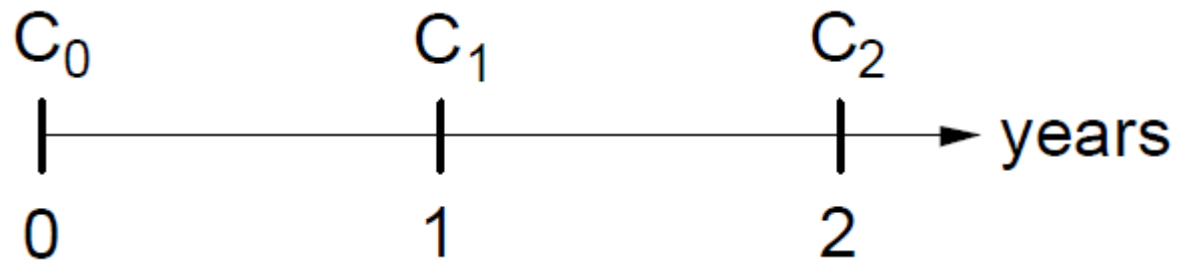


Compound interest

- interest compounded **once** per year

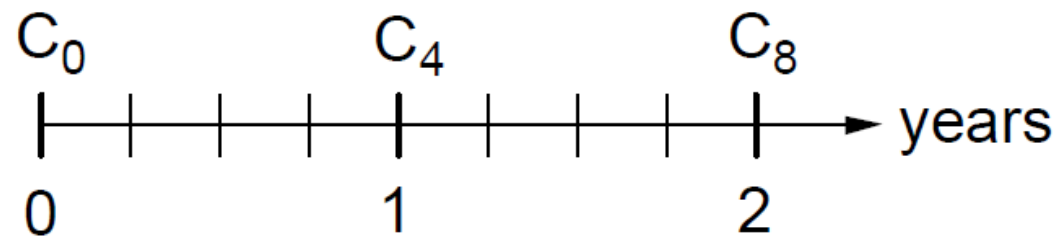


$$C_n = C_0 q^n = C_0 (1 + r_a)^n$$

Compound interest during the year

- interest compounded **m times** per year ($m > 1$)

example: $m = 4$ (interest compounded quarterly)



$$C_n = C_0 q^n = C_0 \left(1 + \frac{r_a}{4}\right)^n$$

generally: $C_n = C_0 q^n = C_0 \left(1 + \frac{r_a}{m}\right)^n$