

			1	2	3	4	5	6	7		
					beta	gamma					
Today			9/10/2020	1.338763	1	0.1116 8.9635	0.0833 12.0000	9			
Definition			T	"Herd" Susceptible	Infected	Resolved	Cum Infected	Daily Infected	Deaths (RH Axis->)	Daily Dead	
S	83,503,750	25%	330,000,000	3/14/2020	22	83,503,750	949,200	100,000	1,049,200	104,500	
I	3100	3100		3/15/2020	23	83,397,854	975,996	179,100	1,155,096	105,896	
R	50		3.473	3/16/2020	24	83,289,106	1,003,411	260,433	1,263,844	108,748	
b	0.1116			3/17/2020	25	83,177,450	1,031,449	344,051	1,375,500	111,656	
ynh	0.0833	8.9635		3/18/2020	26	83,062,828	1,060,118	430,005	1,490,122	114,623	
yd	0.083333333	12.0000		3/19/2020	27	82,945,181	1,089,421	518,348	1,607,769	117,646	
				3/20/2020	28	82,824,455	1,119,362	609,133	1,728,495	120,727	
				3/21/2020	29	82,700,591	1,149,946	702,413	1,852,359	123,864	
	IFR	0.50%		3/22/2020	30	82,573,533	1,181,176	798,242	1,979,417	127,058	
	R	1.34		3/23/2020	31	82,443,224	1,213,052	896,673	2,109,726	130,308	
	Herd Immunity Threshold	25%		3/24/2020	32	82,309,611	1,245,578	997,761	2,243,339	133,614	
				3/25/2020	33	82,172,637	1,278,754	1,101,559	2,380,313	136,974	
190,894	100% Reported Dead		190,894	3/26/2020	34	82,032,248	1,312,580	1,208,122	2,520,702	140,388	
	Model Dead		190,887	3/27/2020	35	81,888,393	1,347,053	1,317,504	2,664,557	143,856	
				3/28/2020	36	81,741,018	1,382,174	1,429,758	2,811,932	147,375	
	Peak Infection		3,917,633	3/29/2020	37	81,590,073	1,417,938	1,544,939	2,962,877	150,945	
	Peak Infection Day		6/8/2020	3/30/2020	38	81,435,508	1,454,341	1,663,101	3,117,442	154,565	
				3/31/2020	39	81,277,275	1,491,379	1,784,296	3,275,675	158,233	
	Peak Dead		208,239	4/1/2020	40	81,115,328	1,529,045	1,908,577	3,437,622	161,947	4,746
				4/2/2020	41	80,949,621	1,567,331	2,035,998	3,603,329	165,706	5,775
				4/3/2020	42	80,780,113	1,606,229	2,166,609	3,772,837	169,509	6,319
				4/4/2020	43	80,606,761	1,645,728	2,300,461	3,946,189	173,352	6,877
	date peak inf	6/8/2020	-	4/5/2020	44	80,429,527	1,685,817	2,437,605	4,123,423	177,234	7,451
		6/8/2020	90,000,000	4/6/2020	45	80,248,376	1,726,484	2,578,090	4,304,574	181,152	8,039
				4/7/2020	46	80,063,272	1,767,715	2,721,964	4,489,678	185,104	8,642
	date today	9/10/2020	-	4/8/2020	47	79,874,185	1,809,492	2,869,273	4,678,765	189,087	9,262
		9/10/2020	90,000,000	4/9/2020	48	79,681,086	1,851,800	3,020,064	4,871,864	193,099	9,897
				4/10/2020	49	79,483,950	1,894,619	3,174,381	5,069,000	197,136	10,549
	dai dead	9/10/2020	-	4/11/2020	50	79,282,755	1,937,929	3,332,266	5,270,195	201,195	11,217
		9/10/2020	1,678	4/12/2020	51	79,077,481	1,981,709	3,493,760	5,475,469	205,274	11,902
				4/13/2020	52	78,868,114	2,025,934	3,658,902	5,684,836	209,367	12,604
				4/14/2020	53	78,654,641	2,070,579	3,827,730	5,898,309	213,473	13,323
				4/15/2020	54	78,437,054	2,115,618	4,000,278	6,115,896	217,587	14,060
				4/16/2020	55	78,215,349	2,161,021	4,176,580	6,337,601	221,705	14,814
				4/17/2020	56	77,989,527	2,206,758	4,356,665	6,563,423	225,823	15,587
				4/18/2020	57	77,759,591	2,252,798	4,540,561	6,793,359	229,936	16,378
				4/19/2020	58	77,525,549	2,299,106	4,728,295	7,027,401	234,041	17,188
				4/20/2020	59	77,287,416	2,345,648	4,919,887	7,265,534	238,133	18,017
				4/21/2020	60	77,045,208	2,392,385	5,115,357	7,507,742	242,208	18,864
				4/22/2020	61	76,798,949	2,439,279	5,314,723	7,754,001	246,260	19,731
				4/23/2020	62	76,548,665	2,486,289	5,517,996	8,004,285	250,284	20,617
				4/24/2020	63	76,294,388	2,533,375	5,725,187	8,258,562	254,276	21,523
				4/25/2020	64	76,036,157	2,580,491	5,936,301	8,516,793	258,231	22,448
				4/26/2020	65	75,774,014	2,627,594	6,151,342	8,778,936	262,143	23,394
				4/27/2020	66	75,508,006	2,674,636	6,370,308	9,044,944	266,008	24,359
				4/28/2020	67	75,238,186	2,721,569	6,593,195	9,314,764	269,820	25,345
				4/29/2020	68	74,964,612	2,768,346	6,819,992	9,588,338	273,574	26,351
				4/30/2020	69	74,687,349	2,814,914	7,050,688	9,865,601	277,264	27,377
				5/1/2020	70	74,406,464	2,861,223	7,285,264	10,146,486	280,885	28,424
				5/2/2020	71	74,122,031	2,907,220	7,523,699	10,430,919	284,432	29,492
				5/3/2020	72	73,834,131	2,952,851	7,765,967	10,718,819	287,900	30,579

5/4/2020	73	73,542,848	2,998,063	8,012,038	11,010,102	291,283	31,688	1,109
5/5/2020	74	73,248,272	3,042,801	8,261,877	11,304,678	294,576	32,817	1,129
5/6/2020	75	72,950,498	3,087,008	8,515,444	11,602,452	297,774	33,967	1,150
5/7/2020	76	72,649,625	3,130,630	8,772,694	11,903,325	300,872	35,137	1,170
5/8/2020	77	72,345,760	3,173,610	9,033,580	12,207,190	303,866	36,328	1,191
5/9/2020	78	72,039,011	3,215,891	9,298,048	12,513,939	306,749	37,539	1,211
5/10/2020	79	71,729,493	3,257,418	9,566,039	12,823,457	309,518	38,770	1,231
5/11/2020	80	71,417,326	3,298,134	9,837,490	13,135,624	312,167	40,021	1,251
5/12/2020	81	71,102,632	3,337,984	10,112,335	13,450,318	314,694	41,293	1,271
5/13/2020	82	70,785,539	3,376,911	10,390,500	13,767,411	317,093	42,584	1,291
5/14/2020	83	70,466,179	3,414,862	10,671,909	14,086,771	319,360	43,895	1,311
5/15/2020	84	70,144,687	3,451,782	10,956,481	14,408,263	321,492	45,225	1,330
5/16/2020	85	69,821,202	3,487,619	11,244,130	14,731,748	323,485	46,574	1,349
5/17/2020	86	69,495,865	3,522,320	11,534,764	15,057,085	325,336	47,942	1,368
5/18/2020	87	69,168,823	3,555,836	11,828,291	15,384,127	327,043	49,328	1,386
5/19/2020	88	68,840,222	3,588,117	12,124,611	15,712,728	328,601	50,732	1,404
5/20/2020	89	68,510,213	3,619,116	12,423,621	16,042,737	330,009	52,155	1,422
5/21/2020	90	68,178,949	3,648,787	12,725,214	16,374,001	331,264	53,594	1,439
5/22/2020	91	67,846,584	3,677,086	13,029,279	16,706,366	332,365	55,051	1,456
5/23/2020	92	67,513,274	3,703,972	13,335,703	17,039,676	333,310	56,523	1,473
5/24/2020	93	67,179,177	3,729,406	13,644,367	17,373,773	334,098	58,012	1,489
5/25/2020	94	66,844,450	3,753,349	13,955,151	17,708,500	334,727	59,517	1,504
5/26/2020	95	66,509,252	3,775,767	14,267,930	18,043,698	335,197	61,036	1,519
5/27/2020	96	66,173,744	3,796,629	14,582,578	18,379,206	335,509	62,570	1,534
5/28/2020	97	65,838,083	3,815,903	14,898,963	18,714,867	335,660	64,117	1,548
5/29/2020	98	65,502,430	3,833,565	15,216,955	19,050,520	335,653	65,678	1,561
5/30/2020	99	65,166,942	3,849,589	15,536,419	19,386,008	335,488	67,252	1,573
5/31/2020	100	64,831,778	3,863,954	15,857,218	19,721,172	335,165	68,837	1,585
6/1/2020	101	64,497,093	3,876,643	16,179,214	20,055,857	334,685	70,434	1,597
6/2/2020	102	64,163,042	3,887,640	16,502,268	20,389,908	334,051	72,041	1,607
6/3/2020	103	63,829,779	3,896,933	16,826,238	20,723,171	333,263	73,659	1,617
6/4/2020	104	63,497,454	3,904,514	17,150,982	21,055,496	332,325	75,285	1,627
6/5/2020	105	63,166,217	3,910,375	17,476,358	21,386,733	331,238	76,921	1,635
6/6/2020	106	62,836,212	3,914,515	17,802,223	21,716,738	330,004	78,564	1,643
6/7/2020	107	62,507,584	3,916,933	18,128,433	22,045,366	328,628	80,214	1,650
6/8/2020	108	62,180,473	3,917,633	18,454,844	22,372,477	327,111	81,870	1,656
6/9/2020	109	61,855,016	3,916,621	18,781,313	22,697,934	325,457	83,532	1,662
6/10/2020	110	61,531,345	3,913,906	19,107,698	23,021,605	323,670	85,198	1,667
6/11/2020	111	61,209,592	3,909,501	19,433,857	23,343,358	321,753	86,869	1,670
6/12/2020	112	60,889,881	3,903,420	19,759,649	23,663,069	319,711	88,543	1,674
6/13/2020	113	60,572,335	3,895,681	20,084,934	23,980,615	317,546	90,218	1,676
6/14/2020	114	60,257,071	3,886,305	20,409,574	24,295,879	315,264	91,896	1,678
6/15/2020	115	59,944,203	3,875,314	20,733,433	24,608,747	312,868	93,574	1,678
