	36.17	15
51.54	27.02	32.46			27.02	32.46	58.53	1
34.87	40.32	33.59	45.91	36.44	29.15	27.90	62.85	0
26.23	36.36	24.55			36.36	24.55	47.68	0
44.25	43.97	29.35	48.47	32.61	34.96	22.84	59.46	0
38.46	37.50	23.77	41.14	25.52	30.22	20.27	55.27	0
39.13	28.09	28.38	30.06	32.25	24.16	20.63	51.70	0
24.96	23.17	10.92			23.17	10.92	35.72	37
39.51	30.13	24.06			30.13	24.06	85.82	8
29.49	30.21	32.09	33.05	27.23	24.53	41.81	101.58	0
25.10	24.55	14.33			24.55	14.33	62.06	13
40.45	33.24	26.49	37.19	31.24	25.33	17.00	79.23	5
28.15	34.81	28.54	35.62	30.52	33.17	24.59	60.67	0
28.43	24.91	23.45	25.20	23.37	24.32	23.59	45.96	0
27.93	27.59	24.37			27.59	24.37	63.36	0
39.87	23.19	25.65			23.19	25.65	58.39	0
28.68	28.89	22.14	30.30	24.91	26.07	16.60	36.84	0
40.19	27.86	31.15	29.84	35.19	23.90	23.08	51.42	0

30.17	27.93	25.94	31.38	28.87	21.02	20.06	48.11	0
60.38	32.18	38.97	37.55	47.78	21.43	21.35	67.50	6
54.12	47.93	50.52	50.92	49.02	41.96	53.53	117.15	0
67.30	53.69	55.40			53.69	55.40	85.93	0
102.28	50.45	52.61			50.45	52.61	115.24	0
100.32	54.14	70.21	56.27	76.73	49.90	57.17	151.11	0
147.41	63.97	93.00	64.44	95.46	63.03	88.08	159.09	0
95.65	70.59	72.67	71.16	72.64	69.47	72.74	154.03	0
101.42	98.84	57.61	100.68	68.01	95.17	36.81	106.41	0
77.76	69.54	66.95	73.06	71.35	62.49	58.15	114.77	0
115.53	84.03	65.70			84.03	65.70	143.74	0
90.53	88.86	78.73			88.86	78.73	178.38	2
161.27	116.61	109.73	127.58	135.40	94.68	58.40	190.50	0
127.91	106.42	115.81	104.86	109.55	109.54	128.35	194.15	0
71.95	65.85	68.83	64.53	63.26	68.49	79.97	123.17	0
37.62	36.49	29.64	41.15	33.98	27.18	20.97	51.08	10
61.99	44.98	29.47	51.74	38.77	31.46	10.86	73.03	30
61.40	53.47	42.02			53.47	42.02	74.85	4
49.33	40.14	35.76			40.14	35.76	92.61	11
134.93	67.51	50.87	79.80	64.87	42.94	22.89	187.17	17
90.14	75.25	87.25	72.34	77.17	81.08	107.41	174.32	0
66.68	86.27	38.27	98.53	50.37	61.73	14.07	78.70	18
67.41	89.04	55.73	96.36	59.35	74.39	48.50	80.02	0
63.88	53.56	53.84	54.61	52.19	51.45	57.15	153.42	0
34.23	46.74	59.14			46.74	59.14	154.76	0
32.72	39.11	36.62			39.11	36.62	80.29	0
34.09	39.27	28.08	42.42	29.40	32.97	25.45	62.63	0
19.94	24.39	14.24	24.86	16.95	23.44	8.84	24.56	8
36.10	28.30	21.64	33.28	25.74	18.34	13.45	51.58	4
31.03	23.37	25.80	24.92	27.68	20.28	22.04	69.57	0
37.05	24.59	32.29	26.45	31.84	20.86	33.19	80.04	0
52.08	31.90	31.27			31.90	31.27	57.91	0
89.10	34.68	37.57			34.68	37.57	100.71	0
45.08	40.87	33.94	44.75	35.44	33.10	30.95	62.65	0
59.67	46.40	40.39	48.67	45.58	41.87	30.00	102.17	0
74.05	31.13	45.56	34.11	51.44	25.18	33.81	82.67	0
43.43	32.42	34.70	33.51	33.87	30.23	36.36	81.82	0
45.83	32.68	40.13	34.07	42.37	29.89	35.64	84.19	0
39.90	28.94	18.48			28.94	18.48	56.00	0
51.70	27.53	23.63			27.53	23.63	76.93	0
45.16	31.49	37.84	34.97	44.41	24.53	24.72	71.57	0
28.66	31.78	25.51	33.00	25.20	29.35	26.13	56.11	0
63.77	30.25	45.03	31.30	49.31	28.14	36.46	91.61	0
53.28	31.45	42.96	31.56	43.45	31.24	41.97	133.68	0
36.66	32.68	31.43	35.77	32.45	26.50	29.39	63.15	0
48.15	32.17	29.20			32.17	29.20	55.45	0
67.69	26.84	40.51			26.84	40.51	83.78	0



98.96	37.33	49.49	41.49	50.47	29.01	47.54	116.40	0
65.99	47.58	47.94	49.26	45.72	44.24	52.36	170.29	0
80.94	58.73	47.87	61.85	50.73	52.50	42.15	109.20	0
77.57	55.11	63.00	52.77	54.95	59.81	79.11	136.59	0
75.26	53.30	51.95	53.73	50.91	52.44	54.02	101.99	0
72.84	63.89	69.33			63.89	69.33	134.69	0
148.09	60.70	80.39			60.70	80.39	176.03	0
95.19	66.38	58.29	67.75	60.68	63.65	53.52	112.25	0
87.92	68.66	57.64	70.25	62.61	65.49	47.70	104.78	0
65.68	64.32	66.32	66.46	56.04	60.04	86.87	251.03	0
66.21	57.22	49.52	56.89	48.70	57.88	51.18	80.24	0
56.30	43.61	47.97	44.42	48.98	42.01	45.95	82.40	0
60.33	41.23	37.72			41.23	37.72	74.10	0
66.97	38.11	43.62			38.11	43.62	79.70	0
39.89	33.19	39.63	37.14	33.39	25.29	52.09	209.01	0
27.08	36.01	26.56	37.76	27.75	32.50	24.19	50.21	0
38.85	35.12	34.11	36.59	35.30	32.18	31.74	80.40	0
40.19	30.43	30.12	31.54	29.46	28.21	31.46	55.22	0
23.87	25.39	23.99	27.09	24.39	21.99	23.17	37.43	0
41.06	24.50	21.83			24.50	21.83	70.96	0
49.55	28.79	23.00			28.79	23.00	63.75	0
44.25	35.95	33.76	39.85	35.47	28.16	30.33	76.65	0
41.79	37.53	34.83	39.01	36.28	34.57	31.95	132.04	0
60.48	30.85	33.67	31.57	34.94	29.43	31.13	63.51	0
26.25	31.79	25.40	33.82	25.22	27.73	25.75	39.99	0
35.41	28.45	29.82	30.96	33.21	23.41	23.04	54.85	0
29.89	26.86	24.44			26.86	24.44	42.75	0
41.99	25.10	20.13			25.10	20.13	77.20	11
42.55	28.48	26.58	31.68	29.74	22.08	20.26	46.97	3
36.81	29.59	27.05	30.49	28.14	27.79	24.87	55.68	0
47.56	31.12	30.46	31.93	29.17	29.50	33.04	61.18	0
26.13	25.73	22.91	25.46	23.09	26.27	22.56	53.72	0
40.07	26.15	27.93	28.59	31.66	21.28	20.48	78.60	0
20.80	25.90	21.50			25.90	21.50	44.65	0
31.78	23.21	22.51			23.21	22.51	49.88	0
31.54	26.50	21.96	28.84	22.65	21.84	20.58	59.77	2
38.97	27.55	27.27	28.26	28.26	26.13	25.27	56.12	0
40.46	26.08	26.64	27.49	28.16	23.27	23.60	56.07	0
35.50	24.47	25.15	25.74	24.02	21.94	27.40	84.83	0
36.05	29.44	27.28	30.36	26.05	27.61	29.75	69.57	0
38.90	26.70	32.82			26.70	32.82	70.30	0
36.23	26.46	24.65			26.46	24.65	46.95	0
37.85	35.05	33.59	39.42	39.52	26.30	21.75	79.08	0
67.52	33.87	43.88	37.82	45.50	25.96	40.66	247.18	0
40.03	35.86	36.42	37.78	34.70	32.01	39.84	81.05	0
33.19	32.55	31.22	33.20	31.89	31.24	29.88	187.28	0
45.39	30.33	33.85	31.60	36.19	27.79	29.16	59.70	0

40.40	26.42	27.44			26.42	27.44	61.34	0
30.77	25.68	21.53			25.68	21.53	41.05	0
20.84	27.18	19.78	29.70	22.02	22.14	15.31	30.39	0
38.99	24.35	24.77	25.78	26.42	21.48	21.47	47.25	0
35.30	26.96	26.16	28.47	27.80	23.93	22.87	58.57	0
33.83	26.64	27.90	28.19	30.26	23.55	23.17	43.97	0
20.40	21.79	22.83	23.32	24.43	18.74	19.63	65.89	0
51.13	23.36	33.53			23.36	33.53	68.98	0
36.77	21.58	22.93			21.58	22.93	60.00	0
60.15	26.46	29.59	29.75	35.83	19.88	17.12	71.61	0
21.61	23.57	24.49	25.31	26.00	20.09	21.47	46.65	0
30.77	25.14	23.08	26.06	23.78	23.30	21.69	45.42	0
31.02	24.01	22.52	25.41	23.17	21.22	21.23	37.28	0
25.50	25.15	21.76	27.25	23.51	20.97	18.26	37.28	0
19.32	24.61	19.44			24.61	19.44	52.74	0
33.66	24.00	23.84			24.00	23.84	41.71	0
27.39	26.00	21.13	27.36	21.11	23.29	21.19	49.13	0
24.99	25.08	21.67	27.43	23.14	20.37	18.71	35.43	0
33.64	27.59	28.41	30.45	31.48	21.86	22.28	61.38	0
24.92	27.59	25.47	30.49	27.96	21.78	20.51	38.49	0
23.02	26.44	24.55	28.06	25.93	23.21	21.79	36.93	0
29.90	25.51	24.99			25.51	24.99	47.16	0
35.16	23.60	26.59			23.60	26.59	42.74	0
23.72	22.98	20.03	24.76	20.87	19.42	18.33	45.74	0
31.72	23.99	20.90	26.23	23.23	19.52	16.24	38.89	0
35.17	22.39	20.67	24.43	21.67	18.32	18.66	37.42	0
24.01	24.32	18.74	27.03	20.56	18.90	15.09	40.74	0
33.32	24.11	27.11	26.98	30.68	18.35	19.98	46.90	0
27.54	20.74	17.98			20.74	17.98	46.84	12
32.89	22.60	23.47			22.60	23.47	51.20	0
34.78	26.39	23.80	30.35	26.23	18.48	18.96	48.99	0
33.38	25.87	25.23	27.52	26.16	22.56	23.36	77.24	0
44.37	24.78	26.77	25.73	26.56	22.87	27.19	60.45	0
50.87	24.38	26.17	25.15	27.99	22.83	22.51	57.57	0
36.75	24.82	32.82	26.94	36.78	20.58	24.90	89.90	0
42.45	21.34	27.38			21.34	27.38	67.94	0
39.77	22.85	24.89			22.85	24.89	67.41	0
38.90	30.01	26.67	33.95	28.96	22.15	22.09	45.75	0
30.38	23.07	22.96	23.70	22.98	21.80	22.92	44.95	0
30.58	22.16	23.23	24.79	26.87	16.89	15.94	45.41	1
20.57	24.86	21.43	26.90	22.00	20.78	20.30	55.28	0
19.76	23.44	19.48	25.63	20.72	19.08	16.99	38.26	0
17.48	23.08	18.53			23.08	18.53	33.35	0
17.32	25.39	3.89			25.39	3.89	23.63	66
36.90	22.44	20.45			22.44	20.45	57.37	0
37.25	24.79	28.75	26.87	31.46	20.63	23.32	45.61	0
21.50	26.01	20.72	27.93	21.15	22.18	19.86	35.52	0

17.14	22.72	16.08	23.79	17.00	20.60	14.23	20.94	6
25.92	20.91	21.65	22.98	27.82	16.78	9.32	72.53	12
36.64	20.03	22.85			20.03	22.85	61.44	0
39.48	20.93	25.87			20.93	25.87	48.14	0
37.48	22.94	27.78	24.89	31.25	19.04	20.84	46.83	0
17.46	23.65	15.21	25.21	14.71	20.52	16.21	21.00	6
21.32	25.01	19.30	27.56	20.74	19.92	16.42	30.38	0
21.87	23.66	19.86	25.85	21.32	19.27	16.94	30.43	0
23.31	21.12	20.69	23.08	23.56	17.21	14.94	42.50	0
35.75	20.94	22.76			20.94	22.76	40.04	0
45.22	20.86	22.96			20.86	22.96	85.20	0
32.37	23.00	27.16	26.41	31.37	16.18	18.75	47.95	0
47.50	23.17	29.36	25.03	29.68	19.45	28.73	140.06	0
19.98	21.85	17.43	24.00	18.15	17.55	15.99	46.01	1
24.78	22.11	20.88	24.81	22.82	16.72	16.99	46.70	0
18.24	20.12	16.04	21.99	18.07	16.36	11.98	24.21	2
16.63	19.24	15.83			19.24	15.83	20.14	0
19.01	22.61	17.13			22.61	17.13	34.79	7
18.65	24.03	17.92	26.56	18.74	18.96	16.26	27.11	0
30.42	21.97	23.23	24.12	25.85	17.67	17.99	45.48	0
63.88	22.33	30.60	24.76	36.78	17.49	18.23	74.50	0
35.93	24.55	30.95	27.80	34.75	18.04	23.35	81.87	0
17.85	23.21	18.92	24.42	18.65	20.78	19.46	29.46	0
17.28	18.17	13.84			18.17	13.84	22.05	2
30.39	17.42	15.68			17.42	15.68	50.03	17
39.86	21.70	27.14	24.33	30.22	16.43	20.99	51.22	0
28.79	24.35	24.48	25.99	25.44	21.07	22.58	53.48	0
21.44	22.16	20.24	23.86	20.80	18.74	19.13	46.71	0
21.90	23.72	19.44	26.86	21.08	17.44	16.16	33.82	0
45.69	24.90	27.53	28.21	31.87	18.29	18.86	56.19	0
51.10	24.03	35.60			24.03	35.60	263.89	0
27.62	20.27	27.27			20.27	27.27	213.09	0
29.48	23.42	22.06	25.89	22.92	18.48	20.32	44.59	0
23.60	26.54	21.00	30.36	21.98	18.91	19.03	48.08	0
24.90	27.83	23.29	31.10	24.17	21.28	21.54	64.53	0
28.36	27.30	24.66			27.30	24.66	48.38	0
56.88	26.92	29.54	30.35	33.99	20.05	20.64	91.85	0
41.74	28.38	37.85			28.38	37.85	96.68	0
29.34	22.69	22.54			22.69	22.54	48.74	0
28.05	23.70	22.69	26.59	23.15	17.94	21.76	46.47	0
33.15	28.91	24.17	33.61	25.92	19.53	20.67	48.05	0
48.49	32.21	33.03	37.82	37.10	20.99	24.90	65.83	0
38.60	34.42	30.69	39.20	30.76	24.85	30.54	57.86	0
31.20	36.67	27.15	42.84	28.62	24.32	24.20	39.14	0
36.07	27.58	29.88			27.58	29.88	60.58	0
121.81	23.57	47.36			23.57	47.36	164.92	0
41.88	23.65	26.76	25.76	29.02	19.43	22.22	64.39	0

