

Date	Open	High	Low	Close	Adj Close	Volume		ln return
4/24/2023	164.649994	165.649994	158.610001	162.550003	162.550003	140006600		-0.02977375
4/25/2023	159.820007	163.470001	158.75	160.669998	160.669998	121999300		0.002936405
4/26/2023	160.289993	160.669998	153.139999	153.75	153.75	153364100		-0.04890243
4/27/2023	152.639999	160.479996	152.369995	160.190002	160.190002	127015200		0.052700816
4/28/2023	160.899994	165	157.320007	164.309998	164.309998	122515800		0.014009573
5/1/2023	163.169998	163.279999	158.830002	161.830002	161.830002	109015000		-0.00793724
5/2/2023	161.880005	165.490005	158.929993	160.309998	160.309998	128259700		-0.01161907
5/3/2023	160.009995	165	159.910004	160.610001	160.610001	119728000		0.016733236
5/4/2023	162.710007	162.949997	159.649994	161.199997	161.199997	95108500		0.007713972
5/5/2023	163.970001	170.789993	163.509995	170.059998	170.059998	107440900		0.057761323
5/8/2023	173.720001	173.800003	169.190002	171.789993	171.789993	112249400		-0.02784202
5/9/2023	168.949997	169.820007	166.559998	169.149994	169.149994	88965000		0.021084272
5/10/2023	172.550003	174.429993	166.679993	168.539993	168.539993	119840700		-0.0225651
5/11/2023	168.699997	173.570007	166.789993	172.080002	172.080002	103889900		0.042759711
5/12/2023	176.070007	177.380005	167.229996	167.979996	167.979996	157577100		-0.04894354
5/15/2023	167.660004	169.759995	164.550003	166.350006	166.350006	105592500		-0.01206105
5/16/2023	165.649994	169.520004	164.350006	166.520004	166.520004	98288800		0.016524414
5/17/2023	168.410004	174.5	167.190002	173.860001	173.860001	125473600		0.033917368
5/18/2023	174.220001	177.059998	172.449997	176.889999	176.889999	109520300		0.016790838
5/19/2023	177.169998	181.949997	176.309998	180.139999	180.139999	136024200		0.019728469
5/22/2023	180.699997	189.320007	180.110001	188.869995	188.869995	132001400		0.029983168
5/23/2023	186.199997	192.960007	185.259995	185.770004	185.770004	156952100		-0.02155175
5/24/2023	182.229996	184.220001	178.220001	182.899994	182.899994	137605100		0.023376052
5/25/2023	186.539993	186.779999	180.580002	184.470001	184.470001	96870700		-0.01034602
5/26/2023	184.619995	198.600006	184.529999	193.169998	193.169998	162061500		0.08051764
5/30/2023	200.100006	204.479996	197.529999	201.160004	201.160004	128818700		-0.00160052
5/31/2023	199.779999	203.949997	195.119995	203.929993	203.929993	150711700		0.013967456
6/1/2023	202.589996	209.800003	199.369995	207.520004	207.520004	148029900		0.03663732

	Strike price		$\ln(S(0)/K)$		$r + \sigma^2/2$	σ	e^{-r}	d1
	169		0.010071772		0.046752244	0.033233845	0.954850973	1.709823706
	163		-0.04991575		0.046752244	0.033233845	0.954850973	-0.09518939
	168		-0.01676557		0.046752244	0.033233845	0.954850973	0.902293265
	163		-0.05332216		0.046752244	0.033233845	0.954850973	-0.19768762
	161		-0.01908341		0.046752244	0.033233845	0.954850973	0.832549866
	164		-0.01115288		0.046752244	0.033233845	0.954850973	1.0711779
	165		-0.01909012		0.046752244	0.033233845	0.954850973	0.832347907
	165		-0.0487277		0.046752244	0.033233845	0.954850973	-0.05944101
	168		-0.00178068		0.046752244	0.033233845	0.954850973	1.353185639
	163		-0.02428049		0.046752244	0.033233845	0.954850973	0.676170791
	168		0.076040448		0.046752244	0.033233845	0.954850973	3.694808505
	161		-0.00029592		0.046752244	0.033233845	0.954850973	1.397861875
	169		0.038699279		0.046752244	0.033233845	0.954850973	2.571219886
	166		0.022176498		0.046752244	0.033233845	0.954850973	2.074052592
	165		0.071015255		0.046752244	0.033233845	0.954850973	3.543601406
	164		0.040533778		0.046752244	0.033233845	0.954850973	2.626419623
	161		-0.00811672		0.046752244	0.033233845	0.954850973	1.162535496
	167		0.014413718		0.046752244	0.033233845	0.954850973	1.840472035
	166		0.085145059		0.046752244	0.033233845	0.954850973	3.968764482
	160		0.095705347		0.046752244	0.033233845	0.954850973	4.28652153
	161		0.109241846		0.046752244	0.033233845	0.954850973	4.693832165
	162		0.126954921		0.046752244	0.033233845	0.954850973	5.226815189
	164		0.087275791		0.046752244	0.033233845	0.954850973	4.032877805
	167		0.110651843		0.046752244	0.033233845	0.954850973	4.736258721
	167		0.082501194		0.046752244	0.033233845	0.954850973	3.889211109
	170		0.174853292		0.046752244	0.033233845	0.954850973	6.668067968
	168		0.179222944		0.046752244	0.033233845	0.954850973	6.799549941
	167		0.187220233		0.046752244	0.033233845	0.954850973	7.040186842

N(d1)		d2	N(d2)		Ke^r		Call	
0.956350761		1.676589861	0.953188645		155.6407086		10.06454176	
0.462082198		-0.12842324	0.448907022		160.4149634		3.525173896	
0.816549449		0.86905942	0.807592684		155.6407086		5.500700643	
0.421644739		-0.23092146	0.408687908		153.7310066		4.8375425	
0.797450678		0.799316022	0.787946404		156.5955596		8.19045382	
0.857955277		1.037944056	0.850351949		157.5504105		6.113638027	
0.797393702		0.799114062	0.787887862		157.5504105		7.828631594	
0.476300427		-0.09267485	0.463080939		160.4149634		4.304458519	
0.912001834		1.319951794	0.906574443		155.6407086		7.510807362	
0.750533892		0.642936946	0.739867493		160.4149634		9.497861446	
0.999889974		3.66157466	0.999874665		153.7310066		20.06914165	
0.918922725		1.36462803	0.913815005		161.3698144		8.5893059	
0.994932952		2.537986041	0.994425378		158.5052615		15.9244932	
0.980962787		2.040818747	0.979365577		157.5504105		15.96626906	
0.999802649		3.510367561	0.999776256		156.5955596		20.78447666	
0.995685582		2.593185778	0.995245431		153.7310066		16.02749746	
0.877490993		1.129301651	0.870614698		159.4601125		9.923958949	
0.967150517		1.80723819	0.964637426		158.5052615		15.86765779	
0.999963877		3.935530637	0.999958493		152.7761557		24.28378759	
0.999990925		4.253287686	0.999989467		153.7310066		28.21895844	
0.999998659		4.66059832	0.999998424		154.6858576		34.63413943	
0.999999914		5.193581344	0.999999897		156.5955596		36.36444696	
0.999972451		3.999643961	0.999968281		159.4601125		24.75987136	
0.999998912		4.703024876	0.999998718		159.4601125		27.31988759	
0.999949715		3.855977264	0.999942366		162.3246654		36.27470938	
1		6.634834123	1		160.4149634		44.06503255	
1		6.766316096	1		159.4601125		44.48988453	
1		7.006952997	1		160.4149634		49.38503955	

S(u)-k	(S(d)-K)+	S(d)-K	(S(d)-K)+		p	q		call
2.649994	2.649994	-16.779999	0		0.98	0.02	2.479742362	10.06454176
-4.529999	0	-21.779999	0		0.98	0.02	0	3.525173896
-2.330002	0	-16.779999	0		0.98	0.02	0	5.500700643
-0.520004	0	-14.779999	0		0.98	0.02	0	4.8375425
1	1	-17.779999	0		0.98	0.02	0.935753953	8.19045382
-1.720001	0	-18.779999	0		0.98	0.02	0	6.113638027
0.490005	0.490005	-18.779999	0		0.98	0.02	0.458524116	7.828631594
-3	0	-21.779999	0		0.98	0.02	0	4.304458519
-0.050003	0	-16.779999	0		0.98	0.02	0	7.510807362
2.789993	2.789993	-21.779999	0		0.98	0.02	2.61074698	9.497861446
12.800003	12.800003	-14.779999	0		0.98	0.02	11.97765341	20.06914165
0.820007	0.820007	-22.779999	0		0.98	0.02	0.767324792	8.5893059
8.429993	8.429993	-19.779999	0		0.98	0.02	7.888399277	15.9244932
8.570007	8.570007	-18.779999	0		0.98	0.02	8.019417931	15.96626906
13.380005	13.380005	-17.779999	0		0.98	0.02	12.52039258	20.78447666
8.759995	8.759995	-14.779999	0		0.98	0.02	8.197199953	16.02749746
2.520004	2.520004	-20.779999	0		0.98	0.02	2.358103706	9.923958949
8.5	8.5	-19.779999	0		0.98	0.02	7.953908604	15.86765779
17.059998	17.059998	-13.779999	0		0.98	0.02	15.96396057	24.28378759
20.949997	20.949997	-14.779999	0		0.98	0.02	19.60404252	28.21895844
27.320007	27.320007	-15.779999	0		0.98	0.02	25.56480456	34.63413943
28.960007	28.960007	-17.779999	0		0.98	0.02	27.09944104	36.36444696
17.220001	17.220001	-20.779999	0		0.98	0.02	16.11368401	24.75987136
19.779999	19.779999	-20.779999	0		0.98	0.02	18.50921226	27.31988759
28.600006	28.600006	-23.779999	0		0.98	0.02	26.76256868	36.27470938
36.479996	36.479996	-21.779999	0		0.98	0.02	34.13630048	44.06503255
36.949997	36.949997	-20.779999	0		0.98	0.02	34.57610577	44.48988453
41.800003	41.800003	-21.779999	0		0.98	0.02	39.11451806	49.38503955