6/16/2020	116	59,633,840	3,862,735	21,056,375	24,919,110	310,363	95,253	1,678
6/17/2020	117	59,326,086	3,848,594	21,378,270	25,226,864	307,754	96,930	1,677
6/18/2020	118	59,021,040	3,832,923	21,698,986	25,531,910	305,045	98,606	1,676
6/19/2020	119	58,718,799	3,815,754	22,018,396	25,834,151	302,241	100,279	1,673
6/20/2020	120	58,419,453	3,797,121	22,336,376	26,133,497	299,346	101,950	1,670
6/21/2020	121	58,123,087	3,777,060	22,652,803	26,429,863	296,366	103,616	1,666
6/22/2020	122	57,829,782	3,755,610	22,967,558	26,723,168	293,305	105,277	1,662
6/23/2020	123	57,539,615	3,732,810	23,280,525	27,013,335	290,167	106,934	1,656
6/24/2020	124	57,252,657	3,708,701	23,591,593	27,300,293	286,959	108,584	1,650
6/25/2020	125	56,968,973	3,683,326	23,900,651	27,583,977	283,683	110,227	1,643
6/26/2020	126	56,688,627	3,656,728	24,207,595	27,864,323	280,346	111,862	1,636
6/27/2020	127	56,411,675	3,628,953	24,512,322	28,141,275	276,952	113,490	1,627
6/28/2020	128	56,138,169	3,600,046	24,814,735	28,414,781	273,506	115,108	1,618
6/29/2020	129	55,868,157	3,570,054	25,114,739	28,684,793	270,012	116,717	1,609

0.2 5
0.083333333 12

5
224

155

6/30/2020	130	55,601,682	3,539,024	25,412,243	28,951,268	266,474	118,315	1,599
7/1/2020	131	55,338,784	3,507,004	25,707,162	29,214,166	262,898	119,903	1,588
7/2/2020	132	55,079,496	3,474,041	25,999,412	29,473,454	259,288	121,479	1,576
7/3/2020	133	54,823,849	3,440,185	26,288,916	29,729,101	255,647	123,044	1,564
7/4/2020	134	54,571,868	3,405,484	26,575,598	29,981,082	251,981	124,596	1,552
7/5/2020	135	54,323,575	3,369,987	26,859,388	30,229,375	248,293	126,134	1,539
7/6/2020	136	54,078,988	3,333,741	27,140,221	30,473,962	244,587	127,660	1,525
7/7/2020	137	53,838,122	3,296,796	27,418,032	30,714,828	240,867	129,171	1,511
7/8/2020	138	53,600,985	3,259,200	27,692,765	30,951,965	237,136	130,667	1,497
7/9/2020	139	53,367,585	3,220,999	27,964,365	31,185,365	233,400	132,149	1,482
7/10/2020	140	53,137,926	3,182,242	28,232,782	31,415,024	229,660	133,616	1,467
7/11/2020	141	52,912,006	3,142,975	28,497,969	31,640,944	225,920	135,067	1,451
7/12/2020	142	52,689,823	3,103,244	28,759,883	31,863,127	222,183	136,501	1,435
7/13/2020	143	52,471,369	3,063,094	29,018,487	32,081,581	218,454	137,920	1,418
7/14/2020	144	52,256,636	3,022,569	29,273,745	32,296,314	214,733	139,322	1,402
7/15/2020	145	52,045,611	2,981,713	29,525,626	32,507,339	211,025	140,706	1,385
7/16/2020	146	51,838,279	2,940,569	29,774,102	32,714,671	207,332	142,074	1,368
7/17/2020	147	51,634,622	2,899,179	30,019,149	32,918,328	203,657	143,424	1,350
7/18/2020	148	51,434,621	2,857,581	30,260,747	33,118,329	200,001	144,756	1,332
7/19/2020	149	51,238,253	2,815,818	30,498,879	33,314,697	196,368	146,071	1,314
7/20/2020	150	51,045,494	2,773,925	30,733,531	33,507,456	192,759	147,367	1,296
7/21/2020	151	50,856,317	2,731,942	30,964,691	33,696,633	189,177	148,646	1,278
7/22/2020	152	50,670,693	2,689,904	31,192,353	33,882,257	185,623	149,905	1,260
7/23/2020	153	50,488,593	2,647,845	31,416,512	34,064,357	182,100	151,147	1,241
7/24/2020	154	50,309,985	2,605,800	31,637,165	34,242,965	178,609	152,370	1,223
7/25/2020	155	50,134,834	2,563,800	31,854,315	34,418,116	175,151	153,574	1,204
7/26/2020	156	49,963,107	2,521,878	32,067,965	34,589,843	171,728	154,760	1,186
7/27/2020	157	49,794,766	2,480,062	32,278,122	34,758,184	168,341	155,927	1,167
7/28/2020	158	49,629,774	2,438,383	32,484,794	34,923,176	164,992	157,075	1,148
7/29/2020	159	49,468,092	2,396,866	32,687,992	35,084,858	161,682	158,205	1,130
7/30/2020	160	49,309,681	2,355,538	32,887,731	35,243,269	158,411	159,316	1,111
7/31/2020	161	49,154,500	2,314,424	33,084,026	35,398,450	155,181	160,408	1,092
8/1/2020	162	49,002,508	2,273,548	33,276,894	35,550,442	151,993	161,482	1,074
8/2/2020	163	48,853,661	2,232,932	33,466,357	35,699,289	148,847	162,537	1,055
8/3/2020	164	48,707,918	2,192,598	33,652,435	35,845,032	145,743	163,573	1,037
8/4/2020	165	48,565,234	2,152,565	33,835,151	35,987,716	142,684	164,592	1,018
8/5/2020	166	48,425,565	2,112,853	34,014,531	36,127,385	139,668	165,592	1,000
8/6/2020	167	48,288,868	2,073,480	34,190,603	36,264,082	136,697	166,573	982
8/7/2020	168	48,155,096	2,034,461	34,363,393	36,397,854	133,771	167,537	964
8/8/2020	169	48,024,206	1,995,813	34,532,931	36,528,744	130,890	168,483	946
8/9/2020	170	47,896,151	1,957,550	34,699,249	36,656,799	128,055	169,411	928
8/10/2020	171	47,770,886	1,919,686	34,862,378	36,782,064	125,265	170,322	911
8/11/2020	172	47,648,365	1,882,233	35,022,352	36,904,585	122,521	171,215	893
8/12/2020	173	47,528,543	1,845,203	35,179,205	37,024,407	119,822	172,091	876
8/13/2020	174	47,411,373	1,808,605	35,332,971	37,141,577	117,170	172,949	859
8/14/2020	175	47,296,810	1,772,451	35,483,689	37,256,140	114,563	173,791	842
8/15/2020	176	47,184,809	1,736,748	35,631,393	37,368,141	112,001	174,616	825
8/16/2020	177	47,075,324	1,701,504	35,776,122	37,477,626	109,485	175,424	808
8/17/2020	178	46,968,310	1,666,727	35,917,914	37,584,640	107,015	176,216	792
8/18/2020	179	46,863,721	1,632,422	36,056,808	37,689,229	104,589	176,992	776
8/19/2020	180	46,761,513	1,598,595	36,192,843	37,791,437	102,208	177,752	760
8/20/2020	181	46,661,641	1,565,250	36,326,059	37,891,309	99,872	178,496	744
8/21/2020	182	46,564,061	1,532,393	36,456,497	37,988,889	97,580	179,225	729
8/22/2020	183	46,468,729	1,500,025	36,584,196	38,084,221	95,332	179,939	713
8/23/2020	184	46,375,602	1,468,150	36,709,198	38,177,348	93,127	180,637	698
8/24/2020	185	46,284,637	1,436,769	36,831,544	38,268,313	90,965	181,320	683
8/25/2020	186	46,195,790	1,405,885	36,951,275	38,357,160	88,847	181,989	669

8/26/2020	187	46,109,020	1,375,498	37,068,432	38,443,930	86,770	182,644	654
8/27/2020	188	46,024,285	1,345,608	37,183,057	38,528,665	84,735	183,284	640
8/28/2020	189	45,941,544	1,316,215	37,295,191	38,611,406	82,741	183,910	626
8/29/2020	190	45,860,756	1,287,319	37,404,875	38,692,194	80,788	184,523	613
8/30/2020	191	45,781,880	1,258,918	37,512,152	38,771,070	78,876	185,122	599
8/31/2020	192	45,704,877	1,231,011	37,617,062	38,848,073	77,003	185,708	586
9/1/2020	193	45,629,708	1,203,596	37,719,646	38,923,242	75,169	186,281	573
9/2/2020	194	45,556,333	1,176,671	37,819,946	38,996,617	73,374	186,841	560
9/3/2020	195	45,484,716	1,150,233	37,918,002	39,068,234	71,618	187,388	547
9/4/2020	196	45,414,817	1,124,279	38,013,854	39,138,133	69,898	187,923	535
9/5/2020	197	45,346,601	1,098,805	38,107,544	39,206,349	68,216	188,446	523
9/6/2020	198	45,280,030	1,073,808	38,199,111	39,272,920	66,570	188,957	511
9/7/2020	199	45,215,070	1,049,285	38,288,595	39,337,880	64,961	189,457	499
9/8/2020	200	45,151,684	1,025,231	38,376,036	39,401,266	63,386	189,944	488
9/9/2020	201	45,089,838	1,001,641	38,461,472	39,463,112	61,846	190,421	477
9/10/2020	202	45,029,497	978,511	38,544,942	39,523,453	60,340	190,887	466
9/11/2020	203	44,970,629	955,836	38,626,484	39,582,321	58,868	191,342	455
9/12/2020	204	44,913,201	933,612	38,706,137	39,639,749	57,429	191,786	444
9/13/2020	205	44,857,179	911,833	38,783,938	39,695,771	56,022	192,220	434
9/14/2020	206	44,802,532	890,493	38,859,924	39,750,418	54,647	192,643	424
9/15/2020	207	44,749,230	869,588	38,934,132	39,803,720	53,303	193,057	414
9/16/2020	208	44,697,240	849,112	39,006,598	39,855,710	51,990	193,461	404
9/17/2020	209	44,646,534	829,059	39,077,357	39,906,416	50,706	193,855	394
9/18/2020	210	44,597,081	809,423	39,146,445	39,955,869	49,453	194,240	385
9/19/2020	211	44,548,853	790,199	39,213,897	40,004,097	48,228	194,616	376