51.34	32.45	32.25	38.02	37.66	21.31	21.43	71.93	0
55.15	33.89	32.21	38.45	36.47	24.78	23.69	58.42	0
25.12	29.66	24.26	32.10	24.94	24.78	22.88	34.77	0
28.28	32.34	18.17	38.49	25.30	20.05	3.92	44.62	16
28.46	41.14	29.92			41.14	29.92	71.98	0
40.41	43.78	40.26			43.78	40.26	148.70	0
42.45	30.86	29.90	33.69	29.48	25.21	30.73	69.60	0
21.80	25.14	20.54	27.58	22.16	20.25	17.32	49.49	0
29.14	24.51	24.33	27.81	28.44	17.90	16.12	81.25	0
58.24	25.22	26.95	28.76	31.66	18.14	17.51	74.71	0
32.71	27.74	28.40	31.64	30.25	19.94	24.71	67.27	0
43.43	23.67	30.35			23.67	30.35	51.44	0
61.84	26.83	39.04			26.83	39.04	110.36	0
68.02	34.52	44.87	41.30	52.07	20.96	30.48	78.11	0
41.80	40.27	37.61	48.25	42.16	24.32	28.50	73.56	0
43.04	34.17	30.61	39.50	29.81	23.52	32.23	52.00	0
30.76	32.11	23.98	36.36	27.15	23.61	17.63	53.11	0
71.23	27.27	26.70	31.54	31.02	18.75	18.08	98.58	0
43.51	29.61	30.79			29.61	30.79	76.12	0
62.49	26.66	31.16			26.66	31.16	70.99	0
42.69	27.38	24.57	31.22	27.99	19.70	17.72	56.95	0
20.75	29.13	19.44	34.52	21.67	18.37	14.99	32.44	0
25.90	31.68	21.66	37.32	24.38	20.39	16.22	32.66	0
31.38	27.99	23.47	32.27	26.62	19.41	17.15	82.52	0
22.00	26.28	18.90	30.24	20.08	18.36	16.53	32.50	0
21.95	22.36	19.68			22.36	19.68	33.33	0
19.84	19.90	13.38			19.90	13.38	31.08	3
46.62	25.32	22.07	30.73	27.79	14.50	10.61	62.09	8
47.65	26.98	34.49	30.24	38.35	20.45	26.78	76.90	0
39.72	28.42	30.37	31.20	33.61	22.87	23.91	61.82	0
42.41	25.36	31.26	28.49	36.87	19.09	20.06	76.04	0
48.38	25.78	29.25	29.12	34.41	19.11	18.93	54.92	0
44.25	27.58	32.23			27.58	32.23	87.20	0
101.72	30.75	41.61			30.75	41.61	112.68	0
52.18	37.62	29.66	43.19	31.76	26.46	25.45	53.53	0
32.28	30.45	22.30	34.01	24.22	23.31	18.47	35.22	0
29.94	31.36	24.37	36.40	27.48	21.27	18.14	65.19	0
31.54	31.31	29.21	35.73	33.07	22.46	21.48	62.08	0
18.82	24.38	19.82	26.58	19.35	19.99	20.75	48.54	2
14.35	17.52	11.24			17.52	11.24	15.99	9
14.77	17.01	13.41			17.01	13.41	20.58	0
17.88	19.65	14.42	22.70	16.05	13.54	11.16	21.24	0
19.40	20.02	13.51	23.17	17.07	13.71	6.38	20.78	18
23.07	23.26	17.48	26.76	19.79	16.25	12.87	75.47	0
46.93	21.86	24.24	23.58	27.63	18.40	17.47	51.02	0
21.63	23.10	18.67	26.58	19.44	16.13	17.11	45.98	0
40.86	18.07	25.92			18.07	25.92	46.06	0

17.13	19.67	15.73			19.67	15.73	22.42	0
20.04	21.11	16.55			21.11	16.55	33.18	0
33.01	21.38	22.64	23.76	25.60	16.61	16.73	46.51	0
30.70	23.06	19.70	26.37	22.65	16.44	13.81	39.11	0
19.87	20.05	17.92	21.51	18.82	17.12	16.12	23.51	0
21.39	20.93	16.03	22.86	17.26	17.08	13.55	22.20	0
25.72	18.14	15.67			18.14	15.67	39.24	0
37.82	17.87	19.89			17.87	19.89	52.13	0
37.49	20.86	27.32	23.37	31.12	15.85	19.72	56.33	0
26.55	23.64	24.15	26.51	25.60	17.92	21.27	59.83	0
49.19	29.21	29.64	32.24	32.44	23.14	24.04	67.90	0
30.62	26.27	28.28	27.15	26.75	24.52	31.34	90.12	0
18.10	22.88	20.17	24.82	21.67	19.02	17.17	35.87	0
41.20	19.36	22.66			19.36	22.66	67.58	0
44.64	22.10	29.29			22.10	29.29	209.11	0
38.93	23.09	24.76	24.93	27.02	19.41	20.22	51.31	0
25.63	22.21	20.31	24.35	21.62	17.93	17.68	31.17	0
25.36	23.06	18.07	24.49	20.08	20.22	14.06	31.10	0
52.14	23.03	28.56	25.36	31.90	18.38	21.89	75.67	0
17.00	22.08	18.51	23.56	18.98	19.11	17.58	46.86	0
25.00	22.08	15.46			22.08	15.46	30.41	5
20.36	21.44	14.50			21.44	14.50	32.06	9
37.44	24.33	26.39	27.35	31.37	18.29	16.43	47.61	0
16.03	20.20	19.79	20.72	18.68	19.17	22.01	46.58	0
23.94	20.36	15.75	22.47	18.65	16.14	9.96	46.70	6
26.61	19.05	19.75	21.06	21.99	15.01	15.27	32.04	0
21.73	18.63	17.28	20.85	18.72	14.19	14.39	38.55	0
26.25	15.77	17.54			15.77	17.54	45.97	0
23.26	16.27	16.13			16.27	16.13	45.47	0
31.89	20.66	19.15	22.74	22.12	16.52	13.20	46.88	0
40.76	21.57	30.69	23.82	35.08	17.08	21.93	62.48	0
42.70	27.47	37.28	29.54	40.60	23.31	30.66	82.58	0
31.54	25.43	24.15	26.43	23.09	23.43	26.27	45.94	0
22.25	20.92	21.25	20.56	19.91	21.65	23.93	44.96	0
23.80	15.86	13.61			15.86	13.61	43.82	0
27.53	13.90	15.01			13.90	15.01	32.71	0
36.08	22.86	23.11	26.66	27.07	15.26	15.19	51.03	0
26.01	21.76	19.52	23.82	21.57	17.64	15.41	38.37	0
25.23	22.83	19.89	25.51	22.63	17.48	14.41	57.43	0
27.38	21.91	22.09	25.29	24.70	15.17	16.88	53.51	0
31.89	24.14	23.82	26.48	26.85	19.47	17.76	59.98	0
22.21	21.09	24.88			21.09	24.88	67.11	0
14.35	18.81	13.19			18.81	13.19	18.23	0
18.29	18.55	14.78	20.56	16.03	14.54	12.30	23.57	0
35.94	19.20	22.81	21.30	24.11	14.99	20.21	76.81	0
26.98	20.00	21.30	20.82	22.59	18.38	18.72	44.80	0
29.54	20.99	18.29	22.26	20.02	18.47	14.85	37.13	0

40.80	18.72	25.82	20.26	28.28	15.65	20.89	59.95	0
35.44	20.29	25.43			20.29	25.43	59.72	0
37.33	21.24	23.92			21.24	23.92	53.51	0
21.25	21.08	19.71	23.51	18.50	16.22	22.12	79.90	0
17.94	22.69	16.57	23.99	17.76	20.07	14.20	27.88	0
19.75	18.51	13.39	20.89	14.59	13.76	10.99	33.52	0
38.61	19.42	16.05	22.35	19.78	13.58	8.59	55.90	8
28.87	21.27	15.30	22.88	17.70	18.05	10.51	66.70	1
15.90	16.68	13.08			16.68	13.08	22.18	0
24.26	18.56	19.68			18.56	19.68	59.71	0
24.34	22.47	23.70	25.62	26.80	16.18	17.49	55.73	0
21.62	21.51	18.19	23.34	18.93	17.85	16.72	41.32	0
19.34	21.47	18.54	23.83	20.21	16.76	15.21	35.09	0
19.56	21.35	16.48	24.32	18.90	15.40	11.63	26.21	0
33.49	19.15	19.58	20.61	21.44	16.22	15.84	39.69	0
36.10	20.29	20.47			20.29	20.47	54.30	0
42.94	21.99	17.39			21.99	17.39	60.53	2
23.59	28.20	16.03	31.21	18.31	22.18	11.48	40.34	0
30.66	22.78	21.46	25.84	28.14	16.67	8.11	43.18	11
48.70	21.59	25.75	23.62	28.10	17.54	21.06	59.83	3
70.09	32.98	48.39	36.63	58.19	25.68	28.78	89.92	0
100.21	38.59	45.41	41.37	45.90	33.02	44.44	150.41	0
42.10	31.85	31.80			31.85	31.80	100.03	0
40.44	26.48	29.79			26.48	29.79	61.35	0
34.66	28.46	28.53	30.17	26.43	25.03	32.75	101.87	0
53.11	37.14	39.93	42.38	47.94	26.66	23.90	82.04	0
124.72	55.58	73.56	57.64	67.76	51.46	85.18	199.03	0
66.18	49.02	61.62	49.42	62.80	48.23	59.28	145.66	4
24.31	30.13	27.04	29.57	24.72	31.26	31.67	59.95	0
30.74	32.85	21.96			32.85	21.96	33.76	0
55.50	35.29	42.11			35.29	42.11	80.22	0
72.11	40.65	48.75	46.58	53.34	28.78	39.56	106.13	0
56.25	45.16	38.59	47.78	40.18	39.94	35.41	68.29	0
37.97	44.56	40.11	48.14	42.93	37.39	34.47	61.84	0
53.93	36.26	43.31	39.68	38.75	29.41	52.41	401.94	0
58.06	30.71	47.19	32.15	55.41	27.84	30.75	106.63	0
48.68	29.72	46.36			29.72	46.36	124.64	0
30.15	39.24	29.77			39.24	29.77	41.52	0
33.12	34.17	28.45	36.89	28.94	28.74	27.46	51.28	0
36.40	30.15	32.04	32.55	36.52	25.35	23.08	67.57	0
43.87	31.55	27.71	35.63	30.53	23.40	22.07	59.82	0
41.75	23.43	24.73			23.43	24.73	50.80	0
49.94	25.26	28.60	27.48	31.77	20.82	22.26	64.39	0
50.56	27.79	27.85			27.79	27.85	65.46	0
55.40	35.54	36.14			35.54	36.14	70.49	0
38.17	37.92	30.35	43.69	35.87	26.38	19.30	60.38	0
46.35	41.03	36.65	45.84	41.91	31.41	26.13	65.17	0

