

Self-improvement

If you improve by just 1% each day, how much better will you be after a year?

2 out of 10

$$\underline{2} + 0.01(2) = 2.02 \longrightarrow 2(1+0.01)$$

$$\underline{2.02} + 0.01(2.02) = 2.0402 \quad 2(1+0.01)^2$$

$$2(1+0.01)^3$$

$$A(1+r)^t$$

$$\text{After 1 year: } S = 2(1+0.01)^{365}$$

$$= 75.56.... !$$