6/2/2023	210.149994	217.25	209.75	213.970001	213.970001	164129000		0.035755691
6/5/2023	217.800003	221.289993	214.520004	217.610001	217.610001	151143100		-0.00765088
6/6/2023	216.139999	221.910004	212.529999	221.309998	221.309998	146911600		0.053419288
6/7/2023	228	230.830002	223.199997	224.570007	224.570007	185710800		-0.01671791
6/8/2023	224.220001	235.229996	223.009995	234.860001	234.860001	164489700		0.105106292
6/9/2023	249.070007	252.419998	242.020004	244.399994	244.399994	199882300		-0.00454722
6/12/2023	247.940002	250.970001	244.589996	249.830002	249.830002	150337900		0.022216461
6/13/2023	253.509995	259.679993	251.339996	258.709991	258.709991	162384300		0.025932063
6/14/2023	260.170013	261.570007	250.5	256.790009	256.790009	170575500		-0.04629499
6/15/2023	248.399994	258.950012	247.289993	255.899994	255.899994	160171200		0.041478858
6/16/2023	258.920013	263.600006	257.209991	260.540009	260.540009	167563700		0.0099151
6/20/2023	261.5	274.75	261.119995	274.450012	274.450012	165611200		0.050809448
6/21/2023	275.130005	276.98999	257.779999	259.459991	259.459991	211797100		-0.09270753
6/22/2023	250.770004	265	248.25	264.609985	264.609985	166875900		0.033410961
6/23/2023	259.290009	262.450012	252.800003	256.600006	256.600006	176584100		-0.03620625
6/26/2023	250.070007	258.369995	240.699997	241.050003	241.050003	179990600		-0.02769228
6/27/2023	243.240005	250.389999	240.850006	250.210007	250.210007	164968200		0.026211554
6/28/2023	249.699997	259.880005	248.889999	256.23999	256.23999	159770800		0.032815668
6/29/2023	258.029999	260.73999	253.610001	257.5	257.5	131283400		0.009910834
6/30/2023	260.600006	264.450012	259.890015	261.769989	261.769989	112267600		0.05918793
7/3/2023	276.48999	284.25	275.109985	279.820007	279.820007	119685900		0.00839182
7/5/2023	278.820007	283.850006	277.600006	282.480011	282.480011	131530900		-0.00262165
7/6/2023	278.089996	279.970001	272.880005	276.540009	276.540009	120332100		0.001221868
7/7/2023	278.429993	280.779999	273.769989	274.429993	274.429993	113602000		-0.00706434
7/10/2023	276.470001	277.519989	265.100006	269.609985	269.609985	119425400		-0.02869292
7/11/2023	268.649994	270.899994	266.369995	269.790009	269.790009	91972400		0.028186362
7/12/2023	276.329987	276.519989	271.459991	271.98999	271.98999	95672100		-0.0063167
7/13/2023	274.589996	279.450012	270.600006	277.899994	277.899994	112681500		0.008774581
7/14/2023	277.01001	285.299988	276.309998	281.380005	281.380005	119771100		0.03413856

	168		0.241876059		0.046752244	0.033233845	0.954850973	8.684770131
	165		0.27763175		0.046752244	0.033233845	0.954850973	9.760652007
	165		0.269980867		0.046752244	0.033233845	0.954850973	9.530438408
	165		0.354171814		0.046752244	0.033233845	0.954850973	12.06372779
	160		0.331223352		0.046752244	0.033233845	0.954850973	11.373213
	161		0.387835295		0.046752244	0.033233845	0.954850973	13.07665546
	169		0.431782424		0.046752244	0.033233845	0.954850973	14.39901614
	161		0.429457776		0.046752244	0.033233845	0.954850973	14.32906793
	165		0.431436599		0.046752244	0.033233845	0.954850973	14.38861031
	169		0.379241889		0.046752244	0.033233845	0.954850973	12.81808153
	170		0.45057371		0.046752244	0.033233845	0.954850973	14.96444231
	165		0.430635846		0.046752244	0.033233845	0.954850973	14.36451583
	170		0.542069916		0.046752244	0.033233845	0.954850973	17.71754556
	160		0.394637485		0.046752244	0.033233845	0.954850973	13.28133207
	169		0.482773346		0.046752244	0.033233845	0.954850973	15.93332316
	160		0.391842192		0.046752244	0.033233845	0.954850973	13.19722222
	169		0.364149916		0.046752244	0.033233845	0.954850973	12.36396697
	169		0.44508637		0.046752244	0.033233845	0.954850973	14.79932931
	160		0.459325653		0.046752244	0.033233845	0.954850973	15.22778658
	163		0.439022708		0.046752244	0.033233845	0.954850973	14.61687489
	168		0.534578283		0.046752244	0.033233845	0.954850973	17.49212374
	162		0.524620964		0.046752244	0.033233845	0.954850973	17.19250993
	165		0.534194587		0.046752244	0.033233845	0.954850973	17.48057842
	163		0.541570321		0.046752244	0.033233845	0.954850973	17.70251283
	162		0.534505984		0.046752244	0.033233845	0.954850973	17.4899483
	162		0.50581306		0.046752244	0.033233845	0.954850973	16.62658371
	162		0.515650283		0.046752244	0.033233845	0.954850973	16.92258387
	165		0.533874697		0.046752244	0.033233845	0.954850973	17.47095297
	161		0.542649278		0.046752244	0.033233845	0.954850973	17.73497843

1	8.651536286	1	157.5504105	59.69958947
1	9.727418162	1	157.5504105	63.73958247
1	9.497204563	1	157.5504105	64.35959347
1	12.03049395	1	152.7761557	78.05384634
1	11.33997915	1	153.7310066	81.49898936
1	13.04342161	1	161.3698144	91.05018358
1	14.3657823	1	153.7310066	97.23899436
1	14.29583408	1	157.5504105	102.1295825
1	14.35537646	1	161.3698144	100.2001926
1	12.78484769	1	162.3246654	96.62534661
1	14.93120846	1	157.5504105	106.0495955
1	14.33128199	1	162.3246654	112.4253346
1	17.68431171	1	152.7761557	124.2138343
1	13.24809822	1	161.3698144	103.6301856
1	15.90008932	1	152.7761557	109.6738563
1	13.16398838	1	161.3698144	97.00018058
1	12.33073312	1	161.3698144	89.02018458
1	14.76609546	1	152.7761557	107.1038493
1	15.19455273	1	155.6407086	105.0992814
1	14.58364105	1	160.4149634	104.0350486
1	17.4588899	1	154.6858576	129.5641424
1	17.15927608	1	157.5504105	126.2995955
1	17.44734457	1	155.6407086	124.3292924
1	17.66927898	1	154.6858576	126.0941414
1	17.45671446	1	154.6858576	122.8341314
1	16.59334987	1	154.6858576	116.2141364
1	16.88935002	1	157.5504105	118.9695785
1	17.43771913	1	153.7310066	125.7190054
1	17.70174459	1	153.7310066	131.5689814

52.25	52.25	-18.779999	0		0.98	0.02	48.89314407	59.69958947
56.289993	56.289993	-18.779999	0		0.98	0.02	52.67358349	63.73958247
56.910004	56.910004	-18.779999	0		0.98	0.02	53.25376123	64.35959347
70.830002	70.830002	-13.779999	0		0.98	0.02	66.27945439	78.05384634
74.229996	74.229996	-14.779999	0		0.98	0.02	69.46101222	81.49898936
83.419998	83.419998	-22.779999	0		0.98	0.02	78.06059292	91.05018358
89.970001	89.970001	-14.779999	0		0.98	0.02	84.18978413	97.23899436
94.679993	94.679993	-18.779999	0		0.98	0.02	88.59717776	102.1295825
92.570007	92.570007	-22.779999	0		0.98	0.02	86.62275002	100.2001926
88.950012	88.950012	-23.779999	0		0.98	0.02	83.23532539	96.62534661
98.600006	98.600006	-18.779999	0		0.98	0.02	92.26534542	106.0495955
104.75	104.75	-23.779999	0		0.98	0.02	98.02022662	112.4253346
116.98999	116.98999	-13.779999	0		0.98	0.02	109.4738457	124.2138343
96	96	-22.779999	0		0.98	0.02	89.83237953	103.6301856
102.450012	102.450012	-13.779999	0		0.98	0.02	95.86800376	109.6738563
89.369995	89.369995	-22.779999	0		0.98	0.02	83.62832614	97.00018058
81.389999	81.389999	-22.779999	0		0.98	0.02	76.16101333	89.02018458
99.880005	99.880005	-13.779999	0		0.98	0.02	93.46310955	107.1038493
97.73999	97.73999	-16.779999	0		0.98	0.02	91.46058205	105.0992814
96.450012	96.450012	-21.779999	0		0.98	0.02	90.25348004	104.0350486
122.25	122.25	-15.779999	0		0.98	0.02	114.3959208	129.5641424
118.850006	118.850006	-18.779999	0		0.98	0.02	111.214363	126.2995955
116.970001	116.970001	-16.779999	0		0.98	0.02	109.4551409	124.3292924
118.779999	118.779999	-15.779999	0		0.98	0.02	111.1488537	126.0941414
115.519989	115.519989	-15.779999	0		0.98	0.02	108.0982864	122.8341314
108.899994	108.899994	-15.779999	0		0.98	0.02	101.9035999	116.2141364
111.519989	111.519989	-18.779999	0		0.98	0.02	104.3552706	118.9695785
118.450012	118.450012	-14.779999	0		0.98	0.02	110.840067	125.7190054
124.299988	124.299988	-14.779999	0		0.98	0.02	116.3142052	131.5689814

7/17/2023	286.630005	292.230011	283.570007	290.380005	290.380005	131569600	0.012205807
7/18/2023	290.149994	295.26001	286.01001	293.339996	293.339996	112434700	0.020096601
7/19/2023	296.040009	299.290009	289.519989	291.26001	291.26001	142355400	-0.05727768
7/20/2023	279.559998	280.929993	261.200012	262.899994	262.899994	175158300	-0.04222995
7/21/2023	268	268	255.800003	260.019989	260.019989	161050100	-0.04639562
7/24/2023	255.850006	269.850006	254.119995	269.059998	269.059998	136508500	0.06260681
7/25/2023	272.380005	272.899994	265	265.279999	265.279999	112757300	-0.03409402
7/26/2023	263.25	268.040009	261.75	264.350006	264.350006	95856200	0.01903887
7/27/2023	268.309998	269.130005	255.300003	255.710007	255.710007	103697300	-0.03200005
7/28/2023	259.859985	267.25	258.230011	266.440002	266.440002	111446000	0.028901872
7/31/2023	267.480011	269.079987	263.779999	267.429993	267.429993	84582200	-0.00457153
8/1/2023	266.26001	266.470001	260.25	261.070007	261.070007	83166000	-0.04097694
8/2/2023	255.570007	259.519989	250.490005	254.110001	254.110001	101752900	-0.01390859
8/3/2023	252.039993	260.48999	252	259.320007	259.320007	97569100	0.034817685
8/4/2023	260.970001	264.769989	253.110001	253.860001	253.860001	99242600	-0.03716131
8/7/2023	251.449997	253.649994	242.759995	251.449997	251.449997	111097900	-0.01603562
8/8/2023	247.449997	250.919998	245.009995	249.699997	249.699997	96642200	0.013726327
8/9/2023	250.869995	251.100006	241.899994	242.190002	242.190002	101596300	-0.02204535
8/10/2023	245.399994	251.800003	243	245.339996	245.339996	109498600	-0.01490263
8/11/2023	241.770004	243.789993	238.020004	242.649994	242.649994	98866600	-0.02542708
8/14/2023	235.699997	240.660004	233.75	239.759995	239.759995	98595300	0.012773392
8/15/2023	238.729996	240.5	232.610001	232.960007	232.960007	88197600	-0.04589983
8/16/2023	228.020004	233.970001	225.380005	225.600006	225.600006	112484500	-0.00863292
8/17/2023	226.059998	226.740005	218.830002	219.220001	219.220001	120718400	-0.05426386
8/18/2023	214.119995	217.580002	212.360001	215.490005	215.490005	135813700	0.034111729
8/21/2023	221.550003	232.130005	220.580002	231.279999	231.279999	135702700	0.081031737
8/22/2023	240.25	240.820007	229.550003	233.190002	233.190002	130597900	-0.04647445
8/23/2023	229.339996	238.979996	229.289993	236.860001	236.860001	101077600	0.039834361
8/24/2023	238.660004	238.919998	228.179993	230.039993	230.039993	99777400	-0.03128117