66.70	37.03	48.58	39.35	54.26	32.41	37.21	76.31	0
70.77	36.81	46.98	38.18	49.78	34.06	41.39	90.02	0
49.21	38.56	42.58	41.21	46.94	33.26	33.86	60.02	0
51.75	37.25	33.60			37.25	33.60	80.76	0
41.38	32.62	32.56			32.62	32.56	52.92	0
25.78	30.87	29.02	33.38	31.00	25.84	25.08	50.13	0
25.80	22.86	17.44	25.54	20.88	17.48	10.54	31.75	5
53.17	31.93	27.14	37.41	34.11	20.98	13.22	63.57	4
48.88	35.77	35.84	39.41	41.39	28.48	24.75	74.70	0
42.23	31.47	32.83	31.50	34.74	31.41	29.01	59.96	0
31.32	23.14	19.66			23.14	19.66	39.87	0
47.64	21.65	26.80			21.65	26.80	53.29	0
82.53	30.57	49.29	35.41	58.89	20.90	30.09	94.08	0
152.23	42.89	83.64	46.08	100.28	36.51	50.36	177.47	0
125.78	81.54	94.88	86.33	99.18	71.97	86.29	162.19	0
128.00	111.94	107.09	117.14	112.50	101.54	96.29	154.89	0
228.88	104.70	136.48	105.77	143.08	102.58	123.27	277.19	0
84.76	82.42	61.74			82.42	61.74	97.16	0
104.43	58.97	73.99			58.97	73.99	149.27	0
39.33	49.91	43.31	49.21	42.60	51.31	44.73	85.84	0
27.96	33.48	18.93	36.24	21.88	27.96	13.04	29.31	20
27.28	26.53	15.84			26.53	15.84	39.04	30
26.96	28.54	19.63	32.25	24.72	21.13	9.45	41.73	20
36.61	26.78	32.27	29.43	37.72	21.50	21.36	58.81	0
21.97	21.05	18.61			21.05	18.61	32.43	0
27.84	24.29	20.79			24.29	20.79	38.77	0
35.08	25.55	26.12	28.68	30.01	19.31	18.36	46.92	0
25.26	21.08	21.35	23.08	23.45	17.09	17.15	32.84	0
43.48	21.08	22.35			21.08	22.35	44.37	0
45.15	26.01	24.26	29.67	27.17	18.68	18.44	51.93	0
23.22	24.43	20.06	27.06	21.50	19.19	17.18	27.78	0
31.81	22.17	23.53			22.17	23.53	39.18	0
45.07	20.91	22.58			20.91	22.58	61.95	0
38.97	30.05	30.48	33.84	35.23	22.47	20.98	58.35	0
22.83	25.29	20.65	27.14	21.69	21.60	18.59	29.54	0
33.51	25.42	25.04	27.64	27.94	20.97	19.24	42.24	0
43.43	26.03	28.02	27.83	31.24	22.42	21.58	75.27	0
39.70	21.38	25.45	22.95	28.57	18.23	19.20	78.26	0
16.22	15.64	13.10			15.64	13.10	45.03	3
38.98	19.51	20.52			19.51	20.52	45.02	0
50.20	25.93	31.87	29.20	38.72	19.39	18.18	62.83	0
42.52	25.56	27.10	28.03	29.99	20.61	21.33	51.92	0
26.91	26.18	23.91	28.58	24.29	21.38	23.14	48.38	0
64.88	30.72	28.29	35.36	32.99	21.45	18.91	81.68	0
45.89	45.29	26.42	52.16	30.43	31.54	18.39	50.39	6
131.10	41.11	61.62			41.11	61.62	157.04	0
82.07	33.04	42.10			33.04	42.10	102.22	0

57.61	41.92	37.56	45.60	40.19	34.57	32.29	60.15	0
47.87	45.78	40.11	48.20	40.27	40.95	39.78	100.90	0
27.09	32.67	31.83	30.01	26.63	37.99	42.23	72.86	0
32.55	26.24	24.21	26.11	23.83	26.50	24.97	49.05	0
17.38	20.75	17.75	20.68	17.32	20.90	18.60	32.54	0
26.19	22.62	20.80			22.62	20.80	45.25	0
41.97	18.11	22.50			18.11	22.50	46.07	1
31.35	19.39	18.15	21.00	20.81	16.18	12.85	35.52	2
20.37	20.09	16.79	21.05	18.94	18.15	12.51	45.26	0
20.15	23.25	18.13	24.68	18.40	20.40	17.58	38.53	0
29.37	25.64	22.11	26.87	22.55	23.18	21.25	60.09	0
42.27	21.29	28.43	20.94	30.55	21.98	24.19	92.69	0
32.93	23.92	23.62			23.92	23.62	50.45	0
35.40	21.81	21.36			21.81	21.36	36.59	0
30.06	20.82	21.62	21.11	22.99	20.25	18.89	39.67	0
20.36	22.21	18.01	24.48	18.33	17.68	17.36	39.47	10
22.42	22.04	15.77	25.81	20.43	14.49	6.47	42.06	17
23.35	25.10	24.24	28.12	26.32	19.05	20.09	60.68	0
30.10	26.32	34.02	29.77	39.56	19.41	22.94	85.76	0
22.81	28.94	21.86			28.94	21.86	37.02	0
23.51	26.27	20.31			26.27	20.31	27.48	0
26.63	26.40	22.25	30.26	25.81	18.66	15.14	38.63	0
19.82	24.76	17.14	28.55	19.93	17.19	11.56	29.82	0
28.41	18.97	16.61	20.81	17.16	15.29	15.49	42.41	16
35.02	23.20	23.26	27.25	27.15	15.09	15.48	49.91	1
25.39	27.25	18.25	30.53	18.09	20.69	18.56	87.49	7
21.78	27.06	18.75			27.06	18.75	29.17	0
27.24	23.39	23.79			23.39	23.79	50.99	0
25.14	24.03	20.93	25.86	20.93	20.37	20.91	43.48	0
19.81	24.91	21.38	25.76	22.98	23.22	18.19	33.45	0
26.91	20.71	13.24	23.44	14.79	15.23	10.14	50.08	27
25.17	25.45	20.36	26.95	22.43	22.46	16.21	33.04	0
30.24	27.30	23.52	27.68	24.58	26.54	21.38	48.29	0
37.11	21.02	23.11			21.02	23.11	44.41	3
19.81	20.87	17.34			20.87	17.34	34.31	0
30.46	21.11	21.29	22.09	21.14	19.15	21.58	68.39	0
17.33	21.35	16.73	23.37	17.50	17.31	15.18	28.94	0
27.97	19.04	16.70	21.73	20.49	13.66	9.13	31.15	4
37.74	20.16	23.44	22.27	26.67	15.95	16.98	50.54	0
28.86	20.58	18.92	20.97	19.78	19.81	17.20	33.10	0
24.48	19.91	17.66			19.91	17.66	30.95	0
18.18	17.38	16.98			17.38	16.98	39.25	0
16.43	20.74	19.03	20.81	18.04	20.59	20.99	42.10	0
26.56	19.06	17.84	21.37	20.31	14.44	12.90	32.67	0
19.17	15.62	17.47	17.15	19.10	12.57	14.20	50.74	0
25.21	16.42	15.22	17.74	16.86	13.79	11.95	26.86	3
24.68	19.21	18.42	21.11	19.82	15.39	15.62	33.82	0



29.14	17.99	17.91			17.99	17.91	35.59	0
16.49	17.15	14.13			17.15	14.13	25.89	0
19.06	19.05	14.93	20.54	15.96	16.08	12.87	37.00	0
24.87	15.86	14.91	17.65	18.44	12.29	7.85	37.81	2
31.98	16.93	17.80	19.38	20.97	12.05	11.46	51.96	2
35.06	19.75	26.33	21.10	30.79	17.06	17.41	49.18	0
32.51	18.48	18.20	20.01	19.91	15.43	14.79	38.33	0
23.48	16.19	14.64			16.19	14.64	34.63	6
23.90	16.89	13.16			16.89	13.16	29.28	13
26.79	20.73	19.16	21.92	19.76	18.37	17.96	39.82	0
34.06	18.83	19.48	21.02	22.17	14.43	14.09	36.53	0
26.34	16.70	16.16	17.91	17.01	14.29	14.45	36.24	0
14.38	17.80	13.31	19.31	13.52	14.76	12.89	17.35	0
12.35	14.69	10.62	15.86	11.06	12.33	9.76	16.51	0
20.85	12.39	8.85			12.39	8.85	24.81	30
27.66	15.23	15.16			15.23	15.16	40.86	0
25.74	19.01	19.81	21.22	22.71	14.57	13.99	36.24	0
34.19	16.58	19.88	17.66	20.89	14.43	17.85	50.76	0
15.05	17.31	14.35	18.43	14.40	15.07	14.24	17.28	0
17.54	17.62	12.90	19.38	13.16	14.11	12.38	25.90	0
17.76	14.62	13.67	15.44	14.26	12.98	12.47	56.44	0
34.13	14.05	20.76			14.05	20.76	73.03	0
29.30	15.49	21.76			15.49	21.76	45.65	0
26.74	16.94	21.91	18.91	25.41	13.00	14.91	34.68	0
19.02	17.54	16.07	19.33	16.81	13.95	14.57	30.08	0
41.26	19.12	21.54	20.34	22.74	16.67	19.14	54.66	0
30.19	17.54	23.83	19.11	24.86	14.42	21.77	41.78	0
17.75	19.19	15.35	20.70	15.97	16.18	14.12	25.67	0
29.89	18.05	16.38			18.05	16.38	31.97	0
34.44	17.20	18.63			17.20	18.63	41.92	0
20.68	19.88	16.06	22.36	16.67	14.93	14.82	34.35	0
27.20	19.04	16.90	20.20	17.09	16.74	16.52	33.21	0
22.48	20.70	19.24	22.34	19.41	17.42	18.89	40.35	0
29.64	23.10	22.88	25.83	25.82	17.63	17.00	36.53	0
26.42	18.73	17.35	20.54	18.90	15.11	14.25	34.23	0
27.02	15.73	16.38			15.73	16.38	50.93	0
19.94	14.56	13.99			14.56	13.99	57.54	2
17.81	14.90	13.65	16.14	15.91	12.42	9.13	31.44	3
37.54	14.46	21.77	16.04	24.24	11.30	16.84	57.80	0
17.64	20.95	17.12	22.54	15.89	17.79	19.57	57.80	2
22.28	17.59	14.33	17.81	14.69	17.16	13.61	51.89	3
12.83	16.19	15.95	16.86	16.43	14.85	15.00	26.41	0
27.71	19.35	21.04			19.35	21.04	34.67	0
33.45	17.39	21.97			17.39	21.97	75.56	0
16.04	19.42	15.23	20.88	16.02	16.49	13.65	36.49	0
26.19	17.76	19.02	18.61	20.99	16.05	15.10	30.46	0
17.60	18.39	16.70	19.91	17.78	15.37	14.52	28.83	0

21.01	20.06	20.18	21.53	20.83	17.12	18.89	47.91	0
23.55	21.14	21.25	22.69	23.40	18.05	16.96	36.08	0
30.95	19.34	17.41			19.34	17.41	35.43	3
27.40	19.36	19.84			19.36	19.84	36.73	0
19.83	20.27	17.41	22.54	19.14	15.72	13.94	30.66	0
15.82	17.78	17.09	18.63	17.07	16.07	17.14	31.70	0
26.22	18.33	17.12	19.94	17.89	15.10	15.57	28.33	0
26.25	16.93	16.70	18.35	19.16	14.10	11.78	32.42	0
20.06	17.79	14.79	19.91	15.71	13.56	12.94	26.40	1
28.36	14.86	15.16			14.86	15.16	46.27	22
29.50	16.65	14.11			16.65	14.11	32.81	0
19.50	15.22	14.22	16.34	15.06	12.96	12.53	24.53	0
19.29	15.67	14.91	16.47	15.46	14.07	13.81	30.46	0
19.46	18.46	17.43	20.03	18.10	15.32	16.09	41.34	0
18.28	17.98	15.59	18.56	15.51	16.83	15.74	32.71	0
26.53	15.80	18.48	16.73	20.44	13.95	14.57	33.93	0
21.39	15.33	16.84			15.33	16.84	32.13	0
15.09	14.88	10.54			14.88	10.54	21.09	22
16.49	17.90	13.50	20.06	15.61	13.57	9.27	38.26	8
14.00	14.45	12.82	14.97	12.88	13.40	12.68	22.35	0
20.77	14.42	12.70	14.53	12.60	14.22	12.89	24.50	12
17.91	13.71	14.54	14.31	15.88	12.50	11.86	27.63	2
12.39	14.76	12.38	16.13	12.51	12.01	12.12	25.48	4
25.78	13.61	15.91			13.61	15.91	62.45	0
18.81	13.17	13.64			13.17	13.64	29.37	0
19.21	16.47	17.99	18.45	21.60	12.50	10.77	35.00	0
25.55	17.46	15.20	19.26	15.83	13.86	13.93	27.99	0
26.66	17.00	18.12	17.53	18.88	15.94	16.60	32.54	0
23.25	15.99	18.54	16.50	18.61	14.96	18.42	40.62	0
18.81	17.23	16.73	18.44	17.80	14.80	14.61	28.06	0
17.65	13.95	17.61			13.95	17.61	28.31	0
18.23	13.58	13.19			13.58	13.19	25.94	0
22.21	13.80	13.94			13.80	13.94	24.95	0
35.45	17.23	21.57	19.63	22.81	12.42	19.09	67.28	0
124.43	18.88	37.72	20.59	41.81	15.46	29.55	185.02	0
17.85	19.85	18.94	20.83	18.45	17.89	19.90	68.18	0
28.52	19.70	34.01	21.21	35.51	16.68	31.03	134.47	0
28.89	18.24	43.68			18.24	43.68	226.16	0
26.74	20.51	17.93			20.51	17.93	50.96	0
30.09	17.34	21.81	18.43	24.94	15.14	15.56	41.05	0
18.10	18.43	15.45	19.52	15.93	16.25	14.48	26.05	0
15.92	20.02	15.99	22.30	16.77	15.45	14.43	41.91	0
30.61	22.18	19.39	25.68	21.90	15.16	14.36	42.41	0
17.50	21.60	17.29	24.23	17.40	16.36	17.08	30.21	0
60.45	20.55	31.81			20.55	31.81	151.87	0
29.76	18.31	18.89			18.31	18.89	31.98	0
28.54	17.21	21.32	18.22	22.18	15.19	19.59	55.91	0

