

$$\frac{2 + \sqrt{9}}{2}$$

$$\frac{2 + 2\sqrt{2}}{2}$$

$$\boxed{1 + \sqrt{2} \approx 2,41}$$

$$U_0 = 1000$$

$$\begin{aligned} U_{0,5} &= 1000 \times \left(1 + \frac{5}{100} \div 2\right) \\ &= 1000 \times \left(1 + \frac{5}{100} \times \frac{1}{2}\right) \\ &= 1000 \times \left(1 + \frac{50}{200}\right) \\ &= 1025 \text{ €} \end{aligned}$$

$$\begin{aligned} U_1 &= U_{0,5} \times \left(1 + \frac{5}{100} \div \frac{1}{2}\right) \\ &= U_{0,5} \times \left(1 + \frac{5}{100} \times \frac{2}{1}\right) \\ &= U_{0,5} \times \left(1 + \frac{5}{100} \times \frac{1}{2}\right) \\ &= 1025 \times \left(1 + \frac{5}{200}\right) \\ &= 1050,625 \text{ €} \end{aligned}$$

$$\begin{aligned} U_{0,1T} &= 1000 \times \left(1 + \frac{5}{100} \div 4\right) \\ &= 1000 \times \left(1 + \frac{5}{100} \div \frac{1}{4}\right) \\ &= 1000 \times \left(1 + \frac{5}{100} \times \frac{4}{1}\right) \\ &= 1000 \times \left(1 + \frac{5}{100}\right) = 1012,5 \end{aligned}$$

$$\begin{aligned} U_{0,2T} &= U_{0,1T} \times \left(1 + \frac{5}{100}\right) \\ &= 1025,15 \text{ €} \end{aligned}$$

$$\begin{aligned} U_{0,3T} &= U_{0,2T} \times \left(1 + \frac{5}{100}\right) \\ &= 1025,15 \times \left(1 + \frac{5}{100}\right) \\ &= 1032,97 \text{ €} \end{aligned}$$

$$\begin{aligned} U_{0,4T} &= U_{0,3T} \times \left(1 + \frac{5}{100}\right) \\ &= 1050,94 \text{ €} \end{aligned}$$

$$= a \times b$$

$$\textcircled{r} \quad 1000 \times \left(1 + \frac{5}{100}\right) = 1050$$

100

$$\begin{aligned} q &= \left(\frac{b}{2}\right) \div \left(\frac{a}{1}\right) \\ &= \frac{b}{2} \times \frac{1}{a} \\ &= \frac{b}{2a} \end{aligned}$$

$$\frac{1000}{a} \times q = \frac{b}{1}$$

$$\begin{aligned} q &= 50 \div 1000 \\ q &= b \div a \end{aligned}$$

$$N_{\text{ur}} = a \left(1 + \frac{b}{2a} \right)^2$$

$$= \left(a + A \times \left(\frac{b}{2a} \right) \right)^2$$

$$= a + \frac{A}{1} \times \frac{b}{2a}$$

$$= \left(a + \frac{AB}{2a} \right) \times \left(a + \frac{aB}{2a} \right)$$

$$= (a \times a) + \left(a \times \frac{aB}{2a} \right) + \left(\frac{AB}{2a} \times a \right) + \frac{AB^2}{2a}$$

$$= a^2 + \frac{AB}{2a} + \frac{AB}{2a} + \frac{AB^2}{2a}$$

$$= a^2 + \frac{2AB}{2a} + \frac{AB^2}{2a} \quad \times$$

$$\Delta = b^2 - 4AC$$

$$= \frac{2AB^2}{2A} - 4 \times (a^2) \times \frac{AB^2}{2a}$$

$$\text{Zur} = \left(\frac{a + \frac{1}{2}b}{1} \right)^2 \div \frac{A}{1}$$

$$= (a^2 + (a \times 0,5b) + 0,5b^2) \div a$$

$$= a^2 + (a \times 0,5b) + (0,5b)^2 \div a$$

$$= \left(a^2 + ab + \frac{b^2}{4} \right) \div a$$

$$= \frac{a^2}{a} + \frac{ab}{a} + \frac{b^2}{4a}$$

$$= a + b + \frac{b^2}{4a}$$

$$(a+b)^2 = a^2 + 2ab + b^2$$