161	0.546204415	0.046752244	0.033233845	0.954850973	17.84195181
166	0.534599573	0.046752244	0.033233845	0.954850973	17.49276436
170	0.572500798	0.046752244	0.033233845	0.954850973	18.63320495
167	0.558043116	0.046752244	0.033233845	0.954850973	18.19817607
160	0.461088266	0.046752244	0.033233845	0.954850973	15.28082326
169	0.469417543	0.046752244	0.033233845	0.954850973	15.53144963
160	0.483234189	0.046752244	0.033233845	0.954850973	15.94718984
168	0.497930336	0.046752244	0.033233845	0.954850973	16.38939407
160	0.474149209	0.046752244	0.033233845	0.954850973	15.67382453
167	0.436178987	0.046752244	0.033233845	0.954850973	14.53130787
168	0.483099364	0.046752244	0.033233845	0.954850973	15.94313299
165	0.472485524	0.046752244	0.033233845	0.954850973	15.62376458
166	0.462092007	0.046752244	0.033233845	0.954850973	15.31102565
161	0.399689062	0.046752244	0.033233845	0.954850973	13.43333305
169	0.489231647	0.046752244	0.033233845	0.954850973	16.12765219
160	0.409250338	0.046752244	0.033233845	0.954850973	13.72103
167	0.436034714	0.046752244	0.033233845	0.954850973	14.52696672
160	0.38913642	0.046752244	0.033233845	0.954850973	13.11580606
170	0.40302308	0.046752244	0.033233845	0.954850973	13.533653
164	0.38812045	0.046752244	0.033233845	0.954850973	13.08523572
164	0.362693369	0.046752244	0.033233845	0.954850973	12.32013976
164	0.381582989	0.046752244	0.033233845	0.954850973	12.88852477
163	0.323487888	0.046752244	0.033233845	0.954850973	11.14045437
165	0.285002005	0.046752244	0.033233845	0.954850973	9.982421547
170	0.260591108	0.046752244	0.033233845	0.954850973	9.247902364
165	0.300781883	0.046752244	0.033233845	0.954850973	10.45723506
164	0.406506233	0.046752244	0.033233845	0.954850973	13.63846039
160	0.317211789	0.046752244	0.033233845	0.954850973	10.95160775
167	0.363052173	0.046752244	0.033233845	0.954850973	12.3309361

1	17.80871797	1	158.5052615	133.7247495
1	17.45953052	1	162.3246654	132.9353446
1	18.5999711	1	159.4601125	139.8298965
1	18.16494223	1	152.7761557	128.1538373
1	15.24758942	1	161.3698144	106.6301856
1	15.49821579	1	152.7761557	117.0738503
1	15.913956	1	160.4149634	112.4850306
1	16.35616023	1	152.7761557	115.2638533
1	15.64059068	1	159.4601125	109.6698925
1	14.49807403	1	160.4149634	106.8350366
1	15.90989915	1	157.5504105	111.5295765
1	15.59053074	1	158.5052615	107.9647395
1	15.27779181	1	153.7310066	105.7889824
1	13.4000992	1	161.3698144	99.12017558
1	16.09441835	1	152.7761557	111.9938333
1	13.68779616	1	159.4601125	94.18988153
1	14.49373287	1	152.7761557	98.14384234
1	13.08257222	1	162.3246654	88.77534061
1	13.50041915	1	156.5955596	95.20444344
1	13.05200187	1	156.5955596	87.19443344
1	12.28690592	1	156.5955596	84.06444444
1	12.85529093	1	155.6407086	84.85929142
1	11.10722052	1	157.5504105	76.41959047
1	9.949187702	1	162.3246654	64.41533961
1	9.214668519	1	157.5504105	60.02959147
1	10.42400121	1	156.5955596	75.53444544
1	13.60522655	1	152.7761557	88.04385134
1	10.9183739	1	159.4601125	79.51988353
1	12.29770226	1	158.5052615	80.4147365

126.230011	126.230011	-19.779999	0		0.98	0.02	118.1202318	133.7247495
125.26001	125.26001	-23.779999	0		0.98	0.02	117.2125496	132.9353446
132.290009	132.290009	-20.779999	0		0.98	0.02	123.7908989	139.8298965
120.929993	120.929993	-13.779999	0		0.98	0.02	113.160719	128.1538373
99	99	-22.779999	0		0.98	0.02	92.63964139	106.6301856
109.850006	109.850006	-13.779999	0		0.98	0.02	102.7925774	117.0738503
104.899994	104.899994	-21.779999	0		0.98	0.02	98.1605841	112.4850306
108.040009	108.040009	-13.779999	0		0.98	0.02	101.0988656	115.2638533
102.130005	102.130005	-20.779999	0		0.98	0.02	95.56855594	109.6698925
99.25	99.25	-21.779999	0		0.98	0.02	92.87357988	106.8350366
104.079987	104.079987	-18.779999	0		0.98	0.02	97.39325931	111.5295765
100.470001	100.470001	-19.779999	0		0.98	0.02	94.01520064	107.9647395
98.519989	98.519989	-14.779999	0		0.98	0.02	92.1904692	105.7889824
91.48999	91.48999	-22.779999	0		0.98	0.02	85.61211984	99.12017558
104.769989	104.769989	-13.779999	0		0.98	0.02	98.03893141	111.9938333
86.649994	86.649994	-20.779999	0		0.98	0.02	81.08307445	94.18988153
90.919998	90.919998	-13.779999	0		0.98	0.02	85.07874758	98.14384234
81.100006	81.100006	-23.779999	0		0.98	0.02	75.88965124	88.77534061
87.800003	87.800003	-17.779999	0		0.98	0.02	82.15919992	95.20444344
79.789993	79.789993	-17.779999	0		0.98	0.02	74.66380139	87.19443344
76.660004	76.660004	-17.779999	0		0.98	0.02	71.73490181	84.06444444
77.5	77.5	-16.779999	0		0.98	0.02	72.52093139	84.85929142
68.970001	68.970001	-18.779999	0		0.98	0.02	64.5389511	76.41959047
56.740005	56.740005	-23.779999	0		0.98	0.02	53.094684	64.41533961
52.580002	52.580002	-18.779999	0		0.98	0.02	49.20194474	60.02959147
68.130005	68.130005	-17.779999	0		0.98	0.02	63.75292153	75.53444544
80.820007	80.820007	-13.779999	0		0.98	0.02	75.62764107	88.04385134
71.979996	71.979996	-20.779999	0		0.98	0.02	67.35556583	79.51988353
72.919998	72.919998	-19.779999	0		0.98	0.02	68.23517641	80.4147365

8/25/2023	231.309998	239	230.350006	238.589996	238.589996	106612200		0.047572768
8/28/2023	242.580002	244.380005	235.350006	238.820007	238.820007	107673700		-0.01662687
8/29/2023	238.580002	257.480011	237.770004	257.179993	257.179993	134047600		0.063416655
8/30/2023	254.199997	260.51001	250.589996	256.899994	256.899994	121988400		0.006977954
8/31/2023	255.979996	261.179993	255.050003	258.079987	258.079987	108861700		0.004987985
9/1/2023	257.26001	259.079987	242.009995	245.009995	245.009995	132272500		-0.04882907
9/5/2023	245	258	244.860001	256.48999	256.48999	129469600		0.0405542
9/6/2023	255.139999	255.389999	245.059998	251.919998	251.919998	116959800		-0.0402685
9/7/2023	245.070007	252.809998	243.270004	251.490005	251.490005	115312900		0.024785141
9/8/2023	251.220001	256.519989	246.669998	248.5	248.5	118367700		0.050642213
9/11/2023	264.269989	274.850006	260.609985	273.579987	273.579987	174667900		0.02426159
9/12/2023	270.76001	278.390015	266.600006	267.480011	267.480011	135999900		-0.00255165
9/13/2023	270.070007	274.980011	268.100006	271.299988	271.299988	111673700		0.004617751
9/14/2023	271.320007	276.709991	270.420013	276.040009	276.040009	107709800		0.022702092
9/15/2023	277.549988	278.980011	271	274.390015	274.390015	133422800		-0.02329199
9/18/2023	271.160004	271.440002	263.76001	265.279999	265.279999	101543300		-0.02543506
9/19/2023	264.350006	267.850006	261.200012	266.5	266.5	103704000		0.010124488
9/20/2023	267.040009	273.929993	262.459991	262.589996	262.589996	122514600		-0.03502045
9/21/2023	257.850006	260.859985	254.210007	255.699997	255.699997	119531000		-0.00174677
9/22/2023	257.399994	257.790009	244.479996	244.880005	244.880005	127524100		-0.05600724
9/25/2023	243.380005	247.100006	238.309998	246.990005	246.990005	104636600		-0.00164491
9/26/2023	242.979996	249.550003	241.660004	244.119995	244.119995	101993600		0.005254092
9/27/2023	244.259995	245.330002	234.580002	240.5	240.5	136597200		-0.01751094
9/28/2023	240.020004	247.550003	238.649994	246.380005	246.380005	117058900		0.040738648
9/29/2023	250	254.770004	246.350006	250.220001	250.220001	128346200		-0.02097853
10/2/2023	244.809998	254.279999	242.619995	251.600006	251.600006	123810400		0.015403016
10/3/2023	248.610001	250.020004	244.449997	246.529999	246.529999	101985300		-0.00189231
10/4/2023	248.139999	261.859985	247.600006	261.160004	261.160004	129721600		0.046688532
10/5/2023	260	263.600006	256.25	260.049988	260.049988	119159200		-0.02342612

