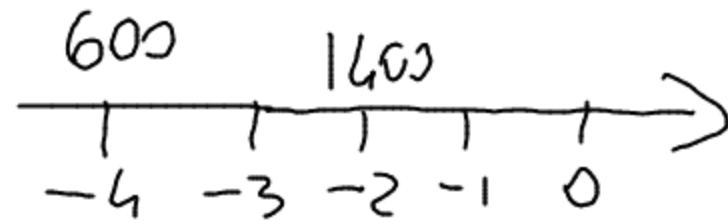


N. 8



$$600(1+i)^4 + 1400(1+i)^2 = 2200$$

$$600X^2 + 1400X - 2200 = 0$$

$$3X^2 + 7X - 11 = 0$$

$$X_{1,2} = \frac{-7 \pm \sqrt{181}}{6} = \begin{cases} 1,075604008 \\ < 0 \text{ non err.} \end{cases}$$

$$(1+i)^2 = X$$

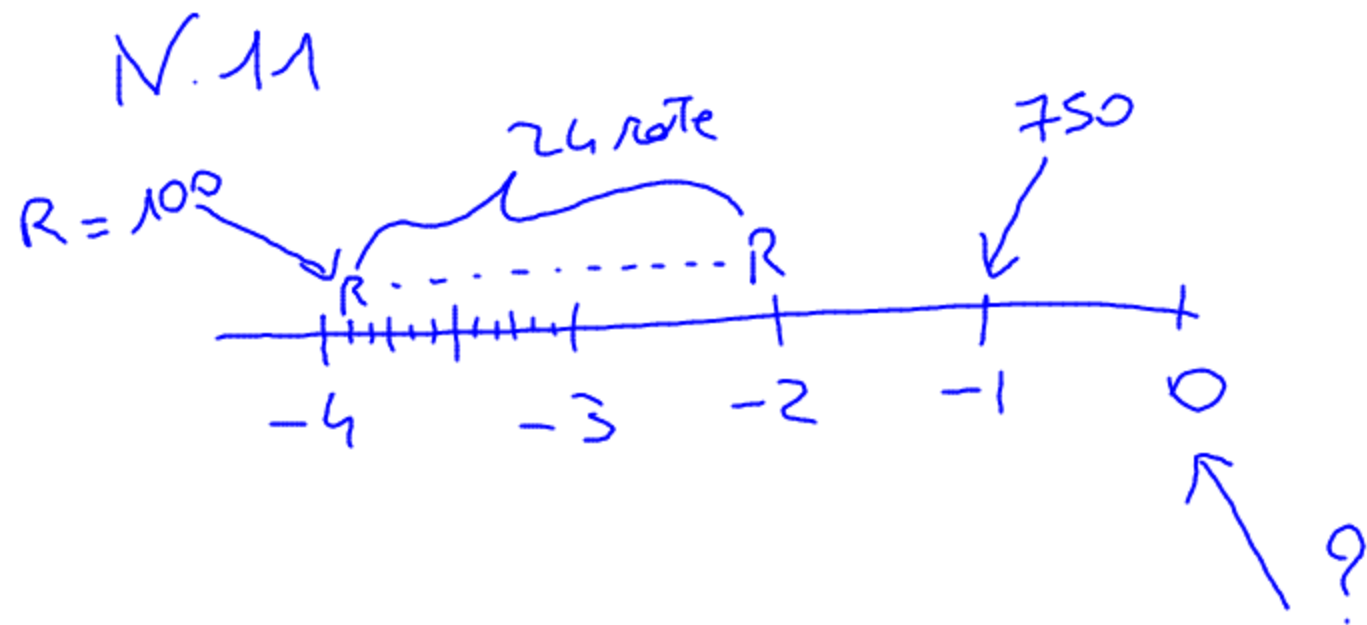
$$(1+i)^4 = X^2$$

$$X = 1,075604008$$

$$[(1+i)^2]^{\frac{1}{2}} = (1,075604008)^{\frac{1}{2}}$$

$$1+i = 1,037113305$$

$$i = 0,037113305 \Rightarrow 3,71133\%$$



$$i = 0,015$$

$$(1 + i_{12})^{12} = 1,015$$

$$i_{12} = 0,001241488$$

$$750(1,015) = 761,25$$

$$100 \frac{(1,001241488)^{24} - 1}{0,001241488} (1,015)^2 = 2508,16$$

$$C_0 = 761,25 + 2508,16 = 3269,41$$