9/20/2020	212	44,501,822	771,381	39,279,747	40,051,128	47,032	194,983	367
9/21/2020	213	44,455,959	752,962	39,344,029	40,096,991	45,863	195,341	358
9/22/2020	214	44,411,237	734,937	39,406,776	40,141,713	44,722	195,691	349
9/23/2020	215	44,367,629	717,300	39,468,021	40,185,321	43,607	196,032	341
9/24/2020	216	44,325,110	700,044	39,527,796	40,227,840	42,519	196,365	333
9/25/2020	217	44,283,654	683,163	39,586,133	40,269,296	41,456	196,689	325
9/26/2020	218	44,243,235	666,652	39,643,063	40,309,715	40,419	197,006	317
9/27/2020	219	44,203,829	650,504	39,698,617	40,349,121	39,406	197,316	309
9/28/2020	220	44,165,412	634,712	39,752,826	40,387,538	38,417	197,617	302
9/29/2020	221	44,127,960	619,272	39,805,719	40,424,990	37,452	197,912	294
9/30/2020	222	44,091,450	604,176	39,857,325	40,461,500	36,510	198,199	287
10/1/2020	223	44,055,859	589,418	39,907,673	40,497,091	35,590	198,479	280
10/2/2020	224	44,021,166	574,993	39,956,791	40,531,784	34,693	198,752	273
10/3/2020	225	43,987,349	560,894	40,004,707	40,565,601	33,817	199,019	267
10/4/2020	226	43,954,386	547,116	40,051,448	40,598,564	32,963	199,279	260
10/5/2020	227	43,922,257	533,652	40,097,041	40,630,693	32,129	199,532	254
10/6/2020	228	43,890,941	520,497	40,141,512	40,662,009	31,315	199,779	247
10/7/2020	229	43,860,420	507,644	40,184,887	40,692,530	30,522	200,020	241
10/8/2020	230	43,830,672	495,087	40,227,190	40,722,278	29,747	200,256	235
10/9/2020	231	43,801,680	482,822	40,268,448	40,751,270	28,992	200,485	229
10/10/2020	232	43,773,425	470,842	40,308,683	40,779,525	28,255	200,709	224
10/11/2020	233	43,745,889	459,141	40,347,920	40,807,061	27,536	200,927	218
10/12/2020	234	43,719,054	447,714	40,386,181	40,833,896	26,835	201,139	213
10/13/2020	235	43,692,903	436,556	40,423,491	40,860,047	26,151	201,346	207
10/14/2020	236	43,667,420	425,660	40,459,871	40,885,530	25,484	201,549	202
10/15/2020	237	43,642,586	415,022	40,495,342	40,910,364	24,833	201,746	197
10/16/2020	238	43,618,387	404,636	40,529,927	40,934,563	24,199	201,938	192
10/17/2020	239	43,594,807	394,496	40,563,647	40,958,143	23,580	202,125	187
10/18/2020	240	43,571,830	384,599	40,596,522	40,981,120	22,977	202,308	183
10/19/2020	241	43,549,441	374,937	40,628,572	41,003,509	22,389	202,485	178
10/20/2020	242	43,527,626	365,508	40,659,816	41,025,324	21,815	202,659	173
10/21/2020	243	43,506,370	356,305	40,690,275	41,046,580	21,256	202,828	169

10/22/2020	244	43,485,659	347,323	40,719,967	41,067,291	20,711	202,993	165
10/23/2020	245	43,465,481	338,558	40,748,911	41,087,469	20,179	203,153	161
10/24/2020	246	43,445,820	330,006	40,777,124	41,107,130	19,660	203,310	157
10/25/2020	247	43,426,665	321,660	40,804,625	41,126,285	19,155	203,463	153
10/26/2020	248	43,408,002	313,518	40,831,430	41,144,948	18,663	203,611	149
10/27/2020	249	43,389,820	305,574	40,857,556	41,163,130	18,182	203,756	145
10/28/2020	250	43,372,106	297,823	40,883,021	41,180,844	17,714	203,898	141
10/29/2020	251	43,354,848	290,263	40,907,839	41,198,102	17,258	204,035	138
10/30/2020	252	43,338,035	282,887	40,932,028	41,214,915	16,813	204,169	134
10/31/2020	253	43,321,656	275,692	40,955,602	41,231,294	16,379	204,300	131
11/1/2020	254	43,305,699	268,675	40,978,576	41,247,251	15,957	204,428	127
11/2/2020	255	43,290,154	261,830	41,000,966	41,262,796	15,545	204,552	124
11/3/2020	256	43,275,011	255,155	41,022,785	41,277,939	15,143	204,673	121
11/4/2020	257	43,260,258	248,644	41,044,048	41,292,692	14,752	204,791	118
11/5/2020	258	43,245,887	242,294	41,064,768	41,307,063	14,371	204,906	115
11/6/2020	259	43,231,888	236,102	41,084,959	41,321,062	13,999	205,018	112
11/7/2020	260	43,218,251	230,064	41,104,634	41,334,699	13,637	205,127	109
11/8/2020	261	43,204,967	224,176	41,123,807	41,347,983	13,284	205,233	106
11/9/2020	262	43,192,027	218,435	41,142,488	41,360,923	12,940	205,336	104
11/10/2020	263	43,179,422	212,837	41,160,691	41,373,528	12,605	205,437	101
11/11/2020	264	43,167,144	207,379	41,178,427	41,385,806	12,278	205,536	98
11/12/2020	265	43,155,183	202,058	41,195,709	41,397,767	11,960	205,631	96
11/13/2020	266	43,143,533	196,870	41,212,547	41,409,417	11,650	205,725	93
11/14/2020	267	43,132,186	191,812	41,228,953	41,420,764	11,348	205,816	91
11/15/2020	268	43,121,132	186,881	41,244,937	41,431,818	11,053	205,904	89
11/16/2020	269	43,110,366	182,074	41,260,510	41,442,584	10,766	205,991	86
11/17/2020	270	43,099,879	177,388	41,275,683	41,453,071	10,487	206,075	84
11/18/2020	271	43,089,665	172,820	41,290,466	41,463,285	10,214	206,156	82
11/19/2020	272	43,079,716	168,367	41,304,867	41,473,234	9,949	206,236	80
11/20/2020	273	43,070,025	164,027	41,318,898	41,482,925	9,691	206,314	78
11/21/2020	274	43,060,586	159,797	41,332,567	41,492,364	9,439	206,390	76
11/22/2020	275	43,051,393	155,674	41,345,883	41,501,557	9,193	206,463	74
11/23/2020	276	43,042,439	151,655	41,358,856	41,510,511	8,954	206,535	72
11/24/2020	277	43,033,718	147,738	41,371,494	41,519,232	8,721	206,605	70
11/25/2020	278	43,025,224	143,921	41,383,805	41,527,726	8,494	206,673	68
11/26/2020	279	43,016,951	140,200	41,395,799	41,535,999	8,273	206,740	66
11/27/2020	280	43,008,894	136,574	41,407,482	41,544,056	8,058	206,805	65
11/28/2020	281	43,001,046	133,041	41,418,863	41,551,904	7,848	206,868	63
11/29/2020	282	42,993,402	129,597	41,429,950	41,559,548	7,643	206,929	61
11/30/2020	283	42,985,958	126,242	41,440,750	41,566,992	7,444	206,989	60
12/1/2020	284	42,978,708	122,972	41,451,270	41,574,242	7,250	207,047	58
12/2/2020	285	42,971,647	119,785	41,461,518	41,581,303	7,061	207,104	57
12/3/2020	286	42,964,770	116,680	41,471,500	41,588,180	6,877	207,159	55
12/4/2020	287	42,958,072	113,655	41,481,223	41,594,878	6,698	207,213	54
12/5/2020	288	42,951,549	110,706	41,490,694	41,601,401	6,523	207,265	52
12/6/2020	289	42,945,196	107,834	41,499,920	41,607,754	6,353	207,316	51
12/7/2020	290	42,939,009	105,035	41,508,906	41,613,941	6,187	207,366	50
12/8/2020	291	42,932,984	102,307	41,517,659	41,619,966	6,026	207,415	48
12/9/2020	292	42,927,115	99,650	41,526,184	41,625,835	5,868	207,462	47
12/10/2020	293	42,921,400	97,061	41,534,489	41,631,550	5,715	207,508	46
12/11/2020	294	42,915,834	94,539	41,542,577	41,637,116	5,566	207,553	45
12/12/2020	295	42,910,414	92,081	41,550,455	41,642,536	5,421	207,596	44
12/13/2020	296	42,905,135	89,686	41,558,129	41,647,815	5,279	207,639	42
12/14/2020	297	42,899,994	87,354	41,565,603	41,652,956	5,141	207,680	41
12/15/2020	298	42,894,987	85,081	41,572,882	41,657,963	5,007	207,720	40
12/16/2020	299	42,890,111	82,867	41,579,972	41,662,839	4,876	207,760	39
12/17/2020	300	42,885,363	80,710	41,586,878	41,667,587	4,748	207,798	38

12/18/2020	301	42,880,738	78,608	41,593,603	41,672,212	4,624	207,835	37
12/19/2020	302	42,876,235	76,561	41,600,154	41,676,715	4,503	207,871	36
12/20/2020	303	42,871,849	74,567	41,606,534	41,681,101	4,386	207,907	35
12/21/2020	304	42,867,578	72,624	41,612,748	41,685,372	4,271	207,941	34
12/22/2020	305	42,863,419	70,731	41,618,800	41,689,531	4,159	207,974	33
12/23/2020	306	42,859,368	68,887	41,624,694	41,693,582	4,051	208,007	33
12/24/2020	307	42,855,424	67,091	41,630,435	41,697,526	3,945	208,039	32
12/25/2020	308	42,851,582	65,342	41,636,026	41,701,368	3,841	208,070	31
12/26/2020	309	42,847,841	63,638	41,641,471	41,705,109	3,741	208,100	30
12/27/2020	310	42,844,198	61,977	41,646,774	41,708,752	3,643	208,129	29
12/28/2020	311	42,840,651	60,360	41,651,939	41,712,299	3,548	208,158	29
12/29/2020	312	42,837,196	58,785	41,656,969	41,715,754	3,455	208,186	28
