

حل سلسلة 04: تكافؤ الأوراق التجارية

تمرين 01:

$$V_1=100000 \quad j=90$$

$$V_2=3000 \quad j=70$$

$$V_3=9000 \quad t=6 \%$$

$$A_T=A_1+A_2$$

$$V_T=\left(\frac{36000-t*j}{36000}\right)=A_1+A_2$$

$$V_T=\left(\frac{36000-t*j}{36000}\right)=V_1\left(\frac{36000-t*j}{36000}\right)+V_2\left(\frac{36000-t*j}{36000}\right)$$

أولا حساب j

$$j_1=90 \quad j_2=70 \quad j_3=60$$

$$V_T=\left(\frac{36000-(6*60)}{36000}\right)=6000\left(\frac{36000-(6*90)}{36000}\right)+3000\left(\frac{36000-(6*70)}{36000}\right)$$

$$V_T(0.99)=5910+2965$$

$$0.99V_T=8904.64$$

$$V_T=8904.64$$

حساب القيمة الاسمية للسندين

$$j_1=80 \quad j_2=100 \quad j_3=90$$

$$V_3=\left(\frac{36000-t*j}{36000}\right)=V_1\left(\frac{36000-t*j}{36000}\right)+V_2\left(\frac{36000-t*j}{36000}\right)$$

$$V_3=(36000-(6*90))=V_1(36000-(6*80))+V_2(36000-(6*100))$$

$$9000(36000-(6*90))= V_1(35520)+ V_2(35400)$$

$$319140000=(9000- V_2)35520+35400V_2$$

$$-540000 = -120 V_2$$

$$V_2 = \frac{540000}{120} \quad V_2 = 4500$$

$$V_1 + V_2 = 9000 \quad V_1 = 4500$$

تمرین 02:

لدينا:

$$\frac{V_1}{2} = V_2 \text{ ومنه } V_1 = 2 V_2$$

$$\frac{V_1}{2} = 3V_3$$

و

$$vt\left(1 - \frac{140 \times 9}{36000}\right) = V_1\left(1 - \frac{120 \times 9}{36000}\right) + v_2\left(1 - \frac{150 \times 9}{36000}\right)$$

$$+ v_3\left(1 - \frac{300 \times 9}{36000}\right)$$

$$5008,374\left(1 - \frac{140 \times 9}{36000}\right) = V_1\left(1 - \frac{120 \times 9}{36000}\right) + \frac{V_1}{2}\left(1 - \frac{150 \times 9}{36000}\right)$$

$$+ \frac{V_1}{2}\left(1 - \frac{300 \times 9}{36000}\right)$$

$$173990912,76 = 34920 V_1 + 16650 V_2 + 17325 V_3$$

$$173990912,76 = 68895 V_1$$

$$V_1 = 2525,45$$

$$V_2 = 1262,72$$

$$V_3 = 1262,72$$

تمرین 03:

لدينا:

$$N_t=60, n_1=0, n_2=90$$

$$V_t=1650, V_1=?, V_2=?$$

$$Nt = \frac{\sum v_i n_i}{\sum v_i}$$

$$Nt = \frac{(v_1 \times 0) + (v_2 \times 90)}{1650} = 60$$

$$v_2 = \frac{1650 \times 60}{90}$$

$$v_2 = 1100$$

$$v_1 = 550$$