166	0.350008593	0.046752244	0.033233845	0.954850973	11.93845727
163	0.39758136	0.046752244	0.033233845	0.954850973	13.3699127
163	0.338906255	0.046752244	0.033233845	0.954850973	11.60439007
170	0.414157368	0.046752244	0.033233845	0.954850973	13.86868157
168	0.469925486	0.046752244	0.033233845	0.954850973	15.54673351
160	0.426123306	0.046752244	0.033233845	0.954850973	14.22873436
168	0.426084395	0.046752244	0.033233845	0.954850973	14.22756354
160	0.454216075	0.046752244	0.033233845	0.954850973	15.07404037
162	0.420139548	0.046752244	0.033233845	0.954850973	14.04868422
161	0.390530616	0.046752244	0.033233845	0.954850973	13.15775716
170	0.495566901	0.046752244	0.033233845	0.954850973	16.31827878
161	0.526059041	0.046752244	0.033233845	0.954850973	17.23578141
160	0.486693422	0.046752244	0.033233845	0.954850973	16.0512775
166	0.515702627	0.046752244	0.033233845	0.954850973	16.92415888
162	0.502037074	0.046752244	0.033233845	0.954850973	16.51296505
168	0.472810352	0.046752244	0.033233845	0.954850973	15.6335386
169	0.453310026	0.046752244	0.033233845	0.954850973	15.04677753
168	0.469404681	0.046752244	0.033233845	0.954850973	15.53106261
167	0.416579607	0.046752244	0.033233845	0.954850973	13.94156628
170	0.463034937	0.046752244	0.033233845	0.954850973	15.33939822
162	0.419450213	0.046752244	0.033233845	0.954850973	14.02794228
160	0.393112691	0.046752244	0.033233845	0.954850973	13.2354513
164	0.362434774	0.046752244	0.033233845	0.954850973	12.31235868
170	0.380855842	0.046752244	0.033233845	0.954850973	12.86664507
164	0.403467105	0.046752244	0.033233845	0.954850973	13.54701364
167	0.400615963	0.046752244	0.033233845	0.954850973	13.46122333
164	0.422135207	0.046752244	0.033233845	0.954850973	14.10873322
163	0.39002912	0.046752244	0.033233845	0.954850973	13.14266723
168	0.46693143	0.046752244	0.033233845	0.954850973	15.45664296

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1	13.33667885	1	155.6407086	88.73929642
1	11.57115623	1	162.3246654	95.15534561
1	13.83544772	1	160.4149634	100.0950466
1	15.51349967	1	152.7761557	108.4038373
1	14.19550051	1	160.4149634	98.66502355
1	14.1943297	1	152.7761557	105.2238443
1	15.04080653	1	154.6858576	100.7041414
1	14.01545037	1	153.7310066	99.07899136
1	13.12452332	1	162.3246654	94.19532361
1	16.28504493	1	153.7310066	121.1189994
1	17.20254757	1	152.7761557	125.6138593
1	16.01804366	1	158.5052615	116.4747495
1	16.89092504	1	154.6858576	122.0241334
1	16.4797312	1	160.4149634	118.5650476
1	15.60030476	1	161.3698144	110.0701876
1	15.01354369	1	160.4149634	107.4350426
1	15.49782877	1	159.4601125	114.4698805
1	13.90833243	1	162.3246654	98.53531961
1	15.30616438	1	154.6858576	103.1041514
1	13.99470843	1	152.7761557	94.32385034
1	13.20221746	1	156.5955596	92.95444344
1	12.27912484	1	162.3246654	83.00533661
1	12.83341123	1	156.5955596	90.95444344
1	13.51377979	1	159.4601125	95.30989153
1	13.42798948	1	156.5955596	97.68443944
1	14.07549937	1	155.6407086	94.37929542
1	13.10943338	1	160.4149634	101.4450216
1	15.42340912	1	155.6407086	107.9592974

76	76	-16.779999	0		0.98	0.02	71.11730046	83.35929142
81.380005	81.380005	-16.779999	0		0.98	0.02	76.15166141	88.73929642
87.480011	87.480011	-23.779999	0		0.98	0.02	81.85976614	95.15534561
92.51001	92.51001	-21.779999	0		0.98	0.02	86.56660759	100.0950466
101.179993	101.179993	-13.779999	0		0.98	0.02	94.67957846	108.4038373
91.079987	91.079987	-21.779999	0		0.98	0.02	85.22845791	98.66502355
98	98	-13.779999	0		0.98	0.02	91.70388744	105.2238443
93.389999	93.389999	-15.779999	0		0.98	0.02	87.39006078	100.7041414
91.809998	91.809998	-14.779999	0		0.98	0.02	85.91156859	99.07899136
86.519989	86.519989	-23.779999	0		0.98	0.02	80.96142176	94.19532361
113.850006	113.850006	-14.779999	0		0.98	0.02	106.5355932	121.1189994
118.390015	118.390015	-13.779999	0		0.98	0.02	110.7839246	125.6138593
108.980011	108.980011	-19.779999	0		0.98	0.02	101.9784761	116.4747495
114.709991	114.709991	-15.779999	0		0.98	0.02	107.3403276	122.0241334
110.980011	110.980011	-21.779999	0		0.98	0.02	103.849984	118.5650476
102.440002	102.440002	-22.779999	0		0.98	0.02	95.85863686	110.0701876
99.850006	99.850006	-21.779999	0		0.98	0.02	93.43503787	107.4350426
106.929993	106.929993	-20.779999	0		0.98	0.02	100.0601637	114.4698805
90.859985	90.859985	-23.779999	0		0.98	0.02	85.02259017	98.53531961
95.790009	95.790009	-15.779999	0		0.98	0.02	89.63587962	103.1041514
87.100006	87.100006	-13.779999	0		0.98	0.02	81.50417496	94.32385034
85.550003	85.550003	-17.779999	0		0.98	0.02	80.05375352	92.95444344
75.330002	75.330002	-23.779999	0		0.98	0.02	70.49034718	83.00533661
83.550003	83.550003	-17.779999	0		0.98	0.02	78.18224562	90.95444344
87.770004	87.770004	-20.779999	0		0.98	0.02	82.13112824	95.30989153
90.279999	90.279999	-17.779999	0		0.98	0.02	84.47986598	97.68443944
87.020004	87.020004	-16.779999	0		0.98	0.02	81.42931277	94.37929542
93.859985	93.859985	-21.779999	0		0.98	0.02	87.82985203	101.4450216
100.600006	100.600006	-16.779999	0		0.98	0.02	94.13685333	107.9592974

10/6/2023	253.979996	261.649994	250.649994	260.529999	260.529999	117947000		0.005222977
10/9/2023	255.309998	261.359985	252.050003	259.670013	259.670013	101377900		0.009511638
10/10/2023	257.75	268.940002	257.649994	263.619995	263.619995	122656000		0.032257828
10/11/2023	266.200012	268.600006	260.899994	262.98999	262.98999	103706300		-0.0123981
10/12/2023	262.920013	265.410004	256.630005	258.869995	258.869995	111508100		-0.01540799
10/13/2023	258.899994	259.600006	250.220001	251.119995	251.119995	102073800		-0.03478095
10/16/2023	250.050003	255.399994	248.479996	253.919998	253.919998	88917200		0.000199952
10/17/2023	250.100006	257.179993	247.080002	254.850006	254.850006	93562900		0.010342141
10/18/2023	252.699997	254.630005	242.080002	242.679993	242.679993	125147800		-0.11188928
10/19/2023	225.949997	230.610001	216.779999	220.110001	220.110001	170772700		-0.04037031
10/20/2023	217.009995	218.860001	210.419998	211.990005	211.990005	137734000		-0.03283588
10/23/2023	210	216.979996	202.509995	212.080002	212.080002	150683400		0.030483017
10/24/2023	216.5	222.050003	214.110001	216.520004	216.520004	118231100		-0.00286783
10/25/2023	215.880005	220.100006	212.199997	212.419998	212.419998	107065100		-0.02134912
10/26/2023	211.320007	214.800003	204.880005	205.759995	205.759995	115112600		-0.00341298
10/27/2023	210.600006	212.410004	205.770004	207.300003	207.300003	94881200		-0.00628756
10/30/2023	209.279999	210.880005	194.669998	197.360001	197.360001	136448200		-0.06494637
10/31/2023	196.119995	202.800003	194.070007	200.839996	200.839996	118068300		0.039589327
11/1/2023	204.039993	205.990005	197.850006	205.660004	205.660004	121661700		0.042835297
11/2/2023	212.970001	219.199997	211.449997	218.509995	218.509995	125987600		0.037689862
11/3/2023	221.149994	226.369995	218.399994	219.960007	219.960007	119281000		0.012715567
11/6/2023	223.979996	226.320007	215	219.270004	219.270004	117335800		-0.01802013
11/7/2023	219.979996	223.119995	215.720001	222.179993	222.179993	116900100		0.014307549
11/8/2023	223.149994	224.149994	217.639999	222.110001	222.110001	106584800		-0.01535363
11/9/2023	219.75	220.800003	206.679993	209.979996	209.979996	142110500		-0.04524016
11/10/2023	210.029999	215.380005	205.690002	214.649994	214.649994	130994000		0.026174494
11/13/2023	215.600006	225.399994	211.610001	223.710007	223.710007	140447600		0.086288294
11/14/2023	235.029999	238.139999	230.720001	237.410004	237.410004	149771600		0.017963015
11/15/2023	239.289993	246.699997	236.449997	242.839996	242.839996	150354000		0.000835507

	163		0.42526772		0.046752244	0.033233845	0.954850973	14.20298993
	166		0.45488215		0.046752244	0.033233845	0.954850973	15.09408244
	162		0.470585758		0.046752244	0.033233845	0.954850973	15.56660098
	161		0.454349236		0.046752244	0.033233845	0.954850973	15.07804716
	169		0.471983425		0.046752244	0.033233845	0.954850973	15.60865652
	164		0.438448051		0.046752244	0.033233845	0.954850973	14.59958357
	167		0.440256545		0.046752244	0.033233845	0.954850973	14.6540008
	161		0.391962147		0.046752244	0.033233845	0.954850973	13.20083165
	169		0.432336575		0.046752244	0.033233845	0.954850973	14.41569042
	164		0.290415008		0.046752244	0.033233845	0.954850973	10.14529776
	169		0.292347077		0.046752244	0.033233845	0.954850973	10.20343336
	162		0.229113718		0.046752244	0.033233845	0.954850973	8.300753754
	167		0.27772412		0.046752244	0.033233845	0.954850973	9.76343138
	164		0.250758742		0.046752244	0.033233845	0.954850973	8.952048339
	168		0.259623405		0.046752244	0.033233845	0.954850973	9.218784347
	163		0.23797284		0.046752244	0.033233845	0.954850973	8.567323017
	166		0.256076728		0.046752244	0.033233845	0.954850973	9.112065537
	162		0.148827976		0.046752244	0.033233845	0.954850973	5.884971221
	169		0.188417304		0.046752244	0.033233845	0.954850973	7.076206469
	169		0.243157503		0.046752244	0.033233845	0.954850973	8.723328534
	167		0.286853389		0.046752244	0.033233845	0.954850973	10.03812933
	166		0.330152379		0.046752244	0.033233845	0.954850973	11.34098763
	161		0.281548827		0.046752244	0.033233845	0.954850973	9.878516077
	166		0.326439799		0.046752244	0.033233845	0.954850973	11.22927681
	161		0.280502748		0.046752244	0.033233845	0.954850973	9.84703978
	166		0.235262585		0.046752244	0.033233845	0.954850973	8.485771956
	166		0.267479393		0.046752244	0.033233845	0.954850973	9.455169525
	165		0.329814446		0.046752244	0.033233845	0.954850973	11.33081929
	169		0.383925975		0.046752244	0.033233845	0.954850973	12.95902479