12/30/2020	313	42,833,832	57,251	41,661,868	41,719,118	3,364	208,213	27
12/31/2020	314	42,830,555	55,756	41,666,639	41,722,395	3,276	208,239	26

		1	2	3	4	5	6	7	9
Today		TODAY()	L3/M3	L3*12	beta 1/L4	gamma 1/M4	8.9635	12.0000	9
Definition			"Herd" Susceptible	Infected	Resolved	Cum Infected	Daily Infected	Deaths (RH Axis->)	Daily Dead
S	H6*G6	H16	330,000,000	F6	Q24/H14	L6+N6	L6+N6		
I	3100	31/0.01		K6-(K6/F56)*(F59*L6)	L6+(K6/F56)*(F59*L6)-(L6*F510)	M6+1	N6+(L6*F510)	L7+N7	07-06
R	5		3.473	K7-(K7/F56)*(F59*L7)	L7+(K7/F56)*(F59*L7)-(L7*F510)	M7+1	N7+(L7*F510)	L8+N8	08-07
b	L3			K8-(K8/F56)*(F59*L8)	L8+(K8/F56)*(F59*L8)-(L8*F510)	M8+1	N8+(L8*F510)	L9+N9	09-08
ynh	M3	L4		K9-(K9/F56)*(F59*L9)	L9+(K9/F56)*(F59*L9)-(L9*F510)	M9+1	N9+(L9*F510)	L10+N10	10-09
yd	1/G12	M4		K10-(K10/F56)*(F59*L10)	L10+(K10/F56)*(F59*L10)-(L10*F510)	M10+1	N10+(L10*F510)	L11+N11	11-10
				K11-(K11/F56)*(F59*L11)	L11+(K11/F56)*(F59*L11)-(L11*F510)	M11+1	N11+(L11*F510)	L12+N12	12-11
				K12-(K12/F56)*(F59*L12)	L12+(K12/F56)*(F59*L12)-(L12*F510)	M12+1	N12+(L12*F510)	L13+N13	13-12
			0.50%	K13-(K13/F56)*(F59*L13)	L13+(K13/F56)*(F59*L13)-(L13*F510)	M13+1	N13+(L13*F510)	L14+N14	14-13
				K14-(K14/F56)*(F59*L14)	L14+(K14/F56)*(F59*L14)-(L14*F510)	M14+1	N14+(L14*F510)	L15+N15	15-14
				K15-(K15/F56)*(F59*L15)	L15+(K15/F56)*(F59*L15)-(L15*F510)	M15+1	N15+(L15*F510)	L16+N16	16-15
				K16-(K16/F56)*(F59*L16)	L16+(K16/F56)*(F59*L16)-(L16*F510)	M16+1	N16+(L16*F510)	L17+N17	17-16
				K17-(K17/F56)*(F59*L17)	L17+(K17/F56)*(F59*L17)-(L17*F510)	M17+1	N17+(L17*F510)	L18+N18	18-17
				K18-(K18/F56)*(F59*L18)	L18+(K18/F56)*(F59*L18)-(L18*F510)	M18+1	N18+(L18*F510)	L19+N19	19-18
				K19-(K19/F56)*(F59*L19)	L19+(K19/F56)*(F59*L19)-(L19*F510)	M19+1	N19+(L19*F510)	L20+N20	20-19
				K20-(K20/F56)*(F59*L20)	L20+(K20/F56)*(F59*L20)-(L20*F510)	M20+1	N20+(L20*F510)	L21+N21	21-20
				K21-(K21/F56)*(F59*L21)	L21+(K21/F56)*(F59*L21)-(L21*F510)	M21+1	N21+(L21*F510)	L22+N22	22-21
				K22-(K22/F56)*(F59*L22)	L22+(K22/F56)*(F59*L22)-(L22*F510)	M22+1	N22+(L22*F510)	L23+N23	23-22
				K23-(K23/F56)*(F59*L23)	L23+(K23/F56)*(F59*L23)-(L23*F510)	M23+1	N23+(L23*F510)	L24+N24	24-23
				K24-(K24/F56)*(F59*L24)	L24+(K24/F56)*(F59*L24)-(L24*F510)	M24+1	N24+(L24*F510)	L25+N25	25-24
				K25-(K25/F56)*(F59*L25)	L25+(K25/F56)*(F59*L25)-(L25*F510)	M25+1	N25+(L25*F510)	L26+N26	26-25
				K26-(K26/F56)*(F59*L26)	L26+(K26/F56)*(F59*L26)-(L26*F510)	M26+1	N26+(L26*F510)	L27+N27	27-26
				K27-(K27/F56)*(F59*L27)	L27+(K27/F56)*(F59*L27)-(L27*F510)	M27+1	N27+(L27*F510)	L28+N28	28-27
				K28-(K28/F56)*(F59*L28)	L28+(K28/F56)*(F59*L28)-(L28*F510)	M28+1	N28+(L28*F510)	L29+N29	29-28
				K29-(K29/F56)*(F59*L29)	L29+(K29/F56)*(F59*L29)-(L29*F510)	M29+1	N29+(L29*F510)	L30+N30	30-29
				K30-(K30/F56)*(F59*L30)	L30+(K30/F56)*(F59*L30)-(L30*F510)	M30+1	N30+(L30*F510)	L31+N31	31-30
				K31-(K31/F56)*(F59*L31)	L31+(K31/F56)*(F59*L31)-(L31*F510)	M31+1	N31+(L31*F510)	L32+N32	32-31
				K32-(K32/F56)*(F59*L32)	L32+(K32/F56)*(F59*L32)-(L32*F510)	M32+1	N32+(L32*F510)	L33+N33	33-32
				K33-(K33/F56)*(F59*L33)	L33+(K33/F56)*(F59*L33)-(L33*F510)	M33+1	N33+(L33*F510)	L34+N34	34-33
				K34-(K34/F56)*(F59*L34)	L34+(K34/F56)*(F59*L34)-(L34*F510)	M34+1	N34+(L34*F510)	L35+N35	35-34
				K35-(K35/F56)*(F59*L35)	L35+(K35/F56)*(F59*L35)-(L35*F510)	M35+1	N35+(L35*F510)	L36+N36	36-35
				K36-(K36/F56)*(F59*L36)	L36+(K36/F56)*(F59*L36)-(L36*F510)	M36+1	N36+(L36*F510)	L37+N37	37-36
				K37-(K37/F56)*(F59*L37)	L37+(K37/F56)*(F59*L37)-(L37*F510)	M37+1	N37+(L37*F510)	L38+N38	38-37
				K38-(K38/F56)*(F59*L38)	L38+(K38/F56)*(F59*L38)-(L38*F510)	M38+1	N38+(L38*F510)	L39+N39	39-38
				K39-(K39/F56)*(F59*L39)	L39+(K39/F56)*(F59*L39)-(L39*F510)	M39+1	N39+(L39*F510)	L40+N40	40-39
				K40-(K40/F56)*(F59*L40)	L40+(K40/F56)*(F59*L40)-(L40*F510)	M40+1	N40+(L40*F510)	L41+N41	41-40
				K41-(K41/F56)*(F59*L41)	L41+(K41/F56)*(F59*L41)-(L41*F510)	M41+1	N41+(L41*F510)	L42+N42	42-41
				K42-(K42/F56)*(F59*L42)	L42+(K42/F56)*(F59*L42)-(L42*F510)	M42+1	N42+(L42*F510)	L43+N43	43-42
				K43-(K43/F56)*(F59*L43)	L43+(K43/F56)*(F59*L43)-(L43*F510)	M43+1	N43+(L43*F510)	L44+N44	44-43
				K44-(K44/F56)*(F59*L44)	L44+(K44/F56)*(F59*L44)-(L44*F510)	M44+1	N44+(L44*F510)	L45+N45	45-44
				K45-(K45/F56)*(F59*L45)	L45+(K45/F56)*(F59*L45)-(L45*F510)	M45+1	N45+(L45*F510)	L46+N46	46-45
				K46-(K46/F56)*(F59*L46)	L46+(K46/F56)*(F59*L46)-(L46*F510)	M46+1	N46+(L46*F510)	L47+N47	47-46
				K47-(K47/F56)*(F59*L47)	L47+(K47/F56)*(F59*L47)-(L47*F510)	M47+1	N47+(L47*F510)	L48+N48	48-47
				K48-(K48/F56)*(F59*L48)	L48+(K48/F56)*(F59*L48)-(L48*F510)	M48+1	N48+(L48*F510)	L49+N49	49-48
				K49-(K49/F56)*(F59*L49)	L49+(K49/F56)*(F59*L49)-(L49*F510)	M49+1	N49+(L49*F510)	L50+N50	50-49
				K50-(K50/F56)*(F59*L50)	L50+(K50/F56)*(F59*L50)-(L50*F510)	M50+1	N50+(L50*F510)	L51+N51	51-50
				K51-(K51/F56)*(F59*L51)	L51+(K51/F56)*(F59*L51)-(L51*F510)	M51+1	N51+(L51*F510)	L52+N52	52-51
				K52-(K52/F56)*(F59*L52)	L52+(K52/F56)*(F59*L52)-(L52*F510)	M52+1	N52+(L52*F510)	L53+N53	53-52
				K53-(K53/F56)*(F59*L53)	L53+(K53/F56)*(F59*L53)-(L53*F510)	M53+1	N53+(L53*F510)	L54+N54	54-53
				K54-(K54/F56)*(F59*L54)	L54+(K54/F56)*(F59*L54)-(L54*F510)	M54+1	N54+(L54*F510)	L55+N55	55-54
				K55-(K55/F56)*(F59*L55)	L55+(K55/F56)*(F59*L55)-(L55*F510)	M55+1	N55+(L55*F510)	L56+N56	56-55
				K56-(K56/F56)*(F59*L56)	L56+(K56/F56)*(F59*L56)-(L56*F510)	M56+1	N56+(L56*F510)	L57+N57	57-56
				K57-(K57/F56)*(F59*L57)	L57+(K57/F56)*(F59*L57)-(L57*F510)	M57+1	N57+(L57*F510)	L58+N58	58-57
				K58-(K58/F56)*(F59*L58)	L58+(K58/F56)*(F59*L58)-(L58*F510)	M58+1	N58+(L58*F510)	L59+N59	59-58
				K59-(K59/F56)*(F59*L59)	L59+(K59/F56)*(F59*L59)-(L59*F510)	M59+1	N59+(L59*F510)	L60+N60	60-59
				K60-(K60/F56)*(F59*L60)	L60+(K60/F56)*(F59*L60)-(L60*F510)	M60+1	N60+(L60*F510)	L61+N61	61-60
				K61-(K61/F56)*(F59*L61)	L61+(K61/F56)*(F59*L61)-(L61*F510)	M61+1	N61+(L61*F510)	L62+N62	62-61
				K62-(K62/F56)*(F59*L62)	L62+(K62/F56)*(F59*L62)-(L62*F510)	M62+1	N62+(L62*F510)	L63+N63	63-62
				K63-(K63/F56)*(F59*L63)	L63+(K63/F56)*(F59*L63)-(L63*F510)	M63+1	N63+(L63*F510)	L64+N64	64-63
				K64-(K64/F56)*(F59*L64)	L64+(K64/F56)*(F59*L64)-(L64*F510)	M64+1	N64+(L64*F510)	L65+N65	65-64
				K65-(K65/F56)*(F59*L65)	L65+(K65/F56)*(F59*L65)-(L65*F510)	M65+1	N65+(L65*F510)	L66+N66	66-65
				K66-(K66/F56)*(F59*L66)	L66+(K66/F56)*(F59*L66)-(L66*F510)	M66+1	N66+(L66*F510)	L67+N67	67-66
				K67-(K67/F56)*(F59*L67)	L67+(K67/F56)*(F59*L67)-(L67*F510)	M67+1	N67+(L67*F510)	L68+N68	68-67
				K68-(K68/F56)*(F59*L68)	L68+(K68/F56)*(F59*L68)-(L68*F510)	M68+1	N68+(L68*F510)	L69+N69	69-68
				K69-(K69/F56)*(F59*L69)	L69+(K69/F56)*(F59*L69)-(L69*F510)	M69+1	N69+(L69*F510)	L70+N70	70-69
				K70-(K70/F56)*(F59*L70)	L70+(K70/F56)*(F59*L70)-(L70*F510)	M70+1	N70+(L70*F510)	L71+N71	71-70
				K71-(K71/F56)*(F59*L71)	L71+(K71/F56)*(F59*L71)-(L71*F510)	M71+1	N71+(L71*F510)	L72+N72	72-71
				K72-(K72/F56)*(F59*L72)	L72+(K72/F56)*(F59*L72)-(L72*F510)	M72+1	N72+(L72*F510)	L73+N73	73-72
				K73-(K73/F56)*(F59*L73)	L73+(K73/F56)*(F59*L73)-(L73*F510)	M73+1	N73+(L73*F510)	L74+N74	74-73
				K74-(K74/F56)*(F59*L74)	L74+(K74/F56)*(F59*L74)-(L74*F510)	M74+1	N74+(L74*F510)	L75+N75	75-74
				K75-(K75/F56)*(F59*L75)	L75+(K75/F56)*(F59*L75)-(L75*F510)	M75+1	N75+(L75*F510)	L76+N76	76-75
				K76-(K76/F56)*(F59*L76)	L76+(K76/F56)*(F59*L76)-(L76*F510)	M76+1	N76+(L76*F510)	L77+N77	77-76
				K77-(K77/F56)*(F59*L77)	L77+(K77/F56)*(F59*L77)-(L77*F510)	M77+1	N77+(L77*F510)	L78+N78	78-77