48.07	21.91	25.42	24.46	27.87	16.83	20.51	53.02	0
31.02	19.40	22.81	21.44	26.07	15.32	16.29	36.84	0
16.44	18.83	20.65	20.76	22.61	14.97	16.73	38.35	0
20.37	20.53	15.79	23.08	16.24	15.43	14.89	25.44	0
22.98	15.94	17.17			15.94	17.17	28.05	0
24.88	15.65	14.64			15.65	14.64	28.11	0
19.20	18.11	19.45	20.47	21.86	13.40	14.63	67.55	0
28.03	17.25	16.24	18.63	17.49	14.48	13.74	42.31	0
27.60	15.95	18.36	17.47	20.48	12.92	14.14	40.40	0
54.15	18.01	28.27	20.37	34.91	13.30	14.99	73.81	0
33.10	21.37	23.54	24.66	27.74	14.81	15.15	57.86	0
43.18	23.24	26.70			23.24	26.70	59.74	0
54.93	21.76	35.44			21.76	35.44	78.98	0
46.79	25.39	28.99	28.75	31.78	18.68	23.42	50.75	0
40.33	24.97	25.01	29.22	29.03	16.45	16.96	47.07	0
125.93	22.14	43.52	24.76	53.91	16.89	22.73	360.63	0
20.09	20.33	18.26	22.55	18.41	15.87	17.95	31.25	0
21.12	22.76	17.71	26.09	19.46	16.09	14.20	29.52	0
14.00	19.83	14.66			19.83	14.66	33.30	0
17.88	20.90	15.30			20.90	15.30	31.04	0
23.34	21.04	17.55	24.42	19.11	14.29	14.44	31.75	0
16.11	19.58	15.71	22.09	16.64	14.56	13.86	29.26	0
20.40	19.29	16.01	21.12	16.86	15.62	14.30	25.20	0
155.68	21.13	26.61	24.15	36.10	15.07	7.64	186.69	13
24.77	16.98	21.26	17.85	22.77	15.26	18.24	33.35	0
27.61	17.23	17.11			17.23	17.11	29.18	0
33.64	20.09	19.18			20.09	19.18	41.30	0
24.69	21.44	18.18	24.70	19.72	14.94	15.11	30.91	0
18.92	18.41	16.26	20.45	16.85	14.33	15.08	30.81	0
21.07	20.84	18.72	23.52	20.68	15.50	14.81	40.16	0
102.10	26.35	29.29	31.29	35.95	16.47	15.96	109.85	0
29.22	20.77	21.61	22.84	23.46	16.63	17.91	40.29	0
28.63	23.16	21.12			23.16	21.12	32.33	0
29.08	23.30	19.46			23.30	19.46	36.70	0
32.48	23.00	26.23	25.90	30.61	17.22	17.49	201.52	0
28.21	21.65	22.52	24.02	24.87	16.91	17.83	33.40	0
22.29	19.12	19.53	20.75	21.32	15.86	15.95	32.08	0
16.50	21.08	15.74	23.34	16.31	16.57	14.61	23.87	0
20.66	18.88	15.13	21.35	17.95	13.93	9.50	50.83	0
24.62	23.28	17.45			23.28	17.45	31.60	0
30.62	28.36	19.15			28.36	19.15	33.06	0
39.76	34.21	28.46	41.87	31.68	18.88	22.03	74.58	0
34.97	25.47	23.52	28.70	25.26	19.00	20.06	45.00	0
82.05	22.31	26.08	25.07	29.98	16.80	18.27	107.01	0
39.34	25.27	30.44	28.92	36.66	17.98	17.99	163.40	0
20.03	25.29	20.15	28.85	21.15	18.19	18.14	30.45	0
36.72	22.75	19.91			22.75	19.91	40.33	0

27.83	22.59	17.93			22.59	17.93	31.35	0
145.42	42.16	42.01	53.81	53.78	18.86	18.46	239.04	0
48.11	36.35	39.83	43.51	45.26	22.04	28.97	88.69	0
42.82	28.33	26.43	32.53	29.54	19.92	20.20	51.91	0
32.26	28.88	25.79	33.41	27.02	19.82	23.33	65.08	0
31.28	26.05	22.75	29.47	24.50	19.21	19.25	51.74	0
115.79	22.58	34.78			22.58	34.78	259.37	0
31.06	23.43	28.01			23.43	28.01	51.64	0
33.87	31.11	26.67	36.45	28.71	20.44	22.57	62.61	0
19.05	27.75	22.02	31.36	24.18	20.52	17.70	51.11	0
23.08	24.66	18.44	28.28	19.88	17.42	15.54	28.15	0
17.85	23.95	15.29	27.20	16.11	17.45	13.65	21.94	0
25.77	20.68	20.28	23.10	22.73	15.85	15.38	51.15	0
50.00	19.40	24.54			19.40	24.54	80.82	0
97.10	24.30	36.94			24.30	36.94	165.41	0
172.22	29.86	52.08	35.70	66.72	18.17	22.79	207.33	0
54.60	39.56	34.61	47.54	39.46	23.62	24.93	68.60	0
63.68	36.95	46.68	42.54	52.09	25.77	35.84	116.82	0
40.52	33.37	35.68	38.41	40.76	23.28	25.50	76.25	0
35.96	29.32	23.41	34.11	27.12	19.75	16.00	52.86	0
19.70	19.84	16.73			19.84	16.73	51.16	0
17.92	17.79	15.17			17.79	15.17	32.62	0
33.54	21.13	19.11	24.06	21.43	15.26	14.46	45.42	0
38.31	22.27	23.94	26.18	28.08	14.45	15.65	74.87	0
14.72	21.10	17.70	23.32	18.75	16.64	15.59	61.58	0
25.72	20.40	14.67	22.82	16.03	15.54	11.93	30.17	0
31.19	22.64	19.25	26.31	21.90	15.28	13.95	66.25	0
26.71	22.76	20.56			22.76	20.56	43.98	0
29.75	24.54	22.60			24.54	22.60	67.60	0
72.85	28.89	30.67	34.13	37.75	18.41	16.51	94.91	0
37.68	27.43	27.34	32.10	31.98	18.10	18.08	137.69	0
27.02	18.65	16.64	19.54	16.71	16.87	16.52	29.26	0
22.00	20.77	19.88	23.64	22.58	15.03	14.50	42.90	0
31.18	21.02	19.66	23.62	21.79	15.81	15.40	58.92	0
40.93	22.60	24.14			22.60	24.14	41.75	0
15.60	15.05	12.93			15.05	12.93	32.49	2
20.56	15.85	13.52	17.63	14.54	12.31	11.48	27.72	1
29.79	18.29	18.33	20.72	20.04	13.43	14.92	33.93	0
16.60	19.04	18.06	21.60	20.26	13.92	13.66	30.23	0
18.67	25.96	17.16	29.85	17.82	18.18	15.85	33.02	0
18.10	20.96	15.97	22.91	17.63	17.04	12.66	24.07	0
26.67	18.24	17.24			18.24	17.24	36.61	0
25.86	17.61	19.39			17.61	19.39	44.58	0
35.48	20.20	21.27			20.20	21.27	76.52	0
188.03	26.48	54.31	30.97	72.10	17.51	18.75	254.57	0
72.08	30.96	39.08	36.56	47.95	19.76	21.34	112.95	0
51.66	35.01	34.18	40.84	40.45	23.35	21.63	55.47	0

17.83	21.62	22.24	23.22	22.58	18.40	21.56	44.84	0
17.63	18.63	14.29			18.63	14.29	35.41	0
18.58	16.63	11.29			16.63	11.29	43.94	19
19.51	23.50	17.04	27.26	18.52	15.96	14.10	31.68	0
28.99	18.78	18.33	20.37	20.35	15.60	14.29	70.13	0
26.01	18.23	18.52	19.89	19.89	14.92	15.77	43.47	0
21.93	21.05	16.51	23.36	17.91	16.44	13.70	50.61	0
28.12	18.58	21.00	20.16	23.92	15.42	15.18	40.57	0
27.99	13.42	15.18			13.42	15.18	29.34	0
36.55	15.38	17.99			15.38	17.99	41.57	0
32.54	21.13	19.95	23.43	21.98	16.54	15.91	45.52	0
29.90	18.96	18.17	20.76	19.84	15.37	14.81	52.56	0
28.74	18.62	14.30	21.93	16.65	12.01	9.62	39.37	0
19.27	23.55	16.72	28.24	18.35	14.17	13.44	22.72	0
22.03	24.98	20.98	28.46	20.64	18.01	21.67	29.42	0
18.27	19.19	16.38			19.19	16.38	31.83	0
32.25	17.06	16.88			17.06	16.88	42.08	0
41.19	22.57	24.48	26.39	29.01	14.92	15.44	90.62	0
23.97	27.14	18.89	33.30	20.33	14.83	15.99	33.04	0
13.59	18.26	13.26	19.33	13.08	16.11	13.61	18.11	0
30.88	17.15	15.91	19.26	19.30	12.93	9.13	41.65	0
29.66	16.86	19.98	18.53	23.05	13.53	13.85	36.78	0
33.79	17.68	20.88			17.68	20.88	58.05	0
26.44	17.89	17.86			17.89	17.86	37.57	0
25.17	20.97	23.41	22.93	25.85	17.06	18.53	57.25	0
49.22	21.61	28.08	23.98	33.58	16.89	17.07	73.54	0
33.51	22.71	28.26	25.50	31.30	17.12	22.18	75.58	0
39.26	18.22	26.92	20.08	24.70	14.49	31.35	470.25	0
24.61	20.59	16.30	22.28	17.45	17.21	13.99	30.40	0
36.05	17.84	18.15			17.84	18.15	76.49	1
32.00	17.38	13.76			17.38	13.76	45.69	0
153.08	20.69	48.07	23.95	63.08	14.15	18.06	163.05	0
53.91	28.72	41.97	33.97	51.52	18.21	22.87	155.48	0
31.38	23.02	15.54	25.00	18.10	19.05	10.42	36.13	6
24.13	20.92	17.53	23.16	18.69	16.44	15.21	37.19	0
38.23	24.17	21.84	28.17	25.24	16.18	15.04	41.74	0
17.09	19.19	13.75			19.19	13.75	53.23	14
32.30	18.16	18.32			18.16	18.32	39.72	0
70.30	24.97	27.98	29.11	33.85	16.68	16.23	87.85	0
46.54	24.46	29.36	28.12	33.01	17.14	22.06	52.79	0
25.95	27.55	26.16	32.22	30.00	18.21	18.48	55.95	0
36.89	26.96	24.37	30.64	28.17	19.60	16.78	73.08	0
30.16	21.42	21.34	24.44	24.10	15.37	15.82	41.14	0
47.82	20.46	25.92			20.46	25.92	66.23	13
60.52	24.66	27.59			24.66	27.59	76.40	0
70.49	32.09	37.93	36.43	45.68	23.42	22.44	75.39	0
64.25	29.11	33.62	33.59	37.79	20.13	25.27	67.66	0

72.34	38.30	49.44	41.01	58.16	32.90	31.98	113.38	0
47.46	38.89	47.19	44.58	57.57	27.52	26.41	97.24	0
47.47	54.12	41.24	58.01	46.94	46.33	29.86	72.77	0
50.70	46.77	43.20			46.77	43.20	90.04	0
88.84	40.99	44.86			40.99	44.86	99.04	0
56.86	50.36	34.41	58.20	37.27	34.67	28.70	77.35	0
82.11	42.82	51.01	47.26	51.73	33.94	49.58	99.49	0
72.09	36.06	40.08	35.55	39.58	37.08	41.08	84.28	0
24.16	20.93	16.15	22.01	15.82	18.75	16.81	29.54	0
20.01	16.04	12.39	18.08	13.64	11.97	9.90	34.09	0
27.88	11.23	10.11			11.23	10.11	46.90	0
87.55	10.86	15.35			10.86	15.35	104.26	0
36.65	16.26	13.61	19.43	16.08	9.93	8.66	47.69	0
37.30	14.62	14.84	16.72	17.22	10.41	10.07	46.94	0
26.88	16.33	18.38	19.23	22.26	10.52	10.63	51.06	0
22.68	24.05	20.23	27.80	22.44	16.56	15.83	61.57	0
44.00	25.36	26.50	29.46	31.09	17.16	17.32	78.80	0
44.40	22.53	35.85			22.53	35.85	67.56	0
34.45	27.06	29.16			27.06	29.16	120.80	0
52.93	24.71	29.66	27.76	34.71	18.61	19.56	57.04	0
60.19	33.76	35.73	36.79	41.37	27.69	24.45	66.62	0
95.35	42.41	46.91	46.93	52.59	33.37	35.56	104.60	0
39.67	36.57	36.17	36.56	34.82	36.60	38.86	77.96	0
28.99	24.74	20.20	26.92	21.68	20.40	17.24	45.76	0
40.28	19.50	19.97			19.50	19.97	42.69	0
39.64	25.99	25.15			25.99	25.15	45.96	0
41.93	26.74	30.87	31.33	37.16	17.57	18.30	58.03	0
58.60	29.97	24.53	33.26	25.76	23.39	22.06	62.03	0
35.65	26.87	25.74	27.92	28.30	24.79	20.61	66.17	0
31.76	21.58	14.25			21.58	14.25	44.49	0
19.20	18.39	10.40	20.84	13.09	13.48	5.03	27.72	0
27.50	15.56	12.44			15.56	12.44	28.75	0
26.50	16.74	11.45			16.74	11.45	31.59	0
15.86	21.46	17.61	25.44	20.48	13.51	11.88	41.09	0
38.34	21.10	19.37	24.30	21.79	14.70	14.51	61.64	0
45.41	26.13	28.07	28.92	32.41	20.57	19.41	52.48	0
55.67	25.61	29.94	27.19	32.21	22.44	25.41	62.36	0
43.62	25.46	24.92	26.75	27.42	22.86	19.92	45.08	0
56.14	27.59	33.48			27.59	33.48	60.77	0
83.27	27.78	37.52			27.78	37.52	103.47	0
84.12	32.45	37.07	35.62	41.81	26.11	27.61	84.62	0
61.83	35.40	36.40	38.10	41.03	30.00	27.14	61.92	0
52.66	31.84	34.16	34.40	38.29	26.74	25.89	64.64	0
52.76	28.32	30.83	29.63	33.41	25.70	25.65	62.13	0
74.73	29.62	35.00	31.15	37.98	26.57	29.02	107.65	0
27.47	30.56	26.63			30.56	26.63	57.90	0
47.51	24.32	26.03			24.32	26.03	52.11	0