1		14.16975608	1		158.5052615		103.1447325
1		15.0608486	1		154.6858576		106.6741274
1		15.53336714	1		153.7310066		115.2089954
1		15.04481332	1		161.3698144		107.2301916
1		15.57542267	1		156.5955596		108.8144444
1		14.56634972	1		159.4601125		100.1398935
1		14.62076695	1		153.7310066		101.6689874
1		13.16759781	1		161.3698144		95.81017858
1		14.38245657	1		156.5955596		98.03444544
1		10.11206392	1		161.3698144		69.24018658
1		10.17019951	1		154.6858576		64.17414339
1		8.267519909	1		159.4601125		57.51988353
1		9.730197535	1		156.5955596		65.45444344
1		8.918814494	1		160.4149634		59.68504255
1		9.185550502	1		155.6407086		59.15929442
1		8.534089172	1		158.5052615		53.9047425
1		9.078831692	1		154.6858576		56.19414739
0.999999998		5.851737376	0.999999998		161.3698144		41.43018857
1		7.042972624	1		161.3698144		44.62019058
1		8.690094689	1		159.4601125		59.73988453
1		10.00489549	1		158.5052615		67.8647335
1		11.30775379	1		153.7310066		72.58900036
1		9.845282232	1		158.5052615		64.6147335
1		11.19604296	1		153.7310066		70.41898736
1		9.813805935	1		158.5052615		62.2947415
1		8.452538111	1		158.5052615		56.8747435
1		9.42193568	1		157.5504105		67.84958347
1		11.29758545	1		161.3698144		76.77018458
1		12.92579095	1		155.6407086		91.05928842

95.649994	95.649994	-19.779999	0		0.98	0.02	89.50486003	103.1447325
99.359985	99.359985	-15.779999	0		0.98	0.02	92.97649878	106.6741274
107.940002	107.940002	-14.779999	0		0.98	0.02	101.0052836	115.2089954
99.600006	99.600006	-22.779999	0		0.98	0.02	93.20109938	107.2301916
101.410004	101.410004	-17.779999	0		0.98	0.02	94.89481216	108.8144444
92.600006	92.600006	-20.779999	0		0.98	0.02	86.6508217	100.1398935
94.399994	94.399994	-14.779999	0		0.98	0.02	88.33516759	101.6689874
88.179993	88.179993	-22.779999	0		0.98	0.02	82.51477706	95.81017858
90.630005	90.630005	-17.779999	0		0.98	0.02	84.80738548	98.03444544
61.610001	61.610001	-22.779999	0		0.98	0.02	57.65180201	69.24018658
56.860001	56.860001	-15.779999	0		0.98	0.02	53.20697073	64.17414339
49.979996	49.979996	-20.779999	0		0.98	0.02	46.76897885	57.51988353
58.050003	58.050003	-17.779999	0		0.98	0.02	54.3205198	65.45444344
52.100006	52.100006	-21.779999	0		0.98	0.02	48.75278659	59.68504255
51.800003	51.800003	-16.779999	0		0.98	0.02	48.4720576	59.15929442
46.410004	46.410004	-19.779999	0		0.98	0.02	43.42834472	53.9047425
48.880005	48.880005	-15.779999	0		0.98	0.02	45.73965792	56.19414739
33.800003	33.800003	-22.779999	0		0.98	0.02	31.62848643	41.43018857
36.990005	36.990005	-22.779999	0		0.98	0.02	34.61354342	44.62019058
52.199997	52.199997	-20.779999	0		0.98	0.02	48.84635356	59.73988453
60.369995	60.369995	-19.779999	0		0.98	0.02	56.49146149	67.8647335
65.320007	65.320007	-14.779999	0		0.98	0.02	61.12345479	72.58900036
57.119995	57.119995	-19.779999	0		0.98	0.02	53.45026114	64.6147335
63.149994	63.149994	-14.779999	0		0.98	0.02	59.09285655	70.41898736
54.800003	54.800003	-19.779999	0		0.98	0.02	51.27931946	62.2947415
49.380005	49.380005	-19.779999	0		0.98	0.02	46.2075349	56.8747435
60.399994	60.399994	-18.779999	0		0.98	0.02	56.51953317	67.84958347
69.139999	69.139999	-22.779999	0		0.98	0.02	64.69802741	76.77018458
83.699997	83.699997	-16.779999	0		0.98	0.02	78.3226031	91.05928842

11/16/2023	239.490005	240.880005	230.960007	233.589996	233.589996	136816800	-0.03177431
11/17/2023	232	237.389999	226.539993	234.300003	234.300003	142532800	0.008754639
11/20/2023	234.039993	237.100006	231.020004	235.600006	235.600006	116320100	0.004263672
11/21/2023	235.039993	243.619995	233.339996	241.199997	241.199997	122288000	0.02934729
11/22/2023	242.039993	244.009995	231.399994	234.210007	234.210007	117950600	-0.0348508
11/24/2023	233.75	238.75	232.330002	235.449997	235.449997	65125200	0.013343726
11/27/2023	236.889999	238.330002	232.100006	236.080002	236.080002	112031800	-0.00088691
11/28/2023	236.679993	247	234.009995	246.720001	246.720001	148549900	0.051586954
11/29/2023	249.210007	252.75	242.759995	244.139999	244.139999	135401300	-0.01646647
11/30/2023	245.139999	245.220001	236.910004	240.080002	240.080002	132353200	-0.05019034
12/1/2023	233.139999	240.190002	231.899994	238.830002	238.830002	121173500	0.011132794
12/4/2023	235.75	239.369995	233.289993	235.580002	235.580002	104099800	-0.00800654
12/5/2023	233.869995	246.660004	233.699997	238.720001	238.720001	137971100	0.037966779
12/6/2023	242.919998	246.570007	239.169998	239.369995	239.369995	126436200	-0.00565566
12/7/2023	241.550003	244.080002	236.979996	242.639999	242.639999	107142300	-0.0053132
12/8/2023	240.270004	245.270004	239.270004	243.839996	243.839996	102980100	0.010227625
12/11/2023	242.740005	243.440002	237.449997	239.740005	239.740005	97913900	-0.01741199
12/12/2023	238.550003	238.990005	233.869995	237.009995	237.009995	95328300	-0.01844618
12/13/2023	234.190002	240.300003	228.199997	239.289993	239.289993	146286300	0.029576624
12/14/2023	241.220001	253.880005	240.789993	251.050003	251.050003	160829200	0.040579886
12/15/2023	251.210007	254.130005	248.300003	253.5	253.5	135720800	0.010178475
12/18/2023	253.779999	258.73999	251.360001	252.080002	252.080002	116416500	-0.00118284
12/19/2023	253.479996	258.339996	253.009995	257.220001	257.220001	106737400	0.011492833
12/20/2023	256.410004	259.839996	247	247.139999	247.139999	125097000	-0.01774558
12/21/2023	251.899994	254.800003	248.550003	254.5	254.5	109594200	0.019109676
12/22/2023	256.76001	258.220001	251.369995	252.539993	252.539993	93249800	-0.00888027
12/26/2023	254.490005	257.970001	252.910004	256.609985	256.609985	86892400	0.015053716
12/27/2023	258.350006	263.339996	257.519989	261.440002	261.440002	106494400	0.020345132
12/28/2023	263.660004	265.130005	252.710007	253.179993	253.179993	113619900	-0.03300476

163	0.366523895	0.046752244	0.033233845	0.954850973	12.43539954
166	0.365333007	0.046752244	0.033233845	0.954850973	12.39956594
161	0.36174181	0.046752244	0.033233845	0.954850973	12.29150753
163	0.378351318	0.046752244	0.033233845	0.954850973	12.79128441
161	0.407698608	0.046752244	0.033233845	0.954850973	13.67433873
161	0.366655833	0.046752244	0.033233845	0.954850973	12.43936953
162	0.343631915	0.046752244	0.033233845	0.954850973	11.74658426
168	0.391535173	0.046752244	0.033233845	0.954850973	13.18798409
160	0.40030213	0.046752244	0.033233845	0.954850973	13.45178014
167	0.426655657	0.046752244	0.033233845	0.954850973	14.24475268
160	0.351772699	0.046752244	0.033233845	0.954850973	11.9915389
164	0.356826448	0.046752244	0.033233845	0.954850973	12.14360521
165	0.361015183	0.046752244	0.033233845	0.954850973	12.26964346
163	0.368768183	0.046752244	0.033233845	0.954850973	12.50292975
168	0.375088715	0.046752244	0.033233845	0.954850973	12.69311333
166	0.369775519	0.046752244	0.033233845	0.954850973	12.53324029
166	0.410586567	0.046752244	0.033233845	0.954850973	13.76123688
161	0.34468023	0.046752244	0.033233845	0.954850973	11.77812785
169	0.338138948	0.046752244	0.033233845	0.954850973	11.58130194
167	0.37976391	0.046752244	0.033233845	0.954850973	12.83378906
165	0.426422843	0.046752244	0.033233845	0.954850973	14.23774736
164	0.436601318	0.046752244	0.033233845	0.954850973	14.54401573
164	0.399486472	0.046752244	0.033233845	0.954850973	13.42723713
170	0.434789953	0.046752244	0.033233845	0.954850973	14.4895121
166	0.393233722	0.046752244	0.033233845	0.954850973	13.23909311
170	0.424177856	0.046752244	0.033233845	0.954850973	14.17019614
168	0.409362847	0.046752244	0.033233845	0.954850973	13.72441537
169	0.430351299	0.046752244	0.033233845	0.954850973	14.35595384
168	0.462672621	0.046752244	0.033233845	0.954850973	15.32849622