				K78-(K78/F56)*(F59*L78)	L78+(K78/F56)*(F59*L78)-(L78*F510)	M78+1	N78+(L78*F510)	L79+N79	79-78
				K79-(K79/F56)*(F59*L79)	L79+(K79/F56)*(F59*L79)-(L79*F510)	M79+1	N79+(L79*F510)	L80+N80	80-79
				K80-(K80/F56)*(F59*L80)	L80+(K80/F56)*(F59*L80)-(L80*F510)	M80+1	N80+(L80*F510)	L81+N81	81-80
				K81-(K81/F56)*(F59*L81)	L81+(K81/F56)*(F59*L81)-(L81*F510)	M81+1	N81+(L81*F510)	L82+N82	82-81
				K82-(K82/F56)*(F59*L82)	L82+(K82/F56)*(F59*L82)-(L82*F510)	M82+1	N82+(L82*F510)	L83+N83	83-82
				K83-(K83/F56)*(F59*L83)	L83+(K83/F56)*(F59*L83)-(L83*F510)	M83+1	N83+(L83*F510)	L84+N84	84-83

6/1/2020	K84-((K84/F56)*(F59*L84))	L84+(K84/F56)*(F59*L84)-(L84*F510)	M84+1	N84+(L84*F510)	L85+N85	O85-O84	(SH514*O67)	Q85-Q84
6/2/2020	K85-((K85/F56)*(F59*L85))	L85+(K85/F56)*(F59*L85)-(L85*F510)	M85+1	N85+(L85*F510)	L86+N86	O86-O85	(SH514*O68)	Q86-Q85
6/3/2020	K86-((K86/F56)*(F59*L86))	L86+(K86/F56)*(F59*L86)-(L86*F510)	M86+1	N86+(L86*F510)	L87+N87	O87-O86	(SH514*O69)	Q87-Q86
6/4/2020	K87-((K87/F56)*(F59*L87))	L87+(K87/F56)*(F59*L87)-(L87*F510)	M87+1	N87+(L87*F510)	L88+N88	O88-O87	(SH514*O70)	Q88-Q87
6/5/2020	K88-((K88/F56)*(F59*L88))	L88+(K88/F56)*(F59*L88)-(L88*F510)	M88+1	N88+(L88*F510)	L89+N89	O89-O88	(SH514*O71)	Q89-Q88
6/6/2020	K89-((K89/F56)*(F59*L89))	L89+(K89/F56)*(F59*L89)-(L89*F510)	M89+1	N89+(L89*F510)	L90+N90	O90-O89	(SH514*O72)	Q90-Q89
6/7/2020	K90-((K90/F56)*(F59*L90))	L90+(K90/F56)*(F59*L90)-(L90*F510)	M90+1	N90+(L90*F510)	L91+N91	O91-O90	(SH514*O73)	Q91-Q90
6/8/2020	K91-((K91/F56)*(F59*L91))	L91+(K91/F56)*(F59*L91)-(L91*F510)	M91+1	N91+(L91*F510)	L92+N92	O92-O91	(SH514*O74)	Q92-O91
6/9/2020	K92-((K92/F56)*(F59*L92))	L92+(K92/F56)*(F59*L92)-(L92*F510)	M92+1	N92+(L92*F510)	L93+N93	O93-O92	(SH514*O75)	Q93-O92
6/10/2020	K93-((K93/F56)*(F59*L93))	L93+(K93/F56)*(F59*L93)-(L93*F510)	M93+1	N93+(L93*F510)	L94+N94	O94-O93	(SH514*O76)	Q94-O93
6/11/2020	K94-((K94/F56)*(F59*L94))	L94+(K94/F56)*(F59*L94)-(L94*F510)	M94+1	N94+(L94*F510)	L95+N95	O95-O94	(SH514*O77)	Q95-O94
6/12/2020	K95-((K95/F56)*(F59*L95))	L95+(K95/F56)*(F59*L95)-(L95*F510)	M95+1	N95+(L95*F510)	L96+N96	O96-O95	(SH514*O78)	Q96-O95
6/13/2020	K96-((K96/F56)*(F59*L96))	L96+(K96/F56)*(F59*L96)-(L96*F510)	M96+1	N96+(L96*F510)	L97+N97	O97-O96	(SH514*O79)	Q97-O96
6/14/2020	K97-((K97/F56)*(F59*L97))	L97+(K97/F56)*(F59*L97)-(L97*F510)	M97+1	N97+(L97*F510)	L98+N98	O98-O97	(SH514*O80)	Q98-O97
6/15/2020	K98-((K98/F56)*(F59*L98))	L98+(K98/F56)*(F59*L98)-(L98*F510)	M98+1	N98+(L98*F510)	L99+N99	O99-O98	(SH514*O81)	Q99-O98
6/16/2020	K99-((K99/F56)*(F59*L99))	L99+(K99/F56)*(F59*L99)-(L99*F510)	M99+1	N99+(L99*F510)	L100+N100	O100-O99	(SH514*O82)	Q100-O99
6/17/2020	K100-((K100/F56)*(F59*L100))	L100+(K100/F56)*(F59*L100)-(L100*F510)	M100+1	N100+(L100*F510)	L101+N101	O101-O100	(SH514*O83)	Q101-Q100
6/18/2020	K101-((K101/F56)*(F59*L101))	L101+(K101/F56)*(F59*L101)-(L101*F510)	M101+1	N101+(L101*F510)	L102+N102	O102-O101	(SH514*O84)	Q102-O101
6/19/2020	K102-((K102/F56)*(F59*L102))	L102+(K102/F56)*(F59*L102)-(L102*F510)	M102+1	N102+(L102*F510)	L103+N103	O103-O102	(SH514*O85)	Q103-O102
6/20/2020	K103-((K103/F56)*(F59*L103))	L103+(K103/F56)*(F59*L103)-(L103*F510)	M103+1	N103+(L103*F510)	L104+N104	O104-O103	(SH514*O86)	Q104-O103
6/21/2020	K104-((K104/F56)*(F59*L104))	L104+(K104/F56)*(F59*L104)-(L104*F510)	M104+1	N104+(L104*F510)	L105+N105	O105-O104	(SH514*O87)	Q105-O104
6/22/2020	K105-((K105/F56)*(F59*L105))	L105+(K105/F56)*(F59*L105)-(L105*F510)	M105+1	N105+(L105*F510)	L106+N106	O106-O105	(SH514*O88)	Q106-O105
6/23/2020	K106-((K106/F56)*(F59*L106))	L106+(K106/F56)*(F59*L106)-(L106*F510)	M106+1	N106+(L106*F510)	L107+N107	O107-O106	(SH514*O89)	Q107-O106
6/24/2020	K107-((K107/F56)*(F59*L107))	L107+(K107/F56)*(F59*L107)-(L107*F510)	M107+1	N107+(L107*F510)	L108+N108	O108-O107	(SH514*O90)	Q108-O107
6/25/2020	K108-((K108/F56)*(F59*L108))	L108+(K108/F56)*(F59*L108)-(L108*F510)	M108+1	N108+(L108*F510)	L109+N109	O109-O108	(SH514*O91)	Q109-O108
6/26/2020	K109-((K109/F56)*(F59*L109))	L109+(K109/F56)*(F59*L109)-(L109*F510)	M109+1	N109+(L109*F510)	L110+N110	O110-O109	(SH514*O92)	Q110-O109
6/27/2020	K110-((K110/F56)*(F59*L110))	L110+(K110/F56)*(F59*L110)-(L110*F510)	M110+1	N110+(L110*F510)	L111+N111	O111-O110	(SH514*O93)	Q111-O110
6/28/2020	K111-((K111/F56)*(F59*L111))	L111+(K111/F56)*(F59*L111)-(L111*F510)	M111+1	N111+(L111*F510)	L112+N112	O112-O111	(SH514*O94)	Q112-O111
6/29/2020	K112-((K112/F56)*(F59*L112))	L112+(K112/F56)*(F59*L112)-(L112*F510)	M112+1	N112+(L112*F510)	L113+N113	O113-O112	(SH514*O95)	Q113-O112
6/30/2020	K113-((K113/F56)*(F59*L113))	L113+(K113/F56)*(F59*L113)-(L113*F510)	M113+1	N113+(L113*F510)	L114+N114	O114-O113	(SH514*O96)	Q114-O113
7/1/2020	K114-((K114/F56)*(F59*L114))	L114+(K114/F56)*(F59*L114)-(L114*F510)	M114+1	N114+(L114*F510)	L115+N115	O115-O114	(SH514*O97)	Q115-O114
7/2/2020	K115-((K115/F56)*(F59*L115))	L115+(K115/F56)*(F59*L115)-(L115*F510)	M115+1	N115+(L115*F510)	L116+N116	O116-O115	(SH514*O98)	Q116-O115
7/3/2020	K116-((K116/F56)*(F59*L116))	L116+(K116/F56)*(F59*L116)-(L116*F510)	M116+1	N116+(L116*F510)	L117+N117	O117-O116	(SH514*O99)	Q117-O116
7/4/2020	K117-((K117/F56)*(F59*L117))	L117+(K117/F56)*(F59*L117)-(L117*F510)	M117+1	N117+(L117*F510)	L118+N118	O118-O117	(SH514*O100)	Q118-O117
7/5/2020	K118-((K118/F56)*(F59*L118))	L118+(K118/F56)*(F59*L118)-(L118*F510)	M118+1	N118+(L118*F510)	L119+N119	O119-O118	(SH514*O101)	Q119-O118
7/6/2020	K119-((K119/F56)*(F59*L119))	L119+(K119/F56)*(F59*L119)-(L119*F510)	M119+1	N119+(L119*F510)	L120+N120	O120-O119	(SH514*O102)	Q120-O119
7/7/2020	K120-((K120/F56)*(F59*L120))	L120+(K120/F56)*(F59*L120)-(L120*F510)	M120+1	N120+(L120*F510)	L121+N121	O121-O120	(SH514*O103)	Q121-O120
7/8/2020	K121-((K121/F56)*(F59*L121))	L121+(K121/F56)*(F59*L121)-(L121*F510)	M121+1	N121+(L121*F510)	L122+N122	O122-O121	(SH514*O104)	Q122-O121
7/9/2020	K122-((K122/F56)*(F59*L122))	L122+(K122/F56)*(F59*L122)-(L122*F510)	M122+1	N122+(L122*F510)	L123+N123	O123-O122	(SH514*O105)	Q123-O122
7/10/2020	K123-((K123/F56)*(F59*L123))	L123+(K123/F56)*(F59*L123)-(L123*F510)	M123+1	N123+(L123*F510)	L124+N124	O124-O123	(SH514*O106)	Q124-O123
7/11/2020	K124-((K124/F56)*(F59*L124))	L124+(K124/F56)*(F59*L124)-(L124*F510)	M124+1	N124+(L124*F510)	L125+N125	O125-O124	(SH514*O107)	Q125-O124
7/12/2020	K125-((K125/F56)*(F59*L125))	L125+(K125/F56)*(F59*L125)-(L125*F510)	M125+1	N125+(L125*F510)	L126+N126	O126-O125	(SH514*O108)	Q126-O125
7/13/2020	K126-((K126/F56)*(F59*L126))	L126+(K126/F56)*(F59*L126)-(L126*F510)	M126+1	N126+(L126*F510)	L127+N127	O127-O126	(SH514*O109)	Q127-O126
7/14/2020	K127-((K127/F56)*(F59*L127))	L127+(K127/F56)*(F59*L127)-(L127*F510)	M127+1	N127+(L127*F510)	L128+N128	O128-O127	(SH514*O110)	Q128-O127
7/15/2020	K128-((K128/F56)*(F59*L128))	L128+(K128/F56)*(F59*L128)-(L128*F510)	M128+1	N128+(L128*F510)	L129+N129	O129-O128	(SH514*O111)	Q129-O128
7/16/2020	K129-((K129/F56)*(F59*L129))	L129+(K129/F56)*(F59*L129)-(L129*F510)	M129+1	N129+(L129*F510)	L130+N130	O130-O129	(SH514*O112)	Q130-O129
7/17/2020	K130-((K130/F56)*(F59*L130))	L130+(K130/F56)*(F59*L130)-(L130*F510)	M130+1	N130+(L130*F510)	L131+N131	O131-O130	(SH514*O113)	Q131-O130
7/18/2020	K131-((K131/F56)*(F59*L131))	L131+(K131/F56)*(F59*L131)-(L131*F510)	M131+1	N131+(L131*F510)	L132+N132	O132-O131	(SH514*O114)	Q132-O131
7/19/2020	K132-((K132/F56)*(F59*L132))	L132+(K132/F56)*(F59*L132)-(L132*F510)	M132+1	N132+(L132*F510)	L133+N133	O133-O132	(SH514*O115)	Q133-O132
