

Q1

For strategy 1, the stock opening at \$13 on first date of 2019 and it close at \$18.62 at the end of the year. So if I have \$100 to buy this stocks, I can buy 7. So when I sell it, I can get 139.34 back. Total benefit is \$39.34

Q2

For strategy2, here is the script

1.05	\$13 in 7	9
1.19	\$16.6 out 7	125.2
1.22	\$15.9 in 7	13.9
2.1	\$18.4 out 7	142.7
2.2	\$17.7 in 8	1.1
2.14	\$18.8 out 8	151.5
2.15	\$17.8 in 8	9.1
3.5	\$19.5 out 8	165.1
3.20	\$17.7 in 9	5.8
3.29	\$18.9 out 9	175.9
4.2	\$18.1 in 9	13
4.12	\$18.3 out 9	177.7
4.17	\$16.9 in 10	8.7
5.1	\$17.83 out 10	187
5.31	\$13.5 in 13	11.5
6.28	\$16.25 out 13	222.75
7.25	\$15.7 in 14	2.95
7.29	\$16.1 out 14	228.35
8.6	\$13.95 in 16	5.15
8.23	\$14.7 out 16	240.32
9.4	\$13.8 in 17	5.72
9.20	\$15.3 out 17	265.82
10.08	\$13.45 in 19	10.27
10.27	\$14.8 out 19	291.47
10.30	\$15.7 in 18	8.87
11.4	\$16.79 out 18	311.09
11.19	\$15.75 in 19	11.84
12.02	\$17.4 out 19	342.44
12.04	\$16.42 in 20	14.04
12.16	\$17.96 out 20	373.24
12.18	\$17.69 in 21	1.75
12.31	\$18.49 out 21	390.04

So strategy2 has bigger amount of benefit.