1	12.40216569	1	158.5052615	82.3747435
1	12.3663321	1	153.7310066	83.65899236
1	12.25827369	1	155.6407086	81.45929742
1	12.75805057	1	153.7310066	89.88898836
1	13.64110489	1	153.7310066	90.27898836
1	12.40613568	1	154.6858576	84.06414239
1	11.71335041	1	160.4149634	77.91503855
1	13.15475024	1	152.7761557	94.22384434
1	13.4185463	1	159.4601125	93.28988753
1	14.21151884	1	152.7761557	92.44384534
1	11.95830506	1	156.5955596	83.59444244
1	12.11037137	1	157.5504105	81.81958447
1	12.23640962	1	155.6407086	91.01929542
1	12.4696959	1	160.4149634	86.15504355
1	12.65987949	1	158.5052615	85.5747405
1	12.50000645	1	158.5052615	86.7647425
1	13.72800303	1	153.7310066	89.70899536
1	11.74489401	1	161.3698144	77.62019058
1	11.5480681	1	159.4601125	80.83989053
1	12.80055521	1	157.5504105	96.32959447
1	14.20451351	1	156.5955596	97.53444544
1	14.51078188	1	156.5955596	102.1444304
1	13.39400329	1	162.3246654	96.01533061
1	14.45627825	1	158.5052615	101.3347345
1	13.20585927	1	162.3246654	92.47533761
1	14.13696229	1	160.4149634	97.80503755
1	13.69118153	1	161.3698144	96.60018658
1	14.32271999	1	160.4149634	102.9250326
1	15.29526237	1	158.5052615	106.6247435

74.880005	74.880005	-19.779999	0		0.98	0.02	70.06926071	82.3747435
76.389999	76.389999	-14.779999	0		0.98	0.02	71.48224357	83.65899236
74.100006	74.100006	-16.779999	0		0.98	0.02	69.33937356	81.45929742
82.619995	82.619995	-14.779999	0		0.98	0.02	77.31198695	89.88898836
83.009995	83.009995	-14.779999	0		0.98	0.02	77.676931	90.27898836
76.75	76.75	-15.779999	0		0.98	0.02	71.81911593	84.06414239
70.330002	70.330002	-21.779999	0		0.98	0.02	65.81157742	77.91503855
87	87	-13.779999	0		0.98	0.02	81.41059395	94.22384434
85.75	85.75	-20.779999	0		0.98	0.02	80.24090151	93.28988753
85.220001	85.220001	-13.779999	0		0.98	0.02	79.74495285	92.44384534
76.190002	76.190002	-17.779999	0		0.98	0.02	71.29509558	83.59444244
74.369995	74.369995	-18.779999	0		0.98	0.02	69.59201684	81.81958447
83.660004	83.660004	-16.779999	0		0.98	0.02	78.28517949	91.01929542
78.570007	78.570007	-21.779999	0		0.98	0.02	73.52219467	86.15504355
78.080002	78.080002	-19.779999	0		0.98	0.02	73.06367056	85.5747405
79.270004	79.270004	-19.779999	0		0.98	0.02	74.17721963	86.7647425
82.440002	82.440002	-14.779999	0		0.98	0.02	77.14355779	89.70899536
69.990005	69.990005	-22.779999	0		0.98	0.02	65.49342388	77.62019058
73.300003	73.300003	-20.779999	0		0.98	0.02	68.59076759	80.83989053
88.880005	88.880005	-18.779999	0		0.98	0.02	83.16981606	96.32959447
90.130005	90.130005	-17.779999	0		0.98	0.02	84.3395085	97.53444544
94.73999	94.73999	-17.779999	0		0.98	0.02	88.65332019	102.1444304
88.339996	88.339996	-23.779999	0		0.98	0.02	82.6645005	96.01533061
93.839996	93.839996	-19.779999	0		0.98	0.02	87.81114725	101.3347345
84.800003	84.800003	-23.779999	0		0.98	0.02	79.35193806	92.47533761
90.220001	90.220001	-21.779999	0		0.98	0.02	84.42372262	97.80503755
88.970001	88.970001	-22.779999	0		0.98	0.02	83.25403017	96.60018658
95.339996	95.339996	-21.779999	0		0.98	0.02	89.21477818	102.9250326
99.130005	99.130005	-19.779999	0		0.98	0.02	92.76129408	106.6247435

12/29/2023	255.100006	255.190002	247.429993	248.479996	248.479996	100615300		-0.01987477
1/2/2024	250.080002	251.25	244.410004	248.419998	248.419998	104654200		-0.02060432
1/3/2024	244.979996	245.679993	236.320007	238.449997	238.449997	121082600		-0.02366753
1/4/2024	239.25	242.699997	237.729996	237.929993	237.929993	102629300		-0.01003978
1/5/2024	236.860001	240.119995	234.899994	237.490005	237.490005	92379400		-0.00304441
1/8/2024	236.139999	241.25	235.300003	240.449997	240.449997	85166600		0.008307911
1/9/2024	238.110001	238.960007	232.039993	234.960007	234.960007	96705700		-0.01272177
1/10/2024	235.100006	235.5	231.289993	233.940002	233.940002	91628500		-0.01945645
1/11/2024	230.570007	230.929993	225.369995	227.220001	227.220001	105873600		-0.04656341
1/12/2024	220.080002	225.339996	217.149994	218.889999	218.889999	122889000		-0.02288806
1/16/2024	215.100006	223.490005	212.179993	219.910004	219.910004	115355000		-0.00111641
1/17/2024	214.860001	215.669998	212.009995	215.550003	215.550003	103164400		0.00935757
1/18/2024	216.880005	217.449997	208.740005	211.880005	211.880005	108595400		-0.03228429
1/19/2024	209.990005	213.190002	207.559998	212.190002	212.190002	102095800		0.01075198
1/22/2024	212.259995	217.800003	206.270004	208.800003	208.800003	117952500		-0.00453298
1/23/2024	211.300003	215.649994	207.75	209.139999	209.139999	106605900		0.002741161
1/24/2024	211.880005	212.729996	206.770004	207.830002	207.830002	123369900		-0.11057624
1/25/2024	189.699997	193	180.059998	182.630005	182.630005	198076800		-0.02238898
1/26/2024	185.5	186.779999	182.100006	183.25	183.25	107343200		0.00070059
1/29/2024	185.630005	191.479996	183.669998	190.929993	190.929993	125013100		0.050934974
1/30/2024	195.330002	196.360001	190.610001	191.589996	191.589996	109982300		-0.04358183
1/31/2024	187	193.970001	185.850006	187.289993	187.289993	103221400		0.00798939
2/1/2024	188.5	189.880005	184.279999	188.860001	188.860001	91843300		-0.01852603
2/2/2024	185.039993	188.690002	182	187.910004	187.910004	110505100		-0.0042242
2/5/2024	184.259995	184.679993	175.009995	181.059998	181.059998	134294400		-0.03901227
2/6/2024	177.210007	186.490005	177.110001	185.100006	185.100006	122676000		0.060063405
2/7/2024	188.179993	189.789993	182.679993	187.580002	187.580002	111535200		0.004348101
2/8/2024	189	191.619995	185.580002	189.559998	189.559998	83034000		0.00622394
2/9/2024	190.179993	194.119995	189.479996	193.570007	193.570007	84476300		0.010097175

166	0.454059313	0.046752244	0.033233845	0.954850973	15.06932345
162	0.385982438	0.046752244	0.033233845	0.954850973	13.02090335
170	0.395231084	0.046752244	0.033233845	0.954850973	13.29919335
165	0.402335215	0.046752244	0.033233845	0.954850973	13.51295528
160	0.392295438	0.046752244	0.033233845	0.954850973	13.21086032
160	0.340460866	0.046752244	0.033233845	0.954850973	11.65116801
168	0.385136421	0.046752244	0.033233845	0.954850973	12.99544686
162	0.330112266	0.046752244	0.033233845	0.954850973	11.33978063
169	0.352958199	0.046752244	0.033233845	0.954850973	12.02721036
162	0.300240925	0.046752244	0.033233845	0.954850973	10.44095772
163	0.259115276	0.046752244	0.033233845	0.954850973	9.203494849
166	0.234188221	0.046752244	0.033233845	0.954850973	8.453444559
170	0.249445513	0.046752244	0.033233845	0.954850973	8.912533555
169	0.253309734	0.046752244	0.033233845	0.954850973	9.028807198
163	0.27640755	0.046752244	0.033233845	0.954850973	9.723816047
161	0.24129115	0.046752244	0.033233845	0.954850973	8.667170345
166	0.244032312	0.046752244	0.033233845	0.954850973	8.749651366
166	0.139498387	0.046752244	0.033233845	0.954850973	5.604245678
165	0.10506107	0.046752244	0.033233845	0.954850973	4.568033415
167	0.093856757	0.046752244	0.033233845	0.954850973	4.23089781
169	0.187094111	0.046752244	0.033233845	0.954850973	7.036391849
162	0.107144637	0.046752244	0.033233845	0.954850973	4.63072757
168	0.163924192	0.046752244	0.033233845	0.954850973	6.339213435
160	0.139167615	0.046752244	0.033233845	0.954850973	5.594292808
161	0.116481349	0.046752244	0.033233845	0.954850973	4.911667416
164	0.047436795	0.046752244	0.033233845	0.954850973	2.834130061
169	0.101600477	0.046752244	0.033233845	0.954850973	4.463904858
170	0.1665732	0.046752244	0.033233845	0.954850973	6.418921581
160	0.17279714	0.046752244	0.033233845	0.954850973	6.606198746

1		15.0360896	1		154.6858576		100.5041444	
1		12.9876695	1		162.3246654		88.92533461	
1		13.2659595	1		157.5504105		88.12958247	
1		13.47972143	1		152.7761557		89.92384134	
1		13.17762648	1		152.7761557		87.34383934	
1		11.61793416	1		160.4149634		80.83503655	
1		12.96221302	1		154.6858576		84.27414939	
1		11.30654679	1		161.3698144		74.13018558	
1		11.99397652	1		154.6858576		76.24413539	
1		10.40772387	1		155.6407086		69.69928742	
1		9.170261004	1		158.5052615		64.9847435	
1		8.420210714	1		162.3246654		53.34533261	
1		8.87929971	1		161.3698144		56.08018258	
1		8.995573354	1		155.6407086		57.54929342	
1		9.690582202	1		153.7310066		64.06899636	
1		8.6339365	1		158.5052615		57.1447325	
1		8.716417521	1		158.5052615		54.2247345	
0.99999999		5.571011833	0.999999987		157.5504105		35.44958945	
0.999997538		4.53479957	0.999997117		159.4601125		27.31988646	
0.999988362		4.197663965	0.999986516		161.3698144		30.11012906	
1		7.003158005	1		154.6858576		41.67414339	
0.999998178		4.597493725	0.999997862		160.4149634		33.55502713	
1		6.30597959	1		152.7761557		37.10384934	
0.999999989		5.561058963	0.999999987		153.7310066		34.95899533	
0.999999548		4.878433571	0.999999465		156.5955596		28.08443378	
0.997702469		2.800896216	0.997451955		161.3698144		25.10290155	
0.999995976		4.430671013	0.999995303		162.3246654		27.46532634	
1		6.385687737	1		152.7761557		38.84383934	
1		6.572964901	1		152.7761557		41.34383934	