70.81	31.25	39.80	37.56	48.60	18.64	22.20	78.20	0
61.45	40.77	36.65	46.36	39.78	29.60	30.38	79.13	8
105.89	62.92	72.58	66.54	80.78	55.67	56.17	128.79	0
176.56	79.48	106.44	84.81	107.86	68.82	103.59	211.81	0
96.48	102.50	91.02	104.24	99.15	99.03	74.76	152.70	0
100.35	90.18	78.22			90.18	78.22	117.06	0
108.96	62.43	78.47			62.43	78.47	142.02	0
75.72	56.08	58.20	58.10	60.08	52.04	54.44	93.82	0
53.30	45.17	41.13	46.41	43.23	42.69	36.94	65.35	0
38.57	39.50	29.13	43.96	30.70	30.58	26.00	40.41	0
38.07	27.01	26.39	29.01	24.98	23.01	29.23	56.71	0
56.41	27.96	27.28			27.96	27.28	66.12	7
70.94	34.99	34.97			34.99	34.97	79.28	0
79.20	41.25	40.49			41.25	40.49	83.44	0
62.18	41.61	37.02	45.88	40.63	33.07	29.81	75.55	4
36.19	37.23	23.13	41.08	27.47	29.53	14.44	46.66	17
60.53	37.47	40.26	39.54	44.86	33.33	31.06	104.94	0
44.35	30.13	33.05	33.50	35.39	23.39	28.38	73.95	0
47.47	28.20	30.49			28.20	30.49	78.56	0
49.73	29.57	28.70			29.57	28.70	51.47	0
51.42	30.68	35.98			30.68	35.98	56.41	0
31.56	31.27	27.98	32.62	28.93	28.58	26.09	58.48	0
49.90	35.58	40.78	37.74	45.87	31.27	30.62	100.57	0
59.70	31.34	32.57	32.04	33.24	29.95	31.24	66.52	0
39.93	30.14	28.96	32.18	30.31	26.06	26.26	51.34	0
35.04	33.45	29.37	35.73	30.56	28.88	27.00	53.07	0
42.50	33.76	30.80			33.76	30.80	52.78	0
48.20	36.64	32.34			36.64	32.34	67.78	0
68.29	43.26	52.00	47.90	59.61	33.99	36.80	88.89	0
47.36	37.56	38.21	39.90	40.18	32.88	34.28	62.93	0
45.94	47.42	39.87	50.45	42.08	41.35	35.45	76.07	0
47.63	47.07	35.36	51.16	36.01	38.91	34.06	63.61	0
26.62	32.89	25.61	34.11	25.82	30.46	25.19	30.19	0
41.27	33.14	23.42			33.14	23.42	55.53	0
48.88	30.20	30.39			30.20	30.39	71.11	0
45.66	32.73	30.21	37.94	33.19	22.31	24.26	47.48	0
56.58	37.73	36.32	40.69	41.86	31.81	25.24	61.65	0
45.61	40.69	41.96	43.05	43.86	35.97	38.15	61.14	0
91.23	40.46	59.75	41.82	68.87	37.76	41.50	107.36	0
42.01	30.12	31.86	29.95	31.47	30.46	32.65	64.27	0
54.81	44.54	33.17			44.54	33.17	77.02	0
157.86	44.04	67.22			44.04	67.22	200.91	0
55.98	45.27	51.69	45.20	47.13	45.41	60.80	140.72	0
71.91	46.58	44.53	49.71	48.04	40.32	37.51	78.19	0
75.80	46.34	50.47	50.35	54.65	38.31	42.13	95.15	0
91.49	65.53	71.86	73.75	84.12	49.07	47.35	116.89	0
110.01	87.71	95.24	92.59	105.98	77.96	73.77	186.48	0

97.64	84.99	101.30			84.99	101.30	207.76	0
95.60	88.00	77.52			88.00	77.52	114.48	0
112.37	63.52	75.08	63.14	86.12	64.29	53.00	134.61	0
104.20	62.99	81.66	69.48	88.03	49.99	68.92	158.34	0
164.93	103.58	158.07	113.95	164.87	82.85	144.48	243.61	0
126.91	115.31	98.30	120.01	100.75	105.89	93.41	150.49	0
142.40	83.20	90.25	86.96	100.87	75.69	69.01	155.69	0
65.95	73.48	43.63			73.48	43.63	92.97	3
187.57	80.03	87.70			80.03	87.70	212.42	9
116.58	100.55	84.01	110.06	91.15	81.53	69.71	138.54	0
92.51	103.70	89.80	108.80	102.14	93.50	65.12	156.93	0
93.66	93.41	101.26	97.16	106.09	85.91	91.59	231.30	0
75.49	94.69	73.21	96.67	73.71	90.73	72.21	85.70	0
98.61	95.57	82.20	100.60	90.54	85.52	65.54	120.13	0
99.41	80.26	73.31			80.26	73.31	124.72	0
64.26	72.15	59.96			72.15	59.96	69.41	0
119.95	71.89	85.49	77.92	96.89	59.84	62.68	126.05	0
67.66	74.67	66.18	79.65	67.72	64.72	63.10	91.83	0
151.36	96.03	83.06	103.76	88.52	80.57	72.13	211.11	0
100.46	103.56	92.45	115.17	98.91	80.34	79.52	124.90	0
79.40	89.48	77.08	94.94	75.42	78.56	80.40	103.76	0
74.02	60.11	61.53			60.11	61.53	82.19	0
73.79	60.48	59.14			60.48	59.14	96.06	0
84.99	68.01	71.44	74.51	78.71	55.01	56.92	112.87	0
52.31	50.82	41.58	53.24	42.22	45.98	40.31	67.28	0
50.35	29.53	24.35	30.66	24.17	27.28	24.71	54.28	3
55.40	27.92	22.86	30.86	24.01	22.04	20.54	72.57	29
50.94	31.84	30.19	34.29	31.39	26.94	27.79	68.06	0
52.90	32.19	45.91			32.19	45.91	88.06	0
68.85	33.19	45.11			33.19	45.11	123.74	0
52.73	39.32	46.34	43.43	52.02	31.11	34.97	101.14	0
90.08	54.72	65.95	54.98	63.30	54.21	71.27	156.36	0
91.21	50.52	61.91	51.65	60.61	48.26	64.52	103.92	0
63.71	58.18	49.03	61.45	51.81	51.64	43.48	73.25	0
66.25	65.53	56.74	68.88	54.97	58.82	60.29	109.85	0
69.39	52.51	44.45			52.51	44.45	89.45	0
58.25	52.66	41.29			52.66	41.29	111.57	0
124.62	53.96	50.71	55.05	54.01	51.78	44.10	175.76	0
42.99	38.73	36.21	37.43	34.72	41.33	39.19	72.95	0
37.12	32.18	25.80	34.01	26.42	28.52	24.56	44.37	0
30.92	26.01	27.86	28.32	30.75	21.40	22.08	62.43	0
24.67	23.56	17.61	25.71	17.42	19.27	17.99	33.82	0
46.76	25.99	17.11			25.99	17.11	66.62	10
112.85	31.70	47.65			31.70	47.65	129.02	0
70.97	53.09	62.63	58.60	69.50	42.08	48.88	202.57	0
77.61	57.51	51.37	59.14	51.78	54.23	50.53	104.85	0
77.59	36.21	34.40	37.00	35.66	34.64	31.86	98.07	0



49.32	27.97	32.93	30.05	37.79	23.81	23.22	59.14	0
23.24	32.40	20.28	35.11	19.67	26.99	21.52	43.00	0
20.74	26.02	16.70			26.02	16.70	47.91	23
25.44	20.80	17.22			20.80	17.22	31.08	0
27.93	25.73	25.27	27.13	26.04	22.92	23.72	69.68	5
40.65	24.78	25.29	26.85	26.12	20.64	23.62	58.66	0
28.83	24.76	20.12	26.78	21.41	20.72	17.54	36.19	0
30.02	22.34	24.31	24.85	27.25	17.32	18.41	47.44	0
33.21	21.60	23.45	23.84	26.03	17.14	18.30	42.53	0
33.55	19.28	20.75			19.28	20.75	46.21	0
40.52	20.82	26.12			20.82	26.12	45.93	0
24.87	21.28	20.19	24.21	20.91	15.41	18.74	47.57	8
31.67	21.45	14.06	22.55	11.54	19.26	19.09	38.79	28
31.28	21.67	21.54	24.20	24.26	16.61	16.10	47.09	0
22.06	25.08	20.46	28.06	21.84	19.12	17.70	35.26	0
62.25	29.42	37.89	32.88	43.12	22.49	27.42	72.87	0
49.77	30.60	45.51			30.60	45.51	181.53	0
27.87	23.86	19.23			23.86	19.23	60.85	23
24.81	27.79	22.21	29.91	22.43	23.55	21.77	49.19	0
32.78	20.87	21.05	21.85	21.32	18.92	20.49	49.23	0
42.00	21.31	22.59	23.59	24.64	16.75	18.48	51.52	0
30.02	23.03	20.15	25.28	20.85	18.53	18.75	49.41	0
33.52	22.77	21.05	23.82	22.53	20.68	18.08	49.26	0
31.40	21.95	21.76			21.95	21.76	41.72	0
32.75	24.11	19.98			24.11	19.98	50.33	0
28.48	24.87	23.05	28.23	25.92	18.14	17.31	32.87	0
43.84	23.73	25.27	24.97	27.21	21.26	21.37	53.52	0
40.94	23.87	25.78	25.40	26.54	20.79	24.24	56.56	0
25.09	25.10	23.91	27.39	25.89	20.54	19.96	52.22	0
42.02	34.73	30.28	40.78	34.85	22.64	21.15	53.33	0
63.76	34.65	53.56			34.65	53.56	204.81	0
40.75	30.30	25.59			30.30	25.59	44.16	0
24.76	27.98	21.47	31.27	22.87	21.40	18.69	30.30	0
38.91	25.39	25.49	26.77	26.70	22.61	23.07	49.46	0
38.75	24.77	24.12	27.38	26.36	19.55	19.63	51.67	0
40.79	30.03	28.65	33.06	32.62	23.97	20.71	64.01	0
26.75	24.53	25.87	24.43	25.19	24.75	27.22	43.39	0
31.65	23.53	19.99			23.53	19.99	52.64	7
28.66	26.02	25.55			26.02	25.55	54.09	0
48.16	23.93	21.93	26.34	22.88	19.10	20.04	61.25	9
38.61	24.55	30.69	25.85	32.74	21.95	26.60	339.87	0
29.90	26.88	27.48	28.82	27.67	23.01	27.10	56.20	0
35.26	29.52	28.32	32.70	31.68	23.16	21.59	43.94	0
22.66	24.91	18.06	26.78	20.04	21.18	14.09	24.35	4
20.73	20.92	11.05			20.92	11.05	44.81	29
25.83	18.49	15.59			18.49	15.59	36.04	8
21.38	23.27	16.46	26.59	18.56	16.63	12.27	37.39	5

29.51	27.09	22.89	30.96	25.57	19.35	17.54	30.38	0
35.90	26.52	26.88	28.56	29.67	22.45	21.31	46.58	0
31.15	25.02	24.84	26.56	23.37	21.95	27.77	66.98	0
27.09	27.83	26.09	28.90	27.55	25.70	23.18	42.63	0
28.78	24.64	20.81			24.64	20.81	35.13	0
34.34	23.97	19.44			23.97	19.44	39.32	6
26.69	28.72	26.70	31.60	28.54	22.96	23.04	42.79	0
38.77	25.31	27.48	25.79	28.69	24.35	25.07	53.37	0
46.96	23.80	26.91	25.23	29.38	20.96	21.97	51.04	0
32.59	24.75	25.00	26.24	25.81	21.78	23.39	50.70	0
22.49	22.97	21.60	24.11	21.77	20.71	21.26	36.34	0
30.03	22.64	21.11			22.64	21.11	33.25	0
29.54	23.80	22.23			23.80	22.23	54.45	0
47.09	26.10	29.61	28.84	31.32	20.63	26.19	60.67	0
28.09	25.36	25.26	27.83	26.79	20.41	22.21	65.61	0
27.31	28.29	23.48	30.71	23.48	23.47	23.50	31.88	0
22.68	26.71	21.27	28.90	21.98	22.33	19.85	36.77	0
29.37	24.87	23.30	27.05	25.19	20.50	19.52	39.53	0
38.45	24.71	28.92			24.71	28.92	62.49	0
30.68	28.32	26.21			28.32	26.21	45.86	0
25.33	24.06	23.82	25.00	24.18	22.18	23.12	36.45	0
41.97	23.81	25.56	25.30	28.41	20.82	19.88	56.40	0
49.69	28.56	27.90	32.78	30.23	20.11	23.25	54.81	0
49.40	27.19	29.89	29.14	32.73	23.29	24.21	60.40	0
25.72	24.63	31.57	26.68	35.99	20.53	22.71	55.64	0
29.80	23.90	28.28			23.90	28.28	41.82	0
28.57	23.10	24.23			23.10	24.23	38.06	0
19.81	23.41	20.76			23.41	20.76	49.19	0
22.66	23.55	17.65	26.71	21.26	17.23	10.43	36.39	6
33.67	25.11	21.66	28.66	24.16	18.01	16.65	43.36	0
30.35	23.74	25.76	25.95	27.73	19.34	21.83	38.02	0
42.88	26.35	34.66	28.82	39.34	21.42	25.31	49.35	0
90.87	26.66	32.30			26.66	32.30	245.82	0
91.74	37.50	33.98			37.50	33.98	140.21	0
125.54	43.33	55.42	52.36	69.77	25.28	26.70	294.19	0
200.58	45.45	53.29	51.75	63.16	32.85	33.56	299.63	0
142.22	45.09	59.28	52.61	72.42	30.05	32.99	331.88	0
35.82	32.25	31.26	35.55	31.94	25.67	29.90	52.60	0
28.62	30.93	36.62	32.49	37.53	27.82	34.81	56.93	0
44.09	27.47	30.81			27.47	30.81	49.52	0
49.16	28.00	30.68			28.00	30.68	95.42	0
24.27	29.10	26.52	33.54	28.87	20.24	21.81	49.58	0
39.71	32.42	25.20	37.58	27.87	22.10	19.86	61.42	0
25.07	26.79	22.82	29.68	23.40	21.03	21.66	37.38	0
42.48	28.32	26.48	31.68	28.77	21.61	21.90	57.41	0
44.17	29.13	26.45	31.89	28.28	23.60	22.80	60.43	0
40.69	31.72	25.33			31.72	25.33	51.48	0