7/20/2020	K133-((K133/F56)*(F59*L133))	L133+(K133/F56)*(F59*L133)-(L133*F510)	M133+1	N133+(L133*F510)	L134+N134	O134-O133	(SH514*O116)	Q134-O133
7/21/2020	K134-((K134/F56)*(F59*L134))	L134+(K134/F56)*(F59*L134)-(L134*F510)	M134+1	N134+(L134*F510)	L135+N135	O135-O134	(SH514*O117)	Q135-O134
7/22/2020	K135-((K135/F56)*(F59*L135))	L135+(K135/F56)*(F59*L135)-(L135*F510)	M135+1	N135+(L135*F510)	L136+N136	O136-O135	(SH514*O118)	Q136-O135
7/23/2020	K136-((K136/F56)*(F59*L136))	L136+(K136/F56)*(F59*L136)-(L136*F510)	M136+1	N136+(L136*F510)	L137+N137	O137-O136	(SH514*O119)	Q137-O136
7/24/2020	K137-((K137/F56)*(F59*L137))	L137+(K137/F56)*(F59*L137)-(L137*F510)	M137+1	N137+(L137*F510)	L138+N138	O138-O137	(SH514*O120)	Q138-O137
7/25/2020	K138-((K138/F56)*(F59*L138))	L138+(K138/F56)*(F59*L138)-(L138*F510)	M138+1	N138+(L138*F510)	L139+N139	O139-O138	(SH514*O121)	Q139-O138
7/26/2020	K139-((K139/F56)*(F59*L139))	L139+(K139/F56)*(F59*L139)-(L139*F510)	M139+1	N139+(L139*F510)	L140+N140	O140-O139	(SH514*O122)	Q140-O139
7/27/2020	K140-((K140/F56)*(F59*L140))	L140+(K140/F56)*(F59*L140)-(L140*F510)	M140+1	N140+(L140*F510)	L141+N141	O141-O140	(SH514*O123)	Q141-O140
7/28/2020	K141-((K141/F56)*(F59*L141))	L141+(K141/F56)*(F59*L141)-(L141*F510)	M141+1	N141+(L141*F510)	L142+N142	O142-O141	(SH514*O124)	Q142-O141
7/29/2020	K142-((K142/F56)*(F59*L142))	L142+(K142/F56)*(F59*L142)-(L142*F510)	M142+1	N142+(L142*F510)	L143+N143	O143-O142	(SH514*O125)	Q143-O142
7/30/2020	K143-((K143/F56)*(F59*L143))	L143+(K143/F56)*(F59*L143)-(L143*F510)	M143+1	N143+(L143*F510)	L144+N144	O144-O143	(SH514*O126)	Q144-O143
7/31/2020	K144-((K144/F56)*(F59*L144))	L144+(K144/F56)*(F59*L144)-(L144*F510)	M144+1	N144+(L144*F510)	L145+N145	O145-O144	(SH514*O127)	Q145-O144
8/1/2020	K145-((K145/F56)*(F59*L145))	L145+(K145/F56)*(F59*L145)-(L145*F510)	M145+1	N145+(L145*F510)	L146+N146	O146-O145	(SH514*O128)	Q146-O145
8/2/2020	K146-((K146/F56)*(F59*L146))	L146+(K146/F56)*(F59*L146)-(L146*F510)	M146+1	N146+(L146*F510)	L147+N147	O147-O146	(SH514*O129)	Q147-O146
8/3/2020	K147-((K147/F56)*(F59*L147))	L147+(K147/F56)*(F59*L147)-(L147*F510)	M147+1	N147+(L147*F510)	L148+N148	O148-O147	(SH514*O130)	Q148-O147
8/4/2020	K148-((K148/F56)*(F59*L148))	L148+(K148/F56)*(F59*L148)-(L148*F510)	M148+1	N148+(L148*F510)	L149+N149	O149-O148	(SH514*O131)	Q149-O148
8/5/2020	K149-((K149/F56)*(F59*L149))	L149+(K149/F56)*(F59*L149)-(L149*F510)	M149+1	N149+(L149*F510)	L150+N150	O150-O149	(SH514*O132)	Q150-O149
8/6/2020	K150-((K150/F56)*(F59*L150))	L150+(K150/F56)*(F59*L150)-(L150*F510)	M150+1	N150+(L150*F510)	L151+N151	O151-O150	(SH514*O133)	Q151-O150
8/7/2020	K151-((K151/F56)*(F59*L151))	L151+(K151/F56)*(F59*L151)-(L151*F510)	M151+1	N151+(L151*F510)	L152+N152	O152-O151	(SH514*O134)	Q152-O151
8/8/2020	K152-((K152/F56)*(F59*L152))	L152+(K152/F56)*(F59*L152)-(L152*F510)	M152+1	N152+(L152*F510)	L153+N153	O153-O152	(SH514*O135)	Q153-O152
8/9/2020	K153-((K153/F56)*(F59*L153))	L153+(K153/F56)*(F59*L153)-(L153*F510)	M153+1	N153+(L153*F510)	L154+N154	O154-O153	(SH514*O136)	Q154-O153
8/10/2020	K154-((K154/F56)*(F59*L154))	L154+(K154/F56)*(F59*L154)-(L154*F510)	M154+1	N154+(L154*F510)	L155+N155	O155-O154	(SH514*O137)	Q155-O154
8/11/2020	K155-((K155/F56)*(F59*L155))	L155+(K155/F56)*(F59*L155)-(L155*F510)	M155+1	N155+(L155*F510)	L156+N156	O156-O155	(SH514*O138)	Q156-O155
8/12/2020	K156-((K156/F56)*(F59*L156))	L156+(K156/F56)*(F59*L156)-(L156*F510)	M156+1	N156+(L156*F510)	L157+N157	O157-O156	(SH514*O139)	Q157-O156
8/13/2020	K157-((K157/F56)*(F59*L157))	L157+(K157/F56)*(F59*L157)-(L157*F510)	M157+1	N157+(L157*F510)	L158+N158	O158-O157	(SH514*O140)	Q158-O157
8/14/2020	K158-((K158/F56)*(F59*L158))	L158+(K158/F56)*(F59*L158)-(L158*F510)	M158+1	N158+(L158*F510)	L159+N159	O159-O158	(SH514*O141)	Q159-O158
8/15/2020	K159-((K159/F56)*(F59*L159))	L159+(K159/F56)*(F59*L159)-(L159*F510)	M159+1	N159+(L159*F510)	L160+N160	O160-O159	(SH514*O142)	Q160-O159
8/16/2020	K160-((K160/F56)*(F59*L160))	L160+(K160/F56)*(F59*L160)-(L160*F510)	M160+1	N160+(L160*F510)	L161+N161	O161-O160	(SH514*O143)	Q161-O160
8/17/2020	K161-((K161/F56)*(F59*L161))	L161+(K161/F56)*(F59*L161)-(L161*F510)	M161+1	N161+(L161*F510)	L162+N162	O162-O161	(SH514*O144)	Q162-O161
8/18/2020	K162-((K162/F56)*(F59*L162))	L162+(K162/F56)*(F59*L162)-(L162*F510)	M162+1	N162+(L162*F510)	L163+N163	O163-O162	(SH514*O145)	Q163-O162
8/19/2020	K163-((K163/F56)*(F59*L163))	L163+(K163/F56)*(F59*L163)-(L163*F510)	M163+1	N163+(L163*F510)	L164+N164	O164-O163	(SH514*O146)	Q164-O163
8/20/2020	K							

8/25/2020	K169-((K169/F56)*(F59*L169))	L169+(K169/F56)*(F59*L169)-(L169*F510)	M169+1	N169+(L169*F510)	L170-N170	O170-O169	(SH\$14*O152)	Q170-Q169
8/26/2020	K170-(K170/F56)*(F59*L170)	L170+(K170/F56)*(F59*L170)-(L170*F510)	M170+1	N170+(L170*F510)	L171-N171	O171-O170	(SH\$14*O153)	Q171-Q170
8/27/2020	K171-((K171/F56)*(F59*L171))	L171+(K171/F56)*(F59*L171)-(L171*F510)	M171+1	N171+(L171*F510)	L172-N172	O172-O171	(SH\$14*O154)	Q172-Q171
8/28/2020	K172-((K172/F56)*(F59*L172))	L172+(K172/F56)*(F59*L172)-(L172*F510)	M172+1	N172+(L172*F510)	L173-N173	O173-O172	(SH\$14*O155)	Q173-Q172
8/29/2020	K173-((K173/F56)*(F59*L173))	L173+(K173/F56)*(F59*L173)-(L173*F510)	M173+1	N173+(L173*F510)	L174-N174	O174-O173	(SH\$14*O156)	Q174-Q173
8/30/2020	K174-((K174/F56)*(F59*L174))	L174+(K174/F56)*(F59*L174)-(L174*F510)	M174+1	N174+(L174*F510)	L175-N175	O175-O174	(SH\$14*O157)	Q175-Q174
8/31/2020	K175-((K175/F56)*(F59*L175))	L175+(K175/F56)*(F59*L175)-(L175*F510)	M175+1	N175+(L175*F510)	L176-N176	O176-O175	(SH\$14*O158)	Q176-Q175
9/1/2020	K176-((K176/F56)*(F59*L176))	L176+(K176/F56)*(F59*L176)-(L176*F510)	M176+1	N176+(L176*F510)	L177-N177	O177-O176	(SH\$14*O159)	Q177-Q176
9/2/2020	K177-((K177/F56)*(F59*L177))	L177+(K177/F56)*(F59*L177)-(L177*F510)	M177+1	N177+(L177*F510)	L178-N178	O178-O177	(SH\$14*O160)	Q178-Q177
9/3/2020	K178-((K178/F56)*(F59*L178))	L178+(K178/F56)*(F59*L178)-(L178*F510)	M178+1	N178+(L178*F510)	L179-N179	O179-O178	(SH\$14*O161)	Q179-Q178
9/4/2020	K179-((K179/F56)*(F59*L179))	L179+(K179/F56)*(F59*L179)-(L179*F510)	M179+1	N179+(L179*F510)	L180-N180	O180-O179	(SH\$14*O162)	Q180-Q179
9/5/2020	K180-((K180/F56)*(F59*L180))	L180+(K180/F56)*(F59*L180)-(L180*F510)	M180+1	N180+(L180*F510)	L181-N181	O181-O180	(SH\$14*O163)	Q181-Q180
9/6/2020	K181-((K181/F56)*(F59*L181))	L181+(K181/F56)*(F59*L181)-(L181*F510)	M181+1	N181+(L181*F510)	L182-N182	O182-O181	(SH\$14*O164)	Q182-Q181
9/7/2020	K182-((K182/F56)*(F59*L182))	L182+(K182/F56)*(F59*L182)-(L182*F510)	M182+1	N182+(L182*F510)	L183-N183	O183-O182	(SH\$14*O165)	Q183-Q182
9/8/2020	K183-((K183/F56)*(F59*L183))	L183+(K183/F56)*(F59*L183)-(L183*F510)	M183+1	N183+(L183*F510)	L184-N184	O184-O183	(SH\$14*O166)	Q184-Q183
9/9/2020	K184-((K184/F56)*(F59*L184))	L184+(K184/F56)*(F59*L184)-(L184*F510)	M184+1	N184+(L184*F510)	L185-N185	O185-O184	(SH\$14*O167)	Q185-Q184
9/10/2020	K185-((K185/F56)*(F59*L185))	L185+(K185/F56)*(F59*L185)-(L185*F510)	M185+1	N185+(L185*F510)	L186-N186	O186-O185	(SH\$14*O168)	Q186-Q185
9/11/2020	K186-((K186/F56)*(F59*L186))	L186+(K186/F56)*(F59*L186)-(L186*F510)	M186+1	N186+(L186*F510)	L187-N187	O187-O186	(SH\$14*O169)	Q187-Q186
9/12/2020	K187-((K187/F56)*(F59*L187))	L187+(K187/F56)*(F59*L187)-(L187*F510)	M187+1	N187+(L187*F510)	L188-N188	O188-O187	(SH\$14*O170)	Q188-Q187
9/13/2020	K188-((K188/F56)*(F59*L188))	L188+(K188/F56)*(F59*L188)-(L188*F510)	M188+1	N188+(L188*F510)	L189-N189	O189-O188	(SH\$14*O171)	Q189-Q188
9/14/2020	K189-((K189/F56)*(F59*L189))	L189+(K189/F56)*(F59*L189)-(L189*F510)	M189+1	N189+(L189*F510)	L190-N190	O190-O189	(SH\$14*O172)	Q190-Q189