93.190002	93.190002	-15.779999	0		0.98	0.02	87.20291279	100.5041444
81.25	81.25	-23.779999	0		0.98	0.02	76.03000872	88.92533461
80.679993	80.679993	-18.779999	0		0.98	0.02	75.49662241	88.12958247
82.699997	82.699997	-13.779999	0		0.98	0.02	77.38684914	89.92384134
80.119995	80.119995	-13.779999	0		0.98	0.02	74.97260207	87.34383934
73.25	73.25	-21.779999	0		0.98	0.02	68.54397709	80.83503655
76.960007	76.960007	-15.779999	0		0.98	0.02	72.01563081	84.27414939
66.5	66.5	-22.779999	0		0.98	0.02	62.2276379	74.13018558
68.929993	68.929993	-15.779999	0		0.98	0.02	64.50151346	76.24413539
62.339996	62.339996	-16.779999	0		0.98	0.02	58.33489771	69.69928742
57.490005	57.490005	-19.779999	0		0.98	0.02	53.79649946	64.9847435
45.669998	45.669998	-23.779999	0		0.98	0.02	42.73588118	53.34533261
48.449997	48.449997	-22.779999	0		0.98	0.02	45.33727624	56.08018258
50.190002	50.190002	-16.779999	0		0.98	0.02	46.96549279	57.54929342
56.800003	56.800003	-14.779999	0		0.98	0.02	53.15082736	64.06899636
49.649994	49.649994	-19.779999	0		0.98	0.02	46.46017817	57.1447325
46.729996	46.729996	-19.779999	0		0.98	0.02	43.7277785	54.2247345
28	28	-18.779999	0		0.98	0.02	26.2011107	35.44958945
19.779999	19.779999	-20.779999	0		0.98	0.02	18.50921226	27.31988646
22.479996	22.479996	-22.779999	0		0.98	0.02	21.03574513	30.11012906
34.360001	34.360001	-15.779999	0		0.98	0.02	32.15250678	41.67414339
25.970001	25.970001	-21.779999	0		0.98	0.02	24.30153111	33.55502713
29.880005	29.880005	-13.779999	0		0.98	0.02	27.96033281	37.10384934
27.690002	27.690002	-14.779999	0		0.98	0.02	25.91102884	34.95899533
20.679993	20.679993	-17.779999	0		0.98	0.02	19.35138521	28.08443378
17.490005	17.490005	-22.779999	0		0.98	0.02	16.36634132	25.10290155
19.789993	19.789993	-23.779999	0		0.98	0.02	18.51856419	27.46532634
31.619995	31.619995	-13.779999	0		0.98	0.02	29.58853533	38.84383934
34.119995	34.119995	-13.779999	0		0.98	0.02	31.92792021	41.34383934

2/12/2024	192.110001	194.729996	187.279999	188.130005	188.130005	95498600		-0.04318669
2/13/2024	183.990005	187.259995	182.110001	184.020004	184.020004	86759500		0.007094714
2/14/2024	185.300003	188.889999	183.350006	188.710007	188.710007	81203000		0.020617089
2/15/2024	189.160004	200.880005	188.860001	200.449997	200.449997	120831800		0.065971434
2/16/2024	202.059998	203.169998	197.399994	199.949997	199.949997	111173600		-0.02978694
2/20/2024	196.130005	198.600006	189.130005	193.759995	193.759995	104545800		-0.01422399
2/21/2024	193.360001	199.440002	191.949997	194.770004	194.770004	103844000		0.003304417
2/22/2024	194	198.320007	191.360001	197.410004	197.410004	92739500		0.006729871
2/23/2024	195.309998	197.570007	191.5	191.970001	191.970001	78841900		-0.01558342
2/26/2024	192.289993	201.779999	192	199.399994	199.399994	111747100		0.059311406
2/27/2024	204.039993	205.600006	198.259995	199.729996	199.729996	108645400		-0.01790086
2/28/2024	200.419998	205.300003	198.440002	202.039993	202.039993	99806200		0.018586769
2/29/2024	204.179993	205.279999	198.449997	201.880005	201.880005	85907000		-0.01808791
3/1/2024	200.520004	204.520004	198.5	202.639999	202.639999	82099200		-0.00896691
3/4/2024	198.729996	199.75	186.720001	188.139999	188.139999	134334900		-0.08218774
3/5/2024	183.050003	184.589996	177.570007	180.740005	180.740005	119660800		-0.01685803
3/6/2024	179.990005	181.580002	173.699997	176.539993	176.539993	107920900		-0.03183651
3/7/2024	174.350006	180.039993	173.699997	178.649994	178.649994	102129000		0.040190846
3/8/2024	181.5	182.729996	174.699997	175.339996	175.339996	85315300		-0.03390157
3/11/2024	175.449997	182.869995	174.800003	177.770004	177.770004	85391500		0.013136518
3/12/2024	177.770004	179.429993	172.410004	177.539993	177.539993	87391700		-0.02691002
3/13/2024	173.050003	176.050003	169.149994	169.479996	169.479996	106524500		-0.03098657
3/14/2024	167.770004	171.169998	160.509995	162.5	162.5	126325700		-0.02786268
3/15/2024	163.160004	165.179993	160.759995	163.570007	163.570007	96971900		0.041184762
3/18/2024	170.020004	174.720001	165.899994	173.800003	173.800003	108214400		0.013669218
3/19/2024	172.360001	172.820007	167.419998	171.320007	171.320007	77271400		0.003706276
3/20/2024	173	176.25	170.820007	175.660004	175.660004	83846700		0.019405852
3/21/2024	176.389999	178.179993	171.800003	172.820007	172.820007	73178000		-0.05656164
3/22/2024	166.690002	171.199997	166.300003	170.830002	170.830002	75454700		0.012341746

160	0.13410415	0.046752244	0.033233845	0.954850973	5.44193413
168	0.13970762	0.046752244	0.033233845	0.954850973	5.610541459
160	0.122109722	0.046752244	0.033233845	0.954850973	5.081024075
164	0.161188874	0.046752244	0.033233845	0.954850973	6.256908251
161	0.214814472	0.046752244	0.033233845	0.954850973	7.870492192
163	0.172832256	0.046752244	0.033233845	0.954850973	6.607255386
165	0.140589762	0.046752244	0.033233845	0.954850973	5.63708494
168	0.161912685	0.046752244	0.033233845	0.954850973	6.278687592
165	0.168642556	0.046752244	0.033233845	0.954850973	6.481188102
165	0.129105898	0.046752244	0.033233845	0.954850973	5.291537671
169	0.20632823	0.046752244	0.033233845	0.954850973	7.615142805
166	0.194469681	0.046752244	0.033233845	0.954850973	7.258321327
165	0.243828108	0.046752244	0.033233845	0.954850973	8.743506916
160	0.194968538	0.046752244	0.033233845	0.954850973	7.273331859
165	0.186001626	0.046752244	0.033233845	0.954850973	7.003519174
165	0.097771568	0.046752244	0.033233845	0.954850973	4.348693701
166	0.117727506	0.046752244	0.033233845	0.954850973	4.949164059
160	0.073468472	0.046752244	0.033233845	0.954850973	3.617418238
162	0.083261841	0.046752244	0.033233845	0.954850973	3.912098827
167	0.061408611	0.046752244	0.033233845	0.954850973	3.254539331
165	0.099086237	0.046752244	0.033233845	0.954850973	4.388251864
161	0.035586775	0.046752244	0.033233845	0.954850973	2.477565252
167	-0.0073047	0.046752244	0.033233845	0.954850973	1.1869691
169	0.000981138	0.046752244	0.033233845	0.954850973	1.436288295
163	0.017922288	0.046752244	0.033233845	0.954850973	1.946044244
167	0.068180954	0.046752244	0.033233845	0.954850973	3.458317816
161	0.053425167	0.046752244	0.033233845	0.954850973	3.014319026
164	0.078947246	0.046752244	0.033233845	0.954850973	3.782273489
163	0.022385611	0.046752244	0.033233845	0.954850973	2.08034477

0.999999974		5.408700286	0.999999968		160.4149634		34.31503251	
0.99999999		5.577307614	0.999999988		152.7761557		34.48383931	
0.999999812		5.04779023	0.999999777		156.5955596		32.29443898	
1		6.223674406	1		153.7310066		47.14899836	
1		7.837258347	1		155.6407086		47.52928942	
1		6.574021541	1		157.5504105		41.04959547	
0.999999991		5.603851095	0.99999999		160.4149634		39.02503851	
1		6.245453747	1		157.5504105		40.76959647	
1		6.447954257	1		157.5504105		40.01959647	
0.999999939		5.258303826	0.999999927		161.3698144		40.41018407	
1		7.58190896	1		158.5052615		47.0947445	
1		7.225087482	1		157.5504105		47.74959247	
1		8.710273071	1		152.7761557		52.50384334	
1		7.240098014	1		157.5504105		46.96959347	
1		6.970285329	1		157.5504105		42.19958947	
0.999993152		4.315459856	0.999992036		158.5052615		26.08473278	
0.999999627		4.915930214	0.999999558		152.7761557		28.80384617	
0.999851222		3.584184393	0.999830933		154.6858576		25.35350158	
0.999954251		3.878864982	0.999947528		159.4601125		23.26989113	
0.999432118		3.221305487	0.99936196		157.5504105		25.31625937	
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0.882380095		1.153735255	0.875695637		161.3698144		9.726156691	
0.924539838		1.40305445	0.919699699		155.6407086		9.572771237	
0.974175287		1.9128104	0.972113835		159.4601125		15.19452568	
0.99972822		3.425083971	0.999692695		153.7310066		19.08927363	
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0.999922299		3.749039644	0.999911243		155.6407086		22.53925374	
0.981253039		2.047110926	0.979676403		155.6407086		15.5129879	