48.60	35.98	27.50			35.98	27.50	61.85	5
33.92	48.73	31.37	59.56	33.70	27.05	26.72	46.16	0
48.53	33.07	32.31	37.03	35.83	25.14	25.29	81.41	0
40.42	26.50	25.53	28.58	27.54	22.35	21.51	42.29	0
33.53	27.38	29.21	29.88	30.84	22.39	25.95	55.86	0
26.87	29.50	30.35	32.60	32.39	23.30	26.27	52.79	0
40.17	31.84	30.72			31.84	30.72	46.55	0
66.75	40.44	34.40			40.44	34.40	102.59	5
230.24	57.52	81.38	69.42	103.47	33.71	37.20	313.95	0
125.55	91.29	80.86	114.40	100.92	45.06	40.75	296.25	0
110.47	104.21	65.29	129.07	71.30	54.50	53.28	248.67	0
40.19	50.26	37.41	52.35	38.47	46.09	35.30	58.45	0
35.24	32.38	29.15	33.93	29.46	29.29	28.52	50.53	0
21.53	24.99	21.56			24.99	21.56	26.57	0
19.48	24.12	16.44			24.12	16.44	30.41	10
36.91	28.49	24.40			28.49	24.40	78.72	6
103.90	43.49	36.12	51.68	42.52	27.12	23.32	261.12	0
282.98	46.51	62.80	53.73	82.03	32.08	24.35	448.09	0
30.78	33.94	32.19	35.72	30.65	30.37	35.26	56.00	0
29.92	35.36	30.19	38.47	32.68	29.13	25.20	45.37	0
30.35	32.45	28.92			32.45	28.92	56.30	0
42.19	32.34	34.65			32.34	34.65	56.61	0
34.26	37.33	32.96	39.91	33.19	32.15	32.50	43.77	0
35.85	33.52	31.44	34.37	33.05	31.82	28.24	50.61	0
90.84	37.37	43.88	41.78	52.15	28.53	27.34	92.40	0
57.55	49.66	38.08	58.48	40.63	32.04	33.00	65.54	0
45.34	49.98	41.68	58.53	43.79	32.87	37.45	84.29	0
239.35	38.97	63.50			38.97	63.50	287.97	0
54.30	35.64	40.17			35.64	40.17	89.94	0
33.20	37.30	31.00	40.41	31.58	31.08	29.85	43.71	0
84.51	44.95	38.56	52.39	45.08	30.06	25.53	94.10	0
45.22	36.94	34.61	40.78	38.14	29.27	27.55	60.44	0
41.87	33.15	37.06	35.55	39.47	28.34	32.26	61.44	0
53.70	36.94	48.13	39.71	54.10	31.41	36.19	103.27	0
57.42	34.81	34.01			34.81	34.01	60.76	0
33.77	36.93	32.35			36.93	32.35	56.96	0
70.87	47.76	40.21	55.29	44.98	32.71	30.67	76.26	0
63.14	47.17	38.19	51.71	40.46	38.11	33.67	85.61	0
47.32	36.88	36.01	39.24	37.85	32.16	32.34	75.51	0
50.13	34.82	38.69	36.82	41.17	30.80	33.74	76.59	0
33.34	35.79	33.43	37.86	34.19	31.66	31.91	45.95	0
39.95	29.31	27.59			29.31	27.59	43.50	0
32.35	32.69	28.94			32.69	28.94	45.39	0
35.20	36.30	31.57	38.98	33.13	30.94	28.45	50.55	0
29.00	32.60	25.95	35.71	27.35	26.37	23.17	31.72	0
34.29	36.73	32.98	39.95	34.97	30.28	29.00	45.45	0
37.30	36.43	35.38	39.17	37.91	30.95	30.33	56.65	0

93.17	41.68	40.00	46.28	44.34	32.48	31.31	105.78	0
46.19	44.33	38.54			44.33	38.54	60.01	0
37.40	39.76	33.51			39.76	33.51	43.54	0
46.21	42.01	36.81	46.46	40.04	33.12	30.36	57.04	0
37.34	44.74	34.80	49.97	36.51	34.28	31.40	44.97	0
295.70	56.89	83.46	66.83	107.15	36.99	36.09	504.80	0
68.54	82.56	57.97	98.24	65.14	51.21	43.63	127.26	0
74.59	82.70	65.14	96.35	71.11	55.41	53.19	177.44	0
69.51	54.22	80.85			54.22	80.85	429.32	0
48.86	36.94	41.38			36.94	41.38	92.88	0
54.57	38.55	40.01	41.23	41.45	33.19	37.13	71.71	0
71.84	40.17	44.32	44.23	49.66	32.06	33.64	84.40	0
121.28	46.68	61.04	52.67	72.86	34.70	37.40	153.77	0
78.79	54.29	70.43	58.98	79.57	44.91	52.15	131.40	0
91.42	59.20	55.61	67.37	63.16	42.85	40.51	111.76	0
60.85	56.44	40.76			56.44	40.76	76.56	0
41.11	42.04	37.99			42.04	37.99	53.78	0
55.02	52.79	38.38	60.65	42.93	37.07	29.29	71.58	0
283.80	61.49	79.86	74.96	103.88	34.55	31.82	360.58	0
217.41	69.68	102.04	84.67	133.42	39.70	39.29	517.33	0
176.05	84.31	73.24	103.29	90.13	46.34	39.47	258.84	0
125.18	60.98	64.86	69.16	76.39	44.60	41.79	141.03	0
35.73	42.76	37.07			42.76	37.07	58.26	0
38.13	41.48	33.31			41.48	33.31	43.17	0
215.65	55.50	53.51	65.90	65.11	34.68	30.32	408.74	0
38.92	46.50	37.61	51.65	39.03	36.19	34.79	54.66	0
35.38	39.16	34.81	40.58	35.07	36.32	34.28	51.54	0
55.91	39.15	35.93	41.34	38.07	34.76	31.65	92.50	0
48.82	36.52	40.83	39.20	44.38	31.16	33.71	90.60	0
71.19	35.38	42.90			35.38	42.90	428.84	0
34.11	40.07	48.28			40.07	48.28	437.13	0
56.10	43.49	43.57			43.49	43.57	429.78	0
67.61	42.72	32.35	47.04	40.45	34.07	16.16	81.38	6
48.22	44.71	39.69	50.03	42.87	34.07	33.34	71.65	0
53.46	44.53	48.88	47.26	52.09	39.08	42.46	99.13	0
41.30	41.10	45.13	42.90	47.42	37.49	40.55	87.80	0
35.77	37.96	31.42			37.96	31.42	46.42	0
52.74	42.49	36.10			42.49	36.10	69.27	0
101.44	52.77	50.30	56.46	52.77	45.41	45.35	106.21	0
76.39	51.97	54.88	55.81	56.54	44.31	51.55	199.65	0
84.59	62.68	67.93	68.78	67.08	50.47	69.65	125.78	0
66.61	62.66	53.20	65.96	55.31	56.08	49.00	95.56	0
61.64	59.35	55.16	62.81	58.10	52.43	49.28	112.10	0
79.14	61.45	53.58			61.45	53.58	87.45	0
55.97	48.29	47.15			48.29	47.15	82.81	0
56.63	53.04	48.18	57.43	49.11	44.24	46.31	84.02	0
69.69	49.61	45.60	54.00	48.49	40.85	39.81	72.86	0

86.99	55.85	66.04	62.50	76.73	42.55	44.67	96.51	0
100.40	60.04	64.84	66.36	69.60	47.39	55.32	103.78	0
47.00	63.02	45.31	70.08	46.24	48.91	43.46	63.62	0
69.86	45.16	42.78			45.16	42.78	81.81	0
39.70	40.49	35.41			40.49	35.41	50.26	0
70.60	43.29	33.57	48.15	43.56	33.57	13.59	80.81	26
73.98	49.83	56.61	55.19	66.05	39.12	37.74	83.80	0
62.04	46.58	50.88	47.52	50.38	44.71	51.88	199.82	0
75.31	48.75	54.66	50.00	51.40	46.25	61.18	114.19	0
64.07	50.55	45.33	49.23	47.29	53.19	41.42	72.70	0
56.51	46.97	42.23			46.97	42.23	77.30	0
58.22	46.73	46.04			46.73	46.04	90.40	0
52.44	59.82	45.78	67.51	49.25	44.45	38.85	85.86	0
77.92	58.88	55.97	65.58	63.13	45.48	41.66	89.05	0
90.65	56.73	57.27	61.00	62.09	48.21	47.63	92.10	0
83.70	64.31	60.55	68.98	64.39	54.97	52.88	88.76	0
76.30	60.84	61.54	67.77	69.22	46.99	46.19	94.41	0
64.79	53.00	49.02			53.00	49.02	78.76	0
55.23	49.55	61.30			49.55	61.30	82.85	0
93.18	58.23	53.84	65.70	58.31	43.30	44.91	109.59	0
68.68	61.38	53.30	68.16	57.03	47.83	45.83	93.42	0
78.13	57.49	60.53	62.50	64.15	47.47	53.29	109.76	0
78.16	87.22	74.50	92.83	85.50	75.99	52.49	135.25	0
139.42	77.69	96.91	85.68	106.88	61.73	76.97	211.45	0
156.56	73.50	72.04			73.50	72.04	179.41	0
79.79	51.32	39.61			51.32	39.61	99.69	5
58.58	62.28	44.05	70.03	46.85	46.78	38.46	74.52	0
52.41	54.09	43.78	59.04	45.54	44.18	40.26	76.12	0
96.66	51.57	51.54	57.43	56.55	39.84	41.53	110.78	0
80.28	54.01	55.87	60.37	61.38	41.27	44.86	101.38	0
68.47	54.82	58.30	58.97	59.51	46.51	55.87	432.65	0
54.85	50.26	44.65			50.26	44.65	69.13	0
69.98	45.46	42.83			45.46	42.83	80.93	0
76.64	63.17	60.94	73.80	71.32	41.90	40.17	112.44	0
85.06	59.95	65.72	65.08	73.40	49.68	50.35	114.52	0
71.60	62.17	59.37	68.48	64.75	49.54	48.62	85.41	0
121.90	57.65	63.68	62.08	68.64	48.80	53.75	127.81	0
65.88	60.00	56.89	62.43	58.94	55.15	52.79	83.48	0
71.52	63.29	73.15			63.29	73.15	141.35	0
68.53	53.09	50.32			53.09	50.32	82.55	0
52.59	50.62	45.55	55.03	46.91	41.79	42.84	91.65	0
93.95	59.65	57.49	66.88	63.91	45.18	44.63	96.10	0
101.26	58.87	57.09	62.05	61.00	52.50	49.26	118.33	0
107.02	70.49	74.26	73.35	82.11	64.76	58.54	154.99	0
133.30	65.51	73.17	66.30	77.86	63.92	63.79	188.56	0
65.85	57.52	63.66			57.52	63.66	266.70	0
97.53	62.09	61.47			62.09	61.47	106.87	0

99.37	54.74	67.34	57.20	71.66	49.80	58.70	114.27	0
69.63	54.41	57.76	55.32	56.78	52.60	59.72	182.54	0
47.64	51.10	42.58	51.81	43.61	49.69	40.50	77.43	0
46.90	45.78	36.78	50.14	37.60	37.06	35.12	63.50	0
40.46	46.80	42.67	51.44	45.22	37.52	37.58	68.76	0
44.58	44.20	43.39			44.20	43.39	74.98	0
80.69	45.73	47.74			45.73	47.74	93.86	0
54.66	50.43	43.94	52.66	45.13	45.97	41.56	63.15	0
62.94	48.41	52.08	51.01	54.93	43.21	46.40	79.08	0
72.80	52.31	52.30	55.23	53.05	46.46	50.82	80.55	0
55.99	44.70	52.13	46.11	50.38	41.90	55.61	183.96	0
47.69	47.55	44.40	49.36	45.74	43.93	41.73	71.23	0
56.48	53.26	49.70			53.26	49.70	75.34	0
73.91	47.40	45.60			47.40	45.60	79.48	0
63.26	50.07	45.66	55.19	49.84	39.84	37.28	74.85	0
72.89	69.30	61.40	78.02	66.65	51.85	50.91	87.50	0
60.20	62.68	62.96	63.05	59.76	61.94	69.37	93.27	0
73.63	51.98	53.99			51.98	53.99	94.58	0
57.48	65.30	55.85	70.32	60.77	55.27	46.00	84.94	0
80.73	57.36	62.44			57.36	62.44	90.03	0
128.67	72.78	86.91			72.78	86.91	162.65	0
136.59	96.90	122.04	103.54	126.17	83.63	113.78	228.56	0
110.94	87.56	119.71	81.15	113.32	100.38	132.49	212.75	0
119.11	91.17	120.62	87.24	112.61	99.01	136.64	312.47	0
47.44	65.96	59.09	66.76	59.48	64.36	58.30	196.90	0
74.47	57.00	46.36	64.65	50.83	41.70	37.44	103.35	0
173.80	63.86	69.58			63.86	69.58	206.69	0
100.15	54.25	48.56			54.25	48.56	124.98	0
62.83	47.16	44.63	52.31	48.93	36.87	36.01	89.09	0
93.04	55.01	43.70	65.24	50.72	34.54	29.68	110.13	9
134.70	111.63	93.07	128.17	116.34	78.55	46.53	156.66	5
80.04	90.22	91.49	90.28	87.39	90.09	99.67	184.87	0
63.86	59.57	61.57	56.99	56.67	64.72	71.37	113.99	0
47.37	38.86	41.44			38.86	41.44	70.72	0
51.29	33.02	31.34			33.02	31.34	66.08	0
41.58	35.43	28.25	36.74	29.67	32.83	25.43	42.06	7
52.95	38.72	36.45	41.88	39.10	32.40	31.16	58.02	2
49.54	39.97	38.62	41.47	37.32	36.97	41.22	59.35	0
73.60	36.37	40.39	38.62	44.10	31.86	32.98	98.16	0
75.13	37.96	42.78	40.13	45.44	33.60	37.45	124.10	0
84.25	88.80	55.19			88.80	55.19	106.23	0
149.34	126.15	89.25			126.15	89.25	155.38	2
148.39	141.23	108.14	156.74	119.90	110.22	84.61	192.80	0
92.29	87.89	102.56	89.74	94.27	84.19	119.14	184.94	0
77.99	86.99	73.38	93.34	82.86	74.28	54.44	142.04	0
95.15	110.38	67.05	123.46	71.95	84.22	57.25	115.37	1
109.11	71.55	94.91	73.84	106.82	66.97	71.10	190.03	0

