Optimal investment α_1^* for the shorter-term goal ($t = 0.8$, $\rho = 0.5$)

Wealth for the longer-term goal (x_2) \ Wealth for the shorter-term goal (x_1)	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0
10.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.4	0	13	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.0	0	4	4	4	4	4	4	4	4	4	4	4	4	8	8	4	4	4	4	4	4	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.8	0	4	4	4	4	4	4	4	4	4	4	4	8	8	8	8	8	4	4	4	4	8	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.6	0	4	4	4	4	4	4	4	4	4	4	4	8	8	8	8	8	8	8	8	8	8	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.4	0	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	8	8	8	8	8	8	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.2	0	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	8	8	8	8	8	8	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	11	11	11	11	11	11	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	8	11	11	11	11	11	11	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	11	11	11	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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5.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	11	7	7	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	7	10	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	7	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	7	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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4.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	7	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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3.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	11	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	10	0	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	11	10	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	10	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	6	6	9	6	9	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	6	10	10	6	6	6	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	11	10	10	10	10	10	6	6	6	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	10	11	11	10	10	10	10	6	6	6	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	11	11	11	10	10	10	6	6	6	1	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0
0.8	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	11	11	11	11	11	11	10	10	6	6	6	6	1	1	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0
0.6	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	11	11	11	11	11	11	11	11	7	10	6	6	6	6	6	1	1	5	5	5	5	5	5	5	5	5	5	0	0	0	0
0.4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	11	11	8	8	11	11	11	11	11	7	10	6	6	6	6	6	6	1	1	1	5	5	5	5	5	5	5	5	5	5	0	0	0
0.2	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	8	11	11	8	8	8	8	11	11	11	11	11	7	10	6	6	6	6	6	6	1	1	1	1	1	5	5	5	5	5	5	0	0	0
0.0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	8	11	11	8	8	8	8	8	8	11	11	11	11	7	10	6	6	6	6	6	6	6	1	1	1	1	1	1	1	5	5	0	0