9/15/2020	K190-((K190/F56)*(F59*L190))	L190+(K190/F56)*(F59*L190)-(L190*F510)	M190+1	N190+(L190*F510)	L191-N191	O191-O190	(SH\$14*O173)	Q191-Q190
9/16/2020	K191-((K191/F56)*(F59*L191))	L191+(K191/F56)*(F59*L191)-(L191*F510)	M191+1	N191+(L191*F510)	L192-N192	O192-O191	(SH\$14*O174)	Q192-Q191
9/17/2020	K192-((K192/F56)*(F59*L192))	L192+(K192/F56)*(F59*L192)-(L192*F510)	M192+1	N192+(L192*F510)	L193-N193	O193-O192	(SH\$14*O175)	Q193-Q192
9/18/2020	K193-((K193/F56)*(F59*L193))	L193+(K193/F56)*(F59*L193)-(L193*F510)	M193+1	N193+(L193*F510)	L194-N194	O194-O193	(SH\$14*O176)	Q194-Q193
9/19/2020	K194-((K194/F56)*(F59*L194))	L194+(K194/F56)*(F59*L194)-(L194*F510)	M194+1	N194+(L194*F510)	L195-N195	O195-O194	(SH\$14*O177)	Q195-Q194
9/20/2020	K195-((K195/F56)*(F59*L195))	L195+(K195/F56)*(F59*L195)-(L195*F510)	M195+1	N195+(L195*F510)	L196-N196	O196-O195	(SH\$14*O178)	Q196-Q195
9/21/2020	K196-((K196/F56)*(F59*L196))	L196+(K196/F56)*(F59*L196)-(L196*F510)	M196+1	N196+(L196*F510)	L197-N197	O197-O196	(SH\$14*O179)	Q197-Q196
9/22/2020	K197-((K197/F56)*(F59*L197))	L197+(K197/F56)*(F59*L197)-(L197*F510)	M197+1	N197+(L197*F510)	L198-N198	O198-O197	(SH\$14*O180)	Q198-Q197
9/23/2020	K198-((K198/F56)*(F59*L198))	L198+(K198/F56)*(F59*L198)-(L198*F510)	M198+1	N198+(L198*F510)	L199-N199	O199-O198	(SH\$14*O181)	Q199-Q198
9/24/2020	K199-((K199/F56)*(F59*L199))	L199+(K199/F56)*(F59*L199)-(L199*F510)	M199+1	N199+(L199*F510)	L200-N200	O200-O199	(SH\$14*O182)	Q200-Q199
9/25/2020	K200-((K200/F56)*(F59*L200))	L200+(K200/F56)*(F59*L200)-(L200*F510)	M200+1	N200+(L200*F510)	L201-N201	O201-O200	(SH\$14*O183)	Q201-Q200
9/26/2020	K201-((K201/F56)*(F59*L201))	L201+(K201/F56)*(F59*L201)-(L201*F510)	M201+1	N201+(L201*F510)	L202-N202	O202-O201	(SH\$14*O184)	Q202-Q201
9/27/2020	K202-((K202/F56)*(F59*L202))	L202+(K202/F56)*(F59*L202)-(L202*F510)	M202+1	N202+(L202*F510)	L203-N203	O203-O202	(SH\$14*O185)	Q203-Q202
9/28/2020	K203-((K203/F56)*(F59*L203))	L203+(K203/F56)*(F59*L203)-(L203*F510)	M203+1	N203+(L203*F510)	L204-N204	O204-O203	(SH\$14*O186)	Q204-Q203
9/29/2020	K204-((K204/F56)*(F59*L204))	L204+(K204/F56)*(F59*L204)-(L204*F510)	M204+1	N204+(L204*F510)	L205-N205	O205-O204	(SH\$14*O187)	Q205-Q204
9/30/2020	K205-((K205/F56)*(F59*L205))	L205+(K205/F56)*(F59*L205)-(L205*F510)	M205+1	N205+(L205*F510)	L206-N206	O206-O205	(SH\$14*O188)	Q206-Q205
10/1/2020	K206-((K206/F56)*(F59*L206))	L206+(K206/F56)*(F59*L206)-(L206*F510)	M206+1	N206+(L206*F510)	L207-N207	O207-O206	(SH\$14*O189)	Q207-Q206
10/2/2020	K207-((K207/F56)*(F59*L207))	L207+(K207/F56)*(F59*L207)-(L207*F510)	M207+1	N207+(L207*F510)	L208-N208	O208-O207	(SH\$14*O190)	Q208-Q207
10/3/2020	K208-((K208/F56)*(F59*L208))	L208+(K208/F56)*(F59*L208)-(L208*F510)	M208+1	N208+(L208*F510)	L209-N209	O209-O208	(SH\$14*O191)	Q209-Q208
10/4/2020	K209-((K209/F56)*(F59*L209))	L209+(K209/F56)*(F59*L209)-(L209*F510)	M209+1	N209+(L209*F510)	L210-N210	O210-O209	(SH\$14*O192)	Q210-Q209
10/5/2020	K210-((K210/F56)*(F59*L210))	L210+(K210/F56)*(F59*L210)-(L210*F510)	M210+1	N210+(L210*F510)	L211-N211	O211-O210	(SH\$14*O193)	Q211-Q210
10/6/2020	K211-((K211/F56)*(F59*L211))	L211+(K211/F56)*(F59*L211)-(L211*F510)	M211+1	N211+(L211*F510)	L212-N212	O212-O211	(SH\$14*O194)	Q212-Q211
10/7/2020	K212-((K212/F56)*(F59*L212))	L212+(K212/F56)*(F59*L212)-(L212*F510)	M212+1	N212+(L212*F510)	L213-N213	O213-O212	(SH\$14*O195)	Q213-Q212
10/8/2020	K213-((K213/F56)*(F59*L213))	L213+(K213/F56)*(F59*L213)-(L213*F510)	M213+1	N213+(L213*F510)	L214-N214	O214-O213	(SH\$14*O196)	Q214-Q213
10/9/2020	K214-((K214/F56)*(F59*L214))	L214+(K214/F56)*(F59*L214)-(L214*F510)	M214+1	N214+(L214*F510)	L215-N215	O215-O214	(SH\$14*O197)	Q215-Q214
10/10/2020	K215-((K215/F56)*(F59*L215))	L215+(K215/F56)*(F59*L215)-(L215*F510)	M215+1	N215+(L215*F510)	L216-N216	O216-O215	(SH\$14*O198)	Q216-Q215
10/11/2020	K216-((K216/F56)*(F59*L216))	L216+(K216/F56)*(F59*L216)-(L216*F510)	M216+1	N216+(L216*F510)	L217-N217	O217-O216	(SH\$14*O199)	Q217-Q216
10/12/2020	K217-((K217/F56)*(F59*L217))	L217+(K217/F56)*(F59*L217)-(L217*F510)	M217+1	N217+(L217*F510)	L218-N218	O218-O217	(SH\$14*O200)	Q218-Q217
10/13/2020	K218-((K218/F56)*(F59*L218))	L218+(K218/F56)*(F59*L218)-(L218*F510)	M218+1	N218+(L218*F510)	L219-N219	O219-O218	(SH\$14*O201)	Q219-Q218
10/14/2020	K219-((K219/F56)*(F59*L219))	L219+(K219/F56)*(F59*L219)-(L219*F510)	M219+1	N219+(L219*F510)	L220-N220	O220-O219	(SH\$14*O202)	Q220-Q219
10/15/2020	K220-((K220/F56)*(F59*L220))	L220+(K220/F56)*(F59*L220)-(L220*F510)	M220+1	N220+(L220*F510)	L221-N221	O221-O220	(SH\$14*O203)	Q221-Q220
10/16/2020	K221-((K221/F56)*(F59*L221))	L221+(K221/F56)*(F59*L221)-(L221*F510)	M221+1	N221+(L221*F510)	L222-N222	O222-O221	(SH\$14*O204)	Q222-Q221
10/17/2020	K222-((K222/F56)*(F59*L222))	L222+(K222/F56)*(F59*L222)-(L222*F510)	M222+1	N222+(L222*F510)	L223-N223	O223-O222	(SH\$14*O205)	Q223-Q222
10/18/2020	K223-((K223/F56)*(F59*L223))	L223+(K223/F56)*(F59*L223)-(L223*F510)	M223+1	N223+(L223*F510)	L224-N224	O224-O223	(SH\$14*O206)	Q224-Q223
10/19/2020	K224-((K224/F56)*(F59*L224))	L224+(K224/F56)*(F59*L224)-(L224*F510)	M224+1	N224+(L224*F510)	L225-N225	O225-O224	(SH\$14*O207)	Q225-Q224
10/20/2020	K225-((K225/F56)*(F59*L225))	L225+(K225/F56)*(F59*L225)-(L225*F510)	M225+1	N225+(L225*F510)	L226-N226	O226-O225	(SH\$14*O208)	Q226-Q225
10/21/2020	K226-((K226/F56)*(F59*L226))	L226+(K226/F56)*(F59*L226)-(L226*F510)	M226+1	N226+(L226*F510)	L227-N227	O227-O226	(SH\$14*O209)	Q227-Q226
10/22/2020	K227-((K227/F56)*(F59*L227))	L227+(K227/F56)*(F59*L227)-(L227*F510)	M227+1	N227+(L227*F510)	L228-N228	O228-O227	(SH\$14*O210)	Q228-Q227
10/23/2020	K228-((K228/F56)*(F59*L228))	L228+(K228/F56)*(F59*L228)-(L228*F510)	M228+1	N228+(L228*F510)	L229-N229	O229-O228	(SH\$14*O211)	Q229-Q228
10/24/2020	K229-((K229/F56)*(F59*L229))	L229+(K229/F56)*(F59*L229)-(L229*F510)	M229+1	N229+(L229*F510)	L230-N230	O230-O229	(SH\$14*O212)	Q230-Q229
10/25/2020	K230-((K230/F56)*(F59*L230))	L230+(K230/F56)*(F59*L230)-(L230*F510)	M230+1	N230+(L230*F510)	L231-N231	O231-O230	(SH\$14*O213)	Q231-Q230
10/26/2020	K231-((K231/F56)*(F59*L231))	L231+(K231/F56)*(F59*L231)-(L231*F510)	M231+1	N231+(L231*F510)	L232-N232	O232-O231	(SH\$14*O214)	Q232-Q231
10/27/2020	K232-((K232/F56)*(F59*L232))	L232+(K232/F56)*(F59*L232)-(L232*F510)	M232+1	N232+(L232*F510)	L233-N233	O233-O232	(SH\$14*O215)	Q233-Q232
10/28/2020	K233-((K233/F56)*(F59*L233))	L233+(K233/F56)*(F59*L233)-(L233*F510)	M233+1	N233+(L233*F510)	L234-N234	O234-O233	(SH\$14*O216)	Q234-Q233
10/29/2020	K234-((K234/F56)*(F59*L234))	L234+(K234/F56)*(F59*L234)-(L234*F510)	M234+1	N234+(L234*F510)	L235-N235	O235-O234	(SH\$14*O217)	Q235-Q234
10/30/2020	K235-((K235/F56)*(F59*L235))	L235+(K235/F56)*(F59*L235)-(L235*F510)	M235+1	N235+(L235*F510)	L236-N236	O236-O235	(SH\$14*O218)	Q236-Q235
10/31/2020	K236-((K236/F56)*(F59*L236))	L236+(K236/F56)*(F59*L236)-(L236*F510)	M236+1	N236+(L236*F510)	L237-N237	O237-O236	(SH\$14*O219)	Q237-Q236
11/1/2020	K237-((K237/F56)*(F59*L237))	L237+(K237/F56)*(F59*L237)-(L237*F510)	M237+1	N237+(L237*F510)	L238-N238	O238-O237	(SH\$14*O220)	Q238-Q237
11/2/2020	K238-((K238/F56)*(F59*L238))	L238+(K238/F56)*(F59*L238)-(L238*F510)	M238+1	N238+(L238*F510)	L239-N239	O239-O238	(SH\$14*O221)	Q239-Q238
11/3/2020	K239-((K239/F56)*(F59*L239))	L239+(K239/F56)*(F59*L239)-(L239*F510)	M239+1	N239+(L239*F510)	L240-N240	O240-O239	(SH\$14*O222)	Q240-Q239