58.69	65.15	56.53			65.15	56.53	118.27	0
49.47	53.77	43.57			53.77	43.57	89.72	0
159.47	83.56	67.88	101.72	85.23	47.24	33.17	160.30	1
99.16	63.28	55.57	68.21	58.43	53.42	49.87	108.37	0
47.65	50.12	37.16	54.02	38.45	42.32	34.59	48.53	0
39.04	43.59	35.60	48.18	36.76	34.41	33.30	54.37	0
45.53	38.55	34.18	41.41	35.80	32.85	30.94	62.51	0
42.64	34.62	30.43			34.62	30.43	51.76	0
140.04	40.22	47.29			40.22	47.29	180.94	5
194.32	76.99	97.45	91.16	130.66	48.65	31.03	215.45	3
218.01	93.27	143.31	94.25	149.96	91.31	130.02	259.54	0
78.83	93.96	96.63	87.71	82.88	106.45	124.14	157.92	0
200.69	95.04	81.23	109.15	96.65	66.82	50.40	210.64	0
268.65	144.20	147.64	164.70	179.06	103.21	84.79	288.40	0
255.22	150.25	168.15			150.25	168.15	266.96	0
123.81	141.93	116.82			141.93	116.82	180.50	2
187.81	147.52	107.72	166.16	133.98	110.24	55.22	234.18	5
179.73	170.73	160.77	187.00	175.31	138.17	131.69	276.14	0
303.59	154.30	192.89	154.96	198.77	152.98	181.14	334.75	0
134.31	159.54	137.02	159.78	134.21	159.08	142.66	308.42	0
147.15	158.79	113.13	167.81	124.54	140.77	90.32	167.36	0
252.27	170.78	160.39			170.78	160.39	282.14	0
295.65	167.63	203.76			167.63	203.76	303.91	0
276.14	165.67	174.08	171.23	183.30	154.57	155.65	280.59	0
218.72	176.03	153.97	191.57	164.44	144.95	133.01	261.36	0
194.24	159.02	156.39	160.52	155.91	156.02	157.35	278.96	0
254.89	153.95	147.74	175.86	179.78	110.14	83.67	340.56	0
249.13	167.09	176.53	176.54	183.10	148.17	163.41	283.83	0
289.00	183.77	189.33			183.77	189.33	312.31	0
201.74	158.42	151.98			158.42	151.98	241.40	0
156.97	183.24	150.67	188.11	148.04	173.50	155.93	352.05	0
167.21	158.86	155.61	159.80	163.63	156.99	139.59	259.15	0
181.57	174.96	145.84	181.36	149.78	162.14	137.97	255.51	0
259.71	170.64	183.10	170.95	189.15	170.02	171.00	332.17	0
291.19	171.25	223.28	178.04	237.13	157.66	195.59	376.22	0
248.37	201.63	191.35			201.63	191.35	328.45	0
250.35	189.21	180.66			189.21	180.66	272.54	0
308.99	204.43	222.40	207.98	236.44	197.34	194.31	452.60	0
338.42	184.57	239.87	188.93	241.29	175.84	237.03	401.01	0
148.10	173.09	151.08	181.01	138.47	157.26	176.31	249.20	0
208.05	135.00	128.84	152.65	151.69	99.71	83.15	236.94	0
208.32	146.12	147.67	171.68	180.32	94.99	82.38	254.84	0
166.68	166.08	151.06			166.08	151.06	229.72	0
230.23	170.24	161.80			170.24	161.80	279.31	0
294.47	175.91	201.75	184.14	211.99	159.45	181.28	386.62	0
117.47	139.07	115.73	145.30	113.53	126.61	120.11	246.92	0
112.87	101.10	78.10	104.19	68.38	94.92	97.53	153.20	3

65.60	74.24	62.36	73.19	57.31	76.33	72.47	106.48	0
51.45	45.92	33.10	45.52	28.38	46.72	42.55	112.75	16
38.30	39.81	23.28			39.81	23.28	52.45	12
254.58	105.55	135.10			105.55	135.10	315.08	0
321.89	179.20	205.49	185.70	222.55	166.20	171.38	383.23	0
224.44	176.37	170.58	178.27	186.18	172.56	139.38	308.12	0
92.71	101.91	99.94	82.30	81.82	141.11	136.19	211.54	0
61.70	41.40	36.93	43.22	37.56	37.76	35.68	80.53	0
109.29	62.52	52.77	72.70	58.52	42.16	41.28	141.79	16
136.42	109.64	119.51			109.64	119.51	479.61	0
92.98	106.08	68.75			106.08	68.75	211.16	9
51.83	67.49	41.01	69.01	35.52	64.45	51.99	97.65	14
59.36	61.09	43.29	65.81	51.68	51.64	26.49	68.34	0
71.46	39.64	34.61	41.59	39.01	35.73	25.81	84.96	7
141.92	83.33	79.20	98.76	94.46	52.48	48.67	185.49	0
312.34	170.99	171.18	191.36	206.11	130.26	101.31	346.09	0
143.18	162.50	138.61			162.50	138.61	230.66	0
132.15	133.52	90.28			133.52	90.28	180.70	4
161.77	153.98	78.87	170.06	90.84	121.83	54.93	164.00	31
109.30	115.74	89.54	108.28	93.67	130.67	81.29	236.76	0
118.66	57.30	69.44	54.72	60.14	62.47	88.05	205.11	0
133.72	119.14	127.95	138.08	108.63	81.25	166.58	383.40	5
110.13	165.68	113.36	152.54	102.51	191.96	135.06	314.99	0
50.11	87.42	62.33			87.42	62.33	142.33	0
73.37	45.75	47.11			45.75	47.11	90.42	0
64.67	50.35	46.65	56.33	50.90	38.39	38.15	87.20	0
84.82	45.85	40.03	48.15	38.81	41.24	42.46	109.35	0
56.67	55.89	49.64	59.27	52.91	49.13	43.09	73.07	0
43.79	46.37	44.74	45.61	42.85	47.87	48.53	86.91	0
40.66	50.98	40.90	51.28	37.97	50.38	46.77	85.79	0
126.75	64.03	82.22			64.03	82.22	152.38	0
139.01	75.81	88.57			75.81	88.57	181.88	0
123.67	73.96	66.12	65.84	54.55	90.21	89.28	156.10	4
63.71	46.43	45.02	49.89	46.43	39.52	42.21	84.00	0
61.26	43.70	35.15	44.88	31.40	41.35	42.65	82.58	26
46.85	42.32	40.25	44.23	43.81	38.50	33.12	80.01	0
45.75	40.14	38.86	40.75	40.29	38.91	36.00	92.98	0
35.89	43.30	36.28			43.30	36.28	71.07	0
59.61	38.01	41.61			38.01	41.61	71.28	0
32.16	42.19	40.95	42.86	40.38	40.85	42.08	70.89	0
71.54	43.83	40.02	44.46	39.29	42.56	41.48	91.58	3
72.96	49.96	43.57	53.25	46.28	43.39	38.16	111.47	0
64.03	48.63	52.25	52.63	57.19	40.64	42.37	79.72	0
81.18	49.53	61.68	50.52	54.74	47.54	75.54	136.61	0
67.26	58.10	57.98			58.10	57.98	210.06	0
93.28	66.60	60.55			66.60	60.55	151.91	7
192.67	112.18	118.81	132.33	140.96	71.89	74.51	274.62	0



451.77	120.83	244.58	110.24	208.02	142.02	317.70	888.59	0
189.76	95.79	69.99	81.10	58.72	125.17	92.52	224.15	0
68.50	54.71	55.59	55.92	61.73	52.29	43.31	92.94	0
66.17	49.57	49.29	52.72	52.98	43.26	41.92	102.63	0
39.57	54.97	26.21			54.97	26.21	48.64	42
77.17	51.75	51.09			51.75	51.09	105.82	0
49.51	52.03	42.93	54.14	39.20	47.81	50.38	98.93	11
85.63	55.04	54.64	57.15	54.51	50.83	54.90	115.85	7
81.75	59.98	56.21	65.81	60.09	48.32	48.44	89.82	0
67.86	66.96	57.36	74.59	61.47	51.70	49.16	88.98	0
61.63	58.31	58.20	62.21	61.48	50.51	51.66	129.43	0
70.59	63.75	70.05			63.75	70.05	119.44	0
92.20	58.61	59.28			58.61	59.28	107.19	0
88.55	63.41	61.25	65.39	63.29	59.45	57.16	106.52	0
99.50	62.18	69.02	66.63	77.35	53.26	52.36	122.74	0
83.34	60.69	55.41	65.92	56.56	50.25	53.13	99.72	0
55.17	65.40	50.60	71.57	51.38	53.05	49.02	60.15	0
71.56	55.62	54.43	57.99	54.95	50.88	53.38	96.90	0
89.50	57.27	60.13			57.27	60.13	197.25	0
58.11	57.19	52.58			57.19	52.58	89.43	0
104.09	67.62	56.59	69.94	56.62	62.97	56.55	122.81	8
73.10	66.61	68.32	70.33	72.65	59.15	59.66	114.40	0
69.95	66.22	66.92	68.79	67.97	61.09	64.83	111.57	0
95.12	65.09	62.11	65.86	63.44	63.55	59.46	103.87	1
60.26	60.12	69.42	62.90	70.94	54.55	66.39	114.34	0
74.03	58.45	66.17			58.45	66.17	113.99	0
94.83	59.05	59.94			59.05	59.94	110.66	0
77.26	64.47	62.40	67.48	63.45	58.44	60.29	100.75	0
83.84	71.07	71.39	75.46	82.82	62.28	48.52	110.78	0
101.67	66.59	67.59	71.12	72.09	57.53	58.58	136.27	0
54.97	83.49	72.95	91.57	74.17	67.33	70.51	188.41	0
60.16	62.13	49.30	61.72	40.86	62.95	66.19	124.75	25
85.90	60.48	49.16			60.48	49.16	99.44	17
95.98	56.39	64.74			56.39	64.74	99.65	0
127.99	68.58	93.04	74.90	109.06	55.92	61.01	167.39	0
91.68	73.95	79.91	78.85	78.36	64.15	83.00	121.27	0
108.81	86.93	83.45	97.79	94.80	65.21	60.74	119.88	0
101.79	71.10	65.54	74.67	65.82	63.96	64.99	109.88	0
72.29	72.72	74.96	75.78	73.00	66.61	78.89	147.88	0
128.62	76.59	77.33			76.59	77.33	156.99	0
119.06	77.13	84.65			77.13	84.65	140.80	0
96.39	80.36	88.94	77.48	76.23	86.11	114.38	213.80	1
97.46	68.57	68.04	70.12	69.09	65.46	65.95	131.64	0
75.04	63.56	57.08	64.66	57.30	61.37	56.66	104.31	0
95.14	71.67	66.73	75.78	70.65	63.44	58.88	111.39	0
119.97	66.32	74.36	70.31	81.21	58.34	60.68	150.65	0
82.49	76.76	82.53			76.76	82.53	207.32	0

125.16	78.75	76.64			78.75	76.64	140.02	0
81.52	86.15	71.53	94.25	72.56	69.95	69.46	154.81	0
57.77	65.22	59.85	66.22	57.93	63.22	63.69	100.52	0
122.27	68.04	90.05	69.82	99.97	64.47	70.21	356.92	12
68.25	75.01	75.49	76.99	79.23	71.04	67.99	142.72	0
53.12	67.68	54.59	69.22	54.52	64.61	54.73	78.88	0
101.01	100.39	30.37			100.39	30.37	102.44	44
97.36	125.05	65.30			125.05	65.30	183.38	3
73.61	66.80	58.09	70.56	59.90	59.26	54.46	145.82	0
139.44	68.99	74.56	73.16	81.55	60.65	60.56	143.76	0
147.10	73.69	98.24	74.19	92.99	72.68	108.74	178.39	0
83.84	81.69	94.85	82.37	93.88	80.33	96.79	176.83	0
176.41	86.49	106.06	92.57	114.85	74.32	88.46	308.16	0
65.61	71.39	63.53			71.39	63.53	77.40	0
65.23	67.68	57.92			67.68	57.92	68.28	0
132.28	77.26	72.20			77.26	72.20	171.17	0
80.26	94.46	85.99	104.65	85.84	74.07	86.30	151.73	0
94.48	73.86	86.84	75.14	84.04	71.30	92.43	143.01	0
130.94	78.21	95.05	82.92	98.95	68.78	87.24	142.56	0
75.72	85.40	84.16	87.15	84.69	81.90	83.08	145.68	0
130.45	69.85	99.89			69.85	99.89	156.02	0
129.85	67.47	85.02			67.47	85.02	161.80	0
108.80	70.89	77.46	75.60	80.28	61.46	71.81	110.88	0
88.18	76.91	81.77	81.77	87.09	67.18	71.14	137.61	0
107.30	82.46	83.47	88.18	87.13	71.03	76.16	118.13	0
94.48	79.18	83.73	83.79	90.60	69.94	70.00	114.60	0
60.47	66.17	60.63	69.24	60.96	60.01	59.97	73.85	0
86.17	66.95	63.47			66.95	63.47	103.34	0
75.62	69.60	79.08			69.60	79.08	112.80	0
378.32	79.60	134.53	85.20	154.18	68.42	95.22	452.50	0
95.52	83.14	71.55	89.98	72.48	69.45	69.70	108.57	0
88.86	70.55	63.63	74.77	66.52	62.11	57.86	97.18	0
57.07	68.21	58.06	74.16	59.75	56.32	54.70	96.55	0
62.42	76.76	62.39	85.85	66.22	58.59	54.74	137.88	0
59.26	60.39	58.44			60.39	58.44	90.30	0
52.35	56.53	47.79			56.53	47.79	80.29	9
86.73	61.19	55.09	67.42	58.28	48.73	48.72	97.83	0
83.38	63.79	68.96	67.49	67.07	56.41	72.73	456.75	0
51.42	58.22	57.49	59.84	58.72	54.98	55.04	99.63	0
69.72	56.01	55.15	59.59	59.34	48.86	46.77	89.96	0
122.64	58.34	75.57	62.53	86.44	49.96	53.82	143.13	0
112.40	62.78	67.94			62.78	67.94	131.33	0
92.33	73.41	65.26			73.41	65.26	101.10	0
59.21	58.21	65.19	61.66	72.47	51.31	50.64	94.92	0
98.04	60.29	58.03	64.78	62.41	51.32	49.28	103.39	0
92.41	66.52	65.47	73.79	60.94	51.97	74.51	259.02	0
81.12	71.51	58.23	78.71	60.60	57.10	53.49	104.58	0