26.729996	26.729996	-21.779999	0		0.98	0.02	25.01269943	34.31503251
27.259995	27.259995	-13.779999	0		0.98	0.02	25.50864809	34.48383931
24.889999	24.889999	-17.779999	0		0.98	0.02	23.29091497	32.29443898
39.880005	39.880005	-14.779999	0		0.98	0.02	37.31787234	47.14899836
40.169998	40.169998	-16.779999	0		0.98	0.02	37.58923444	47.52928942
33.600006	33.600006	-18.779999	0		0.98	0.02	31.44133845	41.04959547
31.440002	31.440002	-21.779999	0		0.98	0.02	29.42010617	39.02503851
33.320007	33.320007	-18.779999	0		0.98	0.02	31.17932828	40.76959647
32.570007	32.570007	-18.779999	0		0.98	0.02	30.47751281	40.01959647
32.779999	32.779999	-22.779999	0		0.98	0.02	30.67401366	40.41018407
39.600006	39.600006	-19.779999	0		0.98	0.02	37.05586217	47.09474445
40.300003	40.300003	-18.779999	0		0.98	0.02	37.71088713	47.74959247
45.279999	45.279999	-13.779999	0		0.98	0.02	42.37093808	52.50384334
39.520004	39.520004	-18.779999	0		0.98	0.02	36.98099998	46.96959347
34.75	34.75	-18.779999	0		0.98	0.02	32.51744988	42.19958947
18.589996	18.589996	-19.779999	0		0.98	0.02	17.39566225	26.08473278
21.580002	21.580002	-13.779999	0		0.98	0.02	20.19357219	28.80384617
18.039993	18.039993	-15.779999	0		0.98	0.02	16.88099477	25.35350158
15.729996	15.729996	-20.779999	0		0.98	0.02	14.71940594	23.26989113
17.869995	17.869995	-18.779999	0		0.98	0.02	16.72191847	25.31625937
18.429993	18.429993	-14.779999	0		0.98	0.02	17.24593881	25.69898397
9.050003	9.050003	-20.779999	0		0.98	0.02	8.468576086	16.58252595
2.169998	2.169998	-22.779999	0		0.98	0.02	2.030584207	9.726156691
2.179993	2.179993	-16.779999	0		0.98	0.02	2.039937068	9.572771237
7.720001	7.720001	-20.779999	0		0.98	0.02	7.224021456	15.19452568
11.820007	11.820007	-14.779999	0		0.98	0.02	11.06061828	19.08927363
12.25	12.25	-17.779999	0		0.98	0.02	11.46298593	19.65236234
15.179993	15.179993	-16.779999	0		0.98	0.02	14.20473846	22.53925374
8.199997	8.199997	-16.779999	0		0.98	0.02	7.673179611	15.5129879

3/25/2024	168.759995	175.240005	168.729996	172.630005	172.630005	74228600		0.056559134
3/26/2024	178.580002	184.25	177.380005	177.669998	177.669998	113186200		0.015722994
3/27/2024	181.410004	181.910004	176	179.830002	179.830002	81804000		-0.02207082
3/28/2024	177.449997	179.570007	175.300003	175.789993	175.789993	77654800		-0.00723944
4/1/2024	176.169998	176.75	170.210007	175.220001	175.220001	81562100		-0.06702025
4/2/2024	164.75	167.690002	163.429993	166.630005	166.630005	116650600		-0.00444078
4/3/2024	164.020004	168.820007	163.279999	168.380005	168.380005	82950100		0.036221762
4/4/2024	170.070007	177.190002	168.009995	171.110001	171.110001	123162000		-0.00583817
4/5/2024	169.080002	170.860001	160.509995	164.899994	164.899994	141250700		0.001536517
4/8/2024	169.339996	174.5	167.789993	172.979996	172.979996	104423300		0.020862746
4/9/2024	172.910004	179.220001	171.919998	176.880005	176.880005	103232700		0.00075149
4/10/2024	173.039993	174.929993	170.009995	171.759995	171.759995	84532400		-0.00283567
4/11/2024	172.550003	175.880005	168.509995	174.600006	174.600006	94516000		-0.00121782
4/12/2024	172.339996	173.809998	170.360001	171.050003	171.050003	64506600		-0.01226001
4/15/2024	170.240005	170.690002	161.380005	161.479996	161.479996	100245300		-0.08262082
4/16/2024	156.740005	158.190002	153.75	157.110001	157.110001	97000000		0.005725532
4/17/2024	157.639999	158.330002	153.779999	155.449997	155.449997	82439700		-0.04137985
4/18/2024	151.25	152.199997	148.699997	149.929993	149.929993	96098800		-0.01518915
4/19/2024	148.970001	150.940002	146.220001	147.050003	147.050003	86005100		
	volatility	0.033233845						
	risk	0.001104488						
	r+ sigma^2 /2	0.046752244						
	e^-r	0.954850973						

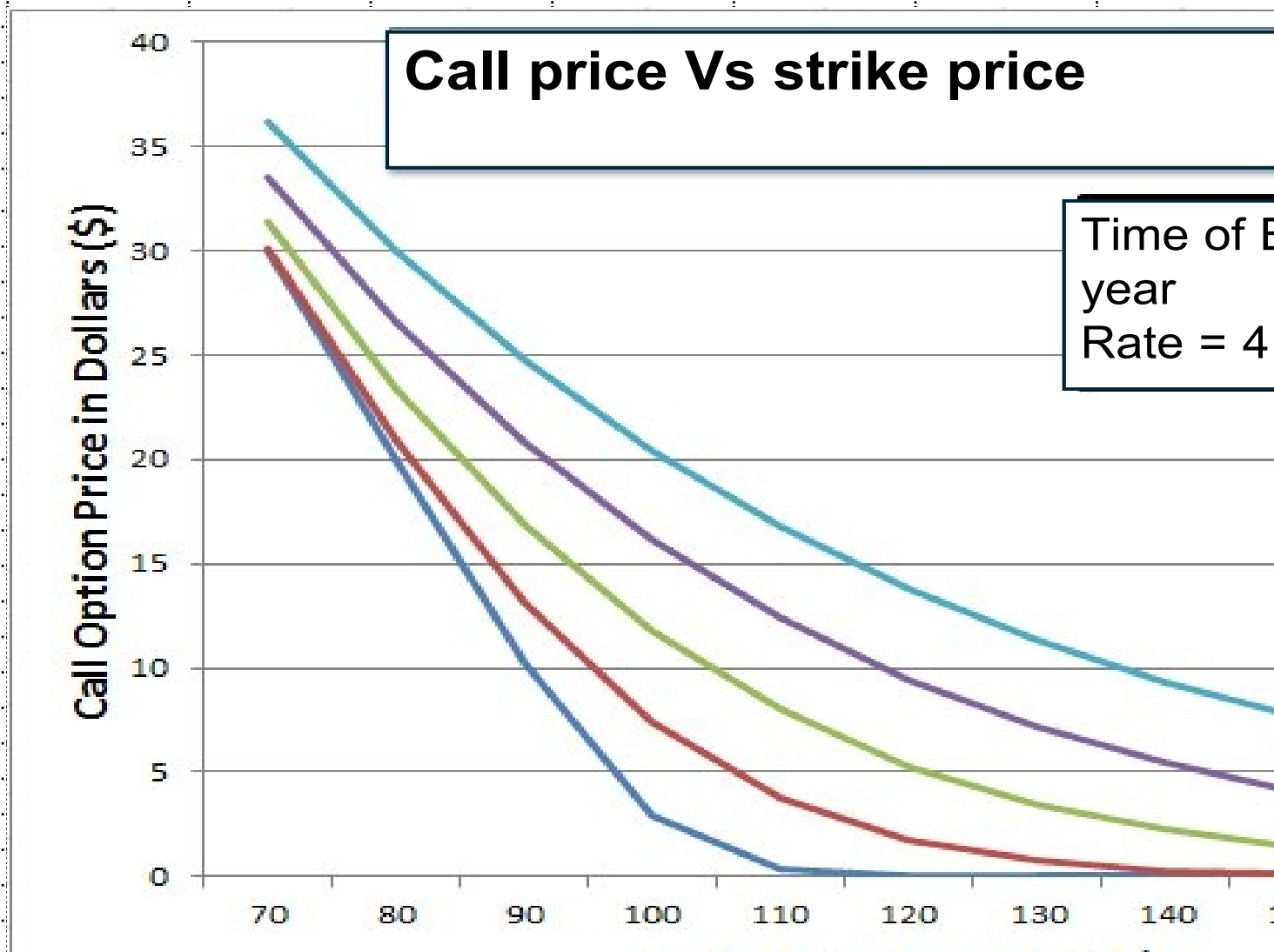
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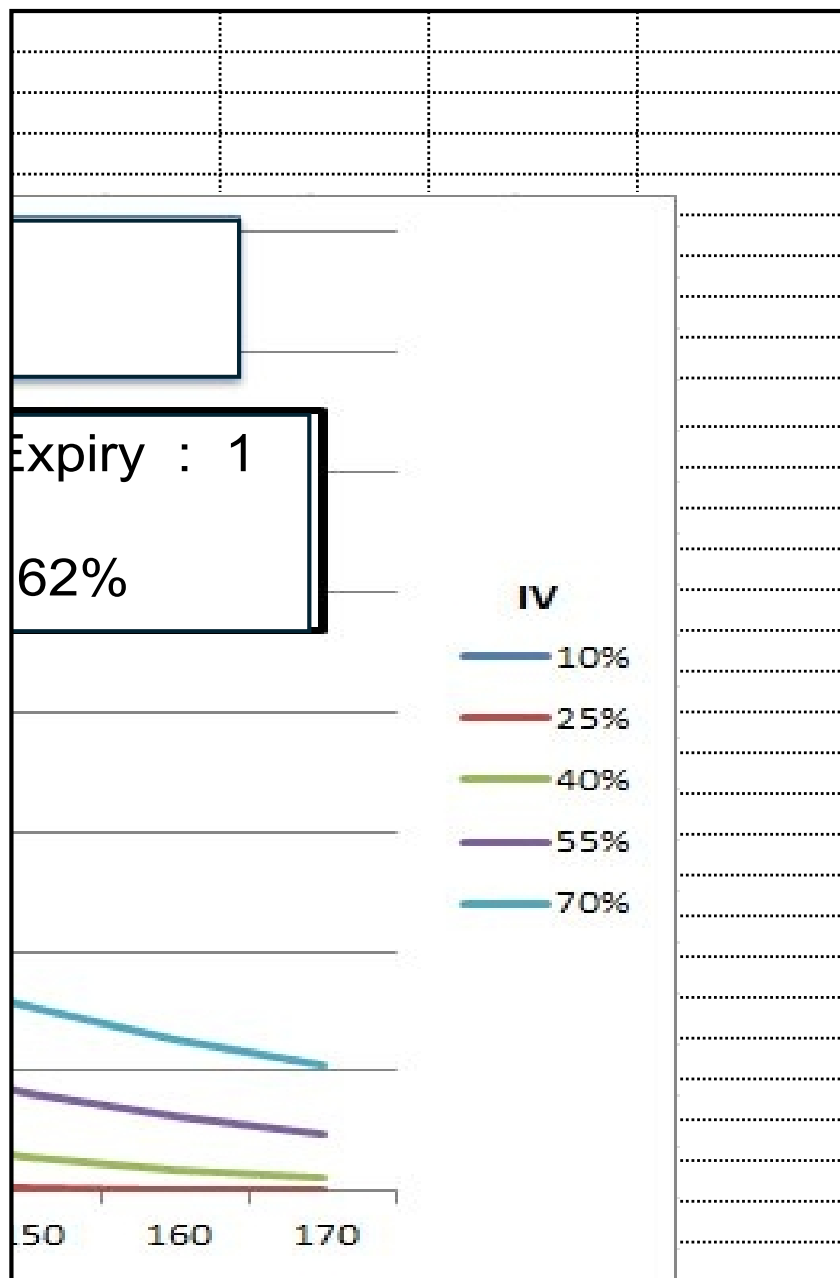
[illegible]

[illegible]

	p	0.98						
	q	0.02						

Graph





		Strike Price in Dollars (\$)						