11/4/2020	K240-((K240/F56)*(F59*L240))	L240+(K240/F56)*(F59*L240)-(L240*F510)	M240+1	N240+(L240*F510)	L241-N241	O241-O240	(SH\$14*O223)	Q241-Q240
11/5/2020	K241-((K241/F56)*(F59*L241))	L241+(K241/F56)*(F59*L241)-(L241*F510)	M241+1	N241+(L241*F510)	L242-N242	O242-O241	(SH\$14*O224)	Q242-Q241
11/6/2020	K242-((K242/F56)*(F59*L242))	L242+(K242/F56)*(F59*L242)-(L242*F510)	M242+1	N242+(L242*F510)	L243-N243	O243-O242	(SH\$14*O225)	Q243-Q242
11/7/2020	K243-((K243/F56)*(F59*L243))	L243+(K243/F56)*(F59*L243)-(L243*F510)	M243+1	N243+(L243*F510)	L244-N244	O244-O243	(SH\$14*O226)	Q244-Q243
11/8/2020	K244-((K244/F56)*(F59*L244))	L244+(K244/F56)*(F59*L244)-(L244*F510)	M244+1	N244+(L244*F510)	L245-N245	O245-O244	(SH\$14*O227)	Q245-Q244
11/9/2020	K245-((K245/F56)*(F59*L245))	L245+(K245/F56)*(F59*L245)-(L245*F510)	M245+1	N245+(L245*F510)	L246-N246	O246-O245	(SH\$14*O228)	Q246-Q245
11/10/2020	K246-((K246/F56)*(F59*L246))	L246+(K246/F56)*(F59*L246)-(L246*F510)	M246+1	N246+(L246*F510)	L247-N247	O247-O246	(SH\$14*O229)	Q247-Q246
11/11								

11/18/2020	K254-((K254/F56)*(F59*L254))	L254+(K254/F56)*(F59*L254)-(L254*F510) M254+1	N254+(L254*F510) L255+N255	O255-O254 (SH\$14*O237)	Q255-Q254
11/19/2020	K255-((K255/F56)*(F59*L255))	L255+(K255/F56)*(F59*L255)-(L255*F510) M255+1	N255+(L255*F510) L256+N256	O256-O255 (SH\$14*O238)	Q256-Q255
11/20/2020	K256-((K256/F56)*(F59*L256))	L256+(K256/F56)*(F59*L256)-(L256*F510) M256+1	N256+(L256*F510) L257+N257	O257-O256 (SH\$14*O239)	Q257-Q256
11/21/2020	K257-((K257/F56)*(F59*L257))	L257+(K257/F56)*(F59*L257)-(L257*F510) M257+1	N257+(L257*F510) L258+N258	O258-O257 (SH\$14*O240)	Q258-Q257
11/22/2020	K258-((K258/F56)*(F59*L258))	L258+(K258/F56)*(F59*L258)-(L258*F510) M258+1	N258+(L258*F510) L259+N259	O259-O258 (SH\$14*O241)	Q259-Q258
11/23/2020	K259-((K259/F56)*(F59*L259))	L259+(K259/F56)*(F59*L259)-(L259*F510) M259+1	N259+(L259*F510) L260+N260	O260-O259 (SH\$14*O242)	Q260-Q259
11/24/2020	K260-((K260/F56)*(F59*L260))	L260+(K260/F56)*(F59*L260)-(L260*F510) M260+1	N260+(L260*F510) L261+N261	O261-O260 (SH\$14*O243)	Q261-Q260
11/25/2020	K261-((K261/F56)*(F59*L261))	L261+(K261/F56)*(F59*L261)-(L261*F510) M261+1	N261+(L261*F510) L262+N262	O262-O261 (SH\$14*O244)	Q262-Q261
11/26/2020	K262-((K262/F56)*(F59*L262))	L262+(K262/F56)*(F59*L262)-(L262*F510) M262+1	N262+(L262*F510) L263+N263	O263-O262 (SH\$14*O245)	Q263-Q262
11/27/2020	K263-((K263/F56)*(F59*L263))	L263+(K263/F56)*(F59*L263)-(L263*F510) M263+1	N263+(L263*F510) L264+N264	O264-O263 (SH\$14*O246)	Q264-Q263
11/28/2020	K264-((K264/F56)*(F59*L264))	L264+(K264/F56)*(F59*L264)-(L264*F510) M264+1	N264+(L264*F510) L265+N265	O265-O264 (SH\$14*O247)	Q265-Q264
11/29/2020	K265-((K265/F56)*(F59*L265))	L265+(K265/F56)*(F59*L265)-(L265*F510) M265+1	N265+(L265*F510) L266+N266	O266-O265 (SH\$14*O248)	Q266-Q265
11/30/2020	K266-((K266/F56)*(F59*L266))	L266+(K266/F56)*(F59*L266)-(L266*F510) M266+1	N266+(L266*F510) L267+N267	O267-O266 (SH\$14*O249)	Q267-Q266
12/1/2020	K267-((K267/F56)*(F59*L267))	L267+(K267/F56)*(F59*L267)-(L267*F510) M267+1	N267+(L267*F510) L268+N268	O268-O267 (SH\$14*O250)	Q268-Q267
12/2/2020	K268-((K268/F56)*(F59*L268))	L268+(K268/F56)*(F59*L268)-(L268*F510) M268+1	N268+(L268*F510) L269+N269	O269-O268 (SH\$14*O251)	Q269-Q268
12/3/2020	K269-((K269/F56)*(F59*L269))	L269+(K269/F56)*(F59*L269)-(L269*F510) M269+1	N269+(L269*F510) L270+N270	O270-O269 (SH\$14*O252)	Q270-Q269
12/4/2020	K270-((K270/F56)*(F59*L270))	L270+(K270/F56)*(F59*L270)-(L270*F510) M270+1	N270+(L270*F510) L271+N271	O271-O270 (SH\$14*O253)	Q271-Q270
12/5/2020	K271-((K271/F56)*(F59*L271))	L271+(K271/F56)*(F59*L271)-(L271*F510) M271+1	N271+(L271*F510) L272+N272	O272-O271 (SH\$14*O254)	Q272-Q271
12/6/2020	K272-((K272/F56)*(F59*L272))	L272+(K272/F56)*(F59*L272)-(L272*F510) M272+1	N272+(L272*F510) L273+N273	O273-O272 (SH\$14*O255)	Q273-Q272
12/7/2020	K273-((K273/F56)*(F59*L273))	L273+(K273/F56)*(F59*L273)-(L273*F510) M273+1	N273+(L273*F510) L274+N274	O274-O273 (SH\$14*O256)	Q274-Q273
12/8/2020	K274-((K274/F56)*(F59*L274))	L274+(K274/F56)*(F59*L274)-(L274*F510) M274+1	N274+(L274*F510) L275+N275	O275-O274 (SH\$14*O257)	Q275-Q274
12/9/2020	K275-((K275/F56)*(F59*L275))	L275+(K275/F56)*(F59*L275)-(L275*F510) M275+1	N275+(L275*F510) L276+N276	O276-O275 (SH\$14*O258)	Q276-Q275
12/10/2020	K276-((K276/F56)*(F59*L276))	L276+(K276/F56)*(F59*L276)-(L276*F510) M276+1	N276+(L276*F510) L277+N277	O277-O276 (SH\$14*O259)	Q277-Q276
12/11/2020	K277-((K277/F56)*(F59*L277))	L277+(K277/F56)*(F59*L277)-(L277*F510) M277+1	N277+(L277*F510) L278+N278	O278-O277 (SH\$14*O260)	Q278-Q277
12/12/2020	K278-((K278/F56)*(F59*L278))	L278+(K278/F56)*(F59*L278)-(L278*F510) M278+1	N278+(L278*F510) L279+N279	O279-O278 (SH\$14*O261)	Q279-Q278
12/13/2020	K279-((K279/F56)*(F59*L279))	L279+(K279/F56)*(F59*L279)-(L279*F510) M279+1	N279+(L279*F510) L280+N280	O280-O279 (SH\$14*O262)	Q280-Q279
12/14/2020	K280-((K280/F56)*(F59*L280))	L280+(K280/F56)*(F59*L280)-(L280*F510) M280+1	N280+(L280*F510) L281+N281	O281-O280 (SH\$14*O263)	Q281-Q280
12/15/2020	K281-((K281/F56)*(F59*L281))	L281+(K281/F56)*(F59*L281)-(L281*F510) M281+1	N281+(L281*F510) L282+N282	O282-O281 (SH\$14*O264)	Q282-Q281
12/16/2020	K282-((K282/F56)*(F59*L282))	L282+(K282/F56)*(F59*L282)-(L282*F510) M282+1	N282+(L282*F510) L283+N283	O283-O282 (SH\$14*O265)	Q283-Q282
12/17/2020	K283-((K283/F56)*(F59*L283))	L283+(K283/F56)*(F59*L283)-(L283*F510) M283+1	N283+(L283*F510) L284+N284	O284-O283 (SH\$14*O266)	Q284-Q283
12/18/2020	K284-((K284/F56)*(F59*L284))	L284+(K284/F56)*(F59*L284)-(L284*F510) M284+1	N284+(L284*F510) L285+N285	O285-O284 (SH\$14*O267)	Q285-Q284
12/19/2020	K285-((K285/F56)*(F59*L285))	L285+(K285/F56)*(F59*L285)-(L285*F510) M285+1	N285+(L285*F510) L286+N286	O286-O285 (SH\$14*O268)	Q286-Q285
12/20/2020	K286-((K286/F56)*(F59*L286))	L286+(K286/F56)*(F59*L286)-(L286*F510) M286+1	N286+(L286*F510) L287+N287	O287-O286 (SH\$14*O269)	Q287-Q286
12/21/2020	K287-((K287/F56)*(F59*L287))	L287+(K287/F56)*(F59*L287)-(L287*F510) M287+1	N287+(L287*F510) L288+N288	O288-O287 (SH\$14*O270)	Q288-Q287
12/22/2020	K288-((K288/F56)*(F59*L288))	L288+(K288/F56)*(F59*L288)-(L288*F510) M288+1	N288+(L288*F510) L289+N289	O289-O288 (SH\$14*O271)	Q289-Q288
12/23/2020	K289-((K289/F56)*(F59*L289))	L289+(K289/F56)*(F59*L289)-(L289*F510) M289+1	N289+(L289*F510) L290+N290	O290-O289 (SH\$14*O272)	Q290-Q289
12/24/2020	K290-((K290/F56)*(F59*L290))	L290+(K290/F56)*(F59*L290)-(L290*F510) M290+1	N290+(L290*F510) L291+N291	O291-O290 (SH\$14*O273)	Q291-Q290
12/25/2020	K291-((K291/F56)*(F59*L291))	L291+(K291/F56)*(F59*L291)-(L291*F510) M291+1	N291+(L291*F510) L292+N292	O292-O291 (SH\$14*O274)	Q292-Q291
12/26/2020	K292-((K292/F56)*(F59*L292))	L292+(K292/F56)*(F59*L292)-(L292*F510) M292+1	N292+(L292*F510) L293+N293	O293-O292 (SH\$14*O275)	Q293-Q292
12/27/2020	K293-((K293/F56)*(F59*L293))	L293+(K293/F56)*(F59*L293)-(L293*F510) M293+1	N293+(L293*F510) L294+N294	O294-O293 (SH\$14*O276)	Q294-Q293
12/28/2020	K294-((K294/F56)*(F59*L294))	L294+(K294/F56)*(F59*L294)-(L294*F510) M294+1	N294+(L294*F510) L295+N295	O295-O294 (SH\$14*O277)	Q295-Q294
12/29/2020	K295-((K295/F56)*(F59*L295))	L295+(K295/F56)*(F59*L295)-(L295*F510) M295+1	N295+(L295*F510) L296+N296	O296-O295 (SH\$14*O278)	Q296-Q295
12/30/2020	K296-((K296/F56)*(F59*L296))	L296+(K296/F56)*(F59*L296)-(L296*F510) M296+1	N296+(L296*F510) L297+N297	O297-O296 (SH\$14*O279)	Q297-Q296
12/31/2020	K297-((K297/F56)*(F59*L297))	L297+(K297/F56)*(F59*L297)-(L297*F510) M297+1	N297+(L297*F510) L298+N298	O298-O297 (SH\$14*O280)	Q298-Q297