

**b) It takes 3 years to reach  $\geq$  \$5000**

Interest	Annual_investment	Total	Year	current_quarter
0.04	1000	1040.00	0	1
0.04	1000	1081.60	0	2
0.04	1000	1124.86	0	3
0.04	1000	1169.86	0	4
0.04	1000	2256.65	1	1
0.04	1000	2346.92	1	2
0.04	1000	2440.80	1	3
0.04	1000	2538.43	1	4
0.04	1000	3679.96	2	1
0.04	1000	3827.16	2	2
0.04	1000	3980.25	2	3
0.04	1000	4139.46	2	4
0.04	1000	5345.04	3	1
0.04	1000	5558.84	3	2
0.04	1000	5781.19	3	3
0.04	1000	6012.44	3	4