

$$\textcircled{1} \quad c = 0,055$$

$$n = 3$$

$$r = 0,05$$

$$P_0 = \frac{5,5}{1+0,05} \cdot \frac{\left(\frac{1}{1+0,05}\right)^3 - 1}{\frac{1}{1+0,05} - 1} + \frac{100}{(1+0,05)^3} =$$

$$= 14,9449 + 86,3838 = \underline{\underline{101,3617}}$$

$$\textcircled{2} \quad c = 0,05 \rightarrow 0,025$$

$$n = 7 \rightarrow 14$$

$$r = 0,03 \rightarrow 0,015$$

$$P_0 = \frac{2,5}{1+0,015} \cdot \frac{\left(\frac{1}{1+0,015}\right)^{14} - 1}{\frac{1}{1+0,015} - 1} + \frac{100}{(1+0,015)^{14}} =$$

$$= 31,3585 + 81,1849 = \underline{\underline{112,5434}}$$

$$\textcircled{3} \quad P_0 = \frac{100}{(1+0,045)^{15}} = \underline{\underline{51,6720}}$$

$$\textcircled{4} \quad \text{I.} \quad P_A = \frac{5}{1+0,04} + \frac{105}{(1+0,04)^2} = 101,8861$$

$$P_B = \frac{3}{1+0,04} + \frac{103}{(1+0,04)^2} = 98,1139$$

$$\rightarrow \Delta P = \underline{\underline{3,7722}}$$

$$\text{II.} \quad \Delta P = \frac{2}{1+0,04} + \frac{2}{(1+0,04)^2} = \underline{\underline{3,7722}}$$

$$\textcircled{10} \quad \frac{10}{1+0,08} + \frac{10}{(1+0,09)^2} + \frac{110}{(1+0,095)^3} = 101,458$$

$$\textcircled{11} \quad C = 905$$

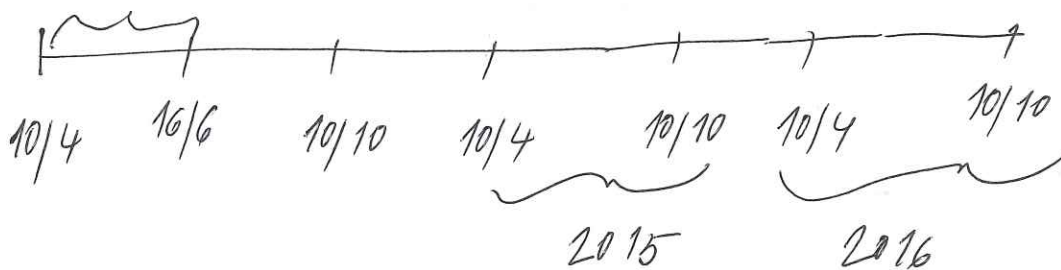
KUPON 10/4 a 10/10

МАМАРИТЯ 10/10/2016

УТМ - 0,04 \rightarrow 0,02

P K 16/6/2014

$$E = 20 + 30 + 16 = 66$$



$$P_0 = \frac{2,5}{1+0,02} \cdot \frac{\left(\frac{1}{1+0,02}\right)^5 - 1}{\frac{1}{1+0,02} - 1} + \frac{100}{(1+0,02)^5} =$$

$$= 11,4836 + 90,5431 = 102,3567$$

$$P_{\text{пр11}} = P_{66/180} = 102,3567 \cdot (1+0,02)^{\frac{66}{180}} = 103,1026$$

$$A1 = 2,5 \cdot \frac{66}{180} = 0,9167$$

$$P_{\text{CLEAN}} = 103,1026 - 0,9167 = 102,1860$$

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$$\textcircled{15} \left(1 + \frac{0,03897}{2} \right)^2 = \left(1 + \frac{YTM}{4 \cdot 3} \right)^{4 \cdot 3}$$

$$YTM = 0,03865 \rightarrow 3,865\%$$

$\textcircled{16}$ $FV = 100$
 $PV = 75$

$$r = \left[\sqrt[48]{\frac{100}{75}} - 1 \right] \times 12$$

$$FV = PV \cdot \left(1 + \frac{r}{12} \right)^{48}$$

$$r = 0,04212 \rightarrow 4,21\%$$