130.63	85.83	69.69	100.72	78.50	56.03	52.07	158.14	0
127.19	63.76	66.65			63.76	66.65	367.47	0
46.06	53.41	47.44			53.41	47.44	64.58	0
43.33	53.50	37.90			53.50	37.90	55.18	9
51.77	57.89	43.53	65.06	45.30	43.55	40.00	60.28	0
67.56	57.33	55.00	62.93	59.84	46.14	45.31	123.05	0
75.29	51.36	54.81	53.15	59.30	47.78	45.83	96.81	0
79.07	55.72	61.73	60.45	68.09	46.27	49.02	151.31	0
70.79	49.69	55.70			49.69	55.70	146.91	0
85.00	50.13	58.37			50.13	58.37	101.00	0
120.62	58.23	57.94	65.09	63.04	44.51	47.73	148.69	0
85.34	65.72	71.67	72.14	78.75	52.87	57.50	200.15	0
78.67	67.16	72.53	74.04	73.85	53.41	69.90	158.01	0
89.38	63.94	73.63	67.51	80.26	56.81	60.36	156.31	0
106.39	60.70	68.62	64.89	71.28	52.32	63.28	165.48	0
51.74	62.46	52.80			62.46	52.80	76.08	0
127.03	64.30	75.60			64.30	75.60	169.70	0
130.27	83.64	98.62	94.27	109.35	62.37	77.15	183.79	0
235.94	114.76	115.27	137.40	129.54	69.48	86.74	459.09	0
661.36	169.25	240.10	203.36	306.86	101.02	106.60	1062.60	0
377.74	224.56	220.35	261.10	247.65	151.48	165.76	426.14	0
186.37	217.82	186.28	241.66	164.71	170.13	229.42	483.07	0
167.11	145.84	128.72			145.84	128.72	610.39	0
364.72	142.83	159.20			142.83	159.20	599.31	0
152.42	137.67	121.95	155.75	129.50	101.51	106.85	357.15	0
65.89	95.25	69.54	102.17	66.97	81.40	74.68	101.92	0
93.94	91.51	71.09	102.42	76.74	69.67	59.79	113.15	0
354.74	102.78	140.59	118.69	173.95	70.94	73.87	494.61	0
103.12	100.70	105.91	110.70	102.89	80.69	111.95	161.70	0
106.27	83.50	100.85			83.50	100.85	282.18	0
76.08	85.82	61.41			85.82	61.41	112.00	4
65.20	97.67	65.77	109.20	67.88	74.60	61.54	78.34	0
135.10	100.89	84.96	115.77	95.70	71.12	63.48	153.96	0
265.53	98.48	123.54	111.69	146.84	72.06	76.92	378.87	0
218.59	149.10	133.11	185.80	163.11	75.69	73.09	343.11	0
129.36	142.71	124.61	165.61	120.72	96.92	132.39	285.56	0
162.71	112.99	125.24			112.99	125.24	369.23	0
171.04	114.65	126.92			114.65	126.92	278.50	0
168.53	170.68	195.04	205.17	233.62	101.70	117.89	431.38	0
288.10	163.42	198.06	190.15	216.31	109.96	161.54	434.33	0
127.10	109.48	94.77	112.42	93.13	103.60	98.04	163.85	0
82.15	98.52	85.04	112.20	86.38	71.16	82.36	189.87	0
63.55	79.91	63.73	84.23	62.60	71.27	65.98	92.01	0
59.02	69.71	60.21			69.71	60.21	94.66	0
72.24	67.46	63.59			67.46	63.59	90.79	0
112.53	82.08	70.22	88.09	73.56	70.07	63.54	184.39	0
88.85	74.32	73.26	78.04	73.47	66.89	72.85	135.78	0

98.56	74.95	85.29	77.81	88.78	69.23	78.30	137.90	0
106.09	79.03	81.38	83.20	84.67	70.68	74.80	151.71	0
151.45	90.25	77.90	99.09	84.18	72.57	65.36	229.31	0
115.37	90.46	76.51			90.46	76.51	136.37	0
83.18	82.14	82.23			82.14	82.23	201.77	0
99.59	84.40	92.20	89.05	98.07	75.08	80.47	137.33	0
76.10	98.84	88.99	107.14	90.18	82.22	86.61	154.32	0
128.23	107.33	86.53	121.00	94.11	79.97	71.38	227.90	0
158.68	98.41	98.38	109.23	107.72	76.76	79.71	217.52	0
154.46	98.42	97.68	106.57	106.84	82.13	79.38	213.89	0
120.19	82.43	86.36			82.43	86.36	134.49	0
119.06	78.53	81.96			78.53	81.96	141.68	0
234.59	101.04	102.53	113.23	116.73	76.67	74.12	286.72	0
159.57	111.53	100.78	127.13	112.26	80.32	77.82	301.06	0
70.93	92.45	73.46	97.19	73.22	82.96	73.95	106.97	0
85.59	75.22	66.40	78.52	68.06	68.64	63.09	106.65	0
110.72	74.13	74.75	79.38	75.84	63.63	72.59	133.73	0
60.34	75.84	58.49			75.84	58.49	68.29	0
121.55	80.69	77.76			80.69	77.76	149.20	0
150.99	79.07	109.37			79.07	109.37	352.59	0
121.11	83.00	91.98	86.16	86.98	76.67	101.99	464.65	0
61.77	78.42	61.41	79.55	61.11	76.16	62.01	72.32	0
75.80	70.81	59.85	75.83	63.10	60.75	53.35	95.54	0
80.51	70.98	58.85	75.79	61.92	61.36	52.70	104.56	0
80.86	68.54	69.69			68.54	69.69	115.25	0
65.89	72.78	67.65			72.78	67.65	114.57	0
87.49	82.78	72.54	90.15	75.52	68.03	66.60	115.59	0
92.73	82.85	72.32	89.74	75.97	69.08	65.00	102.82	0
84.41	69.30	69.35	72.00	69.92	63.88	68.20	122.93	0
103.82	71.21	69.00	73.10	68.83	67.44	69.35	146.26	0
61.90	67.55	57.41	70.21	58.68	62.23	54.87	86.12	0
56.01	59.81	50.85			59.81	50.85	95.76	0
109.35	68.50	65.88			68.50	65.88	127.15	0
70.39	85.40	67.44	94.05	69.77	68.09	62.78	84.22	0
80.98	75.93	62.85	80.42	65.66	66.94	57.24	94.45	0
85.10	69.49	65.31	75.28	70.98	57.90	53.98	97.98	0
134.79	69.86	77.50	74.50	89.25	60.58	54.01	154.07	0
41.19	60.14	36.87	61.92	32.70	56.58	45.21	53.35	17
46.78	40.41	15.86			40.41	15.86	55.66	47
50.00	41.71	36.74			41.71	36.74	64.73	0
78.67	50.72	49.40	52.48	52.90	47.20	42.39	86.28	0
58.02	49.93	45.86	51.96	45.51	45.87	46.56	84.81	0
57.42	50.57	46.08	52.94	47.69	45.84	42.86	72.62	0
54.06	49.10	42.84	50.52	43.97	46.26	40.56	67.68	0
70.78	51.11	45.79	52.40	47.86	48.52	41.63	85.88	0
48.68	50.44	46.48			50.44	46.48	98.90	0
65.86	43.40	46.48			43.40	46.48	89.38	0

100.17	51.19	65.43	52.28	72.17	49.01	51.96	125.35	0
79.38	58.68	62.80	61.80	69.65	52.44	49.10	106.47	0
65.84	57.34	59.51	63.61	65.95	44.81	46.63	92.00	0
74.51	59.86	63.72	62.85	63.28	53.88	64.58	124.16	0
93.09	59.23	64.06	60.25	70.22	57.18	51.73	125.19	0
77.75	59.70	47.31			59.70	47.31	119.60	11
67.58	52.89	48.00			52.89	48.00	118.94	0
119.80	65.14	82.32	74.38	100.09	46.67	46.77	123.11	0
120.34	65.54	66.56	67.63	69.27	61.36	61.14	136.67	0
81.11	64.87	60.47	66.83	63.96	60.93	53.50	113.11	0
80.62	59.26	63.08	64.62	72.18	48.56	44.88	95.77	0
61.07	54.25	50.09	57.95	53.15	46.85	43.95	92.01	0
54.68	45.80	41.69			45.80	41.69	62.19	0
70.94	45.03	45.56			45.03	45.56	75.95	0
65.99	60.49	51.40	69.16	57.77	43.15	38.65	133.67	0
66.83	54.02	49.77	57.69	53.67	46.67	41.98	90.86	0
49.93	51.86	41.97	54.69	42.02	46.19	41.89	76.52	4
53.61	49.57	40.50	51.41	40.28	45.90	40.94	97.39	14
70.17	46.25	48.30	47.49	50.66	43.77	43.59	105.23	0
68.94	43.52	47.23			43.52	47.23	78.17	0
86.20	50.75	51.91			50.75	51.91	96.73	0
85.99	55.27	57.18	62.05	66.86	41.73	37.82	92.98	0
66.94	53.70	50.11	59.69	54.60	41.73	41.11	87.03	0
64.11	54.13	47.48	59.90	51.19	42.59	40.06	69.95	0
59.92	41.61	40.51	42.01	41.77	40.82	37.98	64.36	0
73.74	47.94	49.84	51.06	53.99	41.71	41.52	89.94	0
63.20	49.57	50.74			49.57	50.74	85.36	0
65.03	44.97	42.33			44.97	42.33	79.76	0
56.20	55.09	46.83	62.10	48.84	41.07	42.80	87.90	0
66.51	53.27	51.07	59.90	55.73	40.01	41.76	81.88	0
68.85	40.52	43.44	42.98	46.59	35.59	37.14	83.00	0
71.44	48.11	48.16	50.63	52.28	43.08	39.93	93.96	0
52.47	41.31	39.30	44.63	42.15	34.68	33.58	92.99	0
42.75	28.89	27.51			28.89	27.51	70.58	0
64.49	27.18	40.60			27.18	40.60	102.64	0
202.29	39.57	47.78	43.25	53.25	32.19	36.84	483.32	0
70.56	38.68	31.82	40.22	36.87	35.60	21.73	77.83	0
70.03	44.08	40.11	46.65	43.83	38.96	32.67	87.65	0
39.45	35.64	31.60	37.25	33.28	32.41	28.25	55.26	0
62.92	41.83	42.57	46.76	48.26	31.98	31.20	91.43	0
38.63	35.77	31.44			35.77	31.44	51.56	0
55.93	34.92	31.88			34.92	31.88	68.90	0
152.28	58.03	50.45	65.32	60.92	43.46	29.51	157.46	0
141.20	73.87	75.19	79.74	80.63	62.15	64.31	200.77	0
123.52	59.18	74.52	63.54	85.21	50.47	53.13	130.65	0
169.28	66.03	81.66	71.55	92.68	54.99	59.62	205.23	0
64.64	74.78	74.83	78.58	78.99	67.18	66.51	185.76	0

182.28	85.03	100.93			85.03	100.93	255.30	0
347.46	115.98	191.21			115.98	191.21	414.44	0
257.92	154.87	214.13	163.31	212.03	137.99	218.33	458.45	0
138.33	123.12	100.85	118.82	97.53	131.73	107.49	245.24	0
87.61	82.66	80.21	83.09	87.16	81.81	66.32	154.12	0
59.60	75.65	69.90			75.65	69.90	123.50	0
102.08	64.40	83.93	63.78	88.29	65.65	75.23	149.24	0
113.40	60.77	61.38			60.77	61.38	125.54	0
79.71	64.51	69.04			64.51	69.04	120.10	0
101.05	67.50	64.98	74.64	69.59	53.21	55.74	122.06	0
85.18	70.47	61.48	72.30	64.62	66.82	55.21	120.31	0
101.21	60.29	74.29	64.64	81.48	51.58	59.91	129.92	0
143.38	83.64	71.51	95.53	82.32	59.86	49.89	266.60	0
95.13	68.37	63.71	71.80	66.59	61.52	57.95	139.80	0
37.22	49.74	31.20			49.74	31.20	49.36	3
51.75	47.88	35.44			47.88	35.44	70.31	10
79.39	52.98	45.62	56.34	48.84	46.27	39.17	100.05	0
59.48	46.70	45.03	51.07	47.28	37.94	40.52	88.23	0
45.08	47.66	45.02	51.45	44.92	40.08	45.24	198.99	0
72.15	45.68	45.09	49.17	49.10	38.70	37.07	129.76	0
48.73	51.63	42.01	55.98	45.03	42.92	35.97	67.56	0
120.28	74.46	55.66			74.46	55.66	159.27	10
163.88	85.63	82.87			85.63	82.87	196.22	0
324.67	106.97	201.99	123.59	240.31	73.73	125.36	392.41	1
263.58	146.68	178.24	146.02	202.49	148.00	129.73	334.36	0
282.91	174.04	208.70	179.64	213.67	162.84	198.77	360.37	0
102.44	107.43	101.41	102.10	102.52	118.11	99.17	198.94	0
96.18	97.07	93.71	101.97	101.58	87.26	77.98	164.27	0
109.43	101.63	72.81			101.63	72.81	159.74	0
149.60	125.51	112.85			125.51	112.85	233.83	0
332.67	150.64	159.59	166.20	162.33	119.50	154.10	419.42	0
175.75	134.58	128.82	146.73	141.42	110.28	103.62	208.23	0
119.38	119.60	106.82	120.73	108.02	117.34	104.41	312.44	3
129.49	99.36	98.40	101.57	101.25	94.95	92.71	261.57	0
257.93	162.10	207.57	204.55	258.68	77.20	105.36	488.19	3
2248.70	215.93	492.01			215.93	492.01	2807.57	0
245.09	253.80	258.77			253.80	258.77	475.61	0
374.05	267.73	234.39			267.73	234.39	502.36	2
201.79	238.29	181.81	255.65	189.96	203.56	165.53	300.09	0
174.71	226.26	165.43	234.86	158.22	209.06	179.86	331.01	0
130.53	98.14	109.78	82.83	99.59	128.75	130.16	211.40	0
54.22	53.84	41.40	53.44	38.97	54.65	46.26	80.18	0
61.12	39.30	45.17			39.30	45.17	78.41	0