



$$A_{\Lambda} = \alpha + (\Lambda + i) \alpha + (\Lambda + i)^{2} \alpha + \dots + (\Lambda + i)^{M} \alpha$$

$$= \alpha \left[ \Lambda + (\Lambda + i) + (\Lambda + i)^{2} + \dots + (\Lambda + i)^{M} \right]$$

$$S = \frac{lq - \alpha}{q - \Lambda} = \frac{(\Lambda + i)^{M} (\Lambda + i) - \Lambda}{(\Lambda + i) - \Lambda}$$

$$A_{\Lambda} = \alpha \frac{(\Lambda + i)^{\Lambda 2} - \Lambda}{i} \qquad \longrightarrow \qquad \bigvee_{o} = (\Lambda + i)^{-\Lambda 3} A_{\Lambda} \iff \qquad \bigvee_{o} = (\Lambda + i)^{-\Lambda 3} \alpha \frac{(\Lambda + i)^{\Lambda 2} - \Lambda}{i} (eq \Lambda)$$

$$V_{o} = (1+i)^{-1/3} \alpha \frac{(1+i)^{1/2} - 1}{i} (eq.1)$$

$$= 1.06^{-1/3} \cdot 1.000 \cdot \frac{1.06^{1/2} - 1}{0.06}$$

$$= 79.032,87 \in$$

$$2 = b + (1 + i_s)b + (1 + i_s)^2b + \dots + (1 + i_s)^Mb$$

$$= b \left[ 1 + (1 + i_s) + \dots + (1 + i_s)^M \right]$$

$$5 = \frac{10 - \alpha}{9 - 1}$$

$$S = \frac{l_0 - \alpha}{q - 1}$$

$$A_2 = b \frac{(1 + i_s)^{n_2} - 1}{i_s} \longrightarrow V_0 = (1 + i_s)^{-n_1} A_2 \longrightarrow V_0 = (1 + i_s)^{-n_2} b \frac{(1 + i_s)^{n_2} - 1}{i_s} (eq. 2)$$

$$V_0 = (1 + i_s)^{-1/4} \int_0^1 \frac{(1 + i_s)^{1/2} - 1}{i_s} (eq. 2)$$

Maintenant il four trouver le taux d'équivalence :

$$1 + 0.06 = (1 + i_s)^2$$
  $i_s = \sqrt{1 + 0.06} - 1$ 

En combinant (eq.1) et (eq.2):

$$(\Lambda+i)^{-\Lambda_s^2} \alpha \frac{(\Lambda+i)^{\Lambda_s^2}-\Lambda}{i} = (\Lambda+i_s)^{-\Lambda_s} \frac{(\Lambda+i_s)^{\Lambda_s^2}-\Lambda}{i_s}$$

$$b = \frac{\alpha [(1+i)^{N2} - \lambda] (1+i_s)^{N} i_s}{(1+i)^{N3} i [(1+i_s)^{N2} - \lambda]}$$

$$= \alpha \frac{(1+i_s)^{M}}{(1+i)^{M3}} \frac{i_s}{i} \cdot \frac{(1+i)^{M2} - \lambda}{(1+i_s)^{M2} - \lambda}$$

$$= a$$

$$b = 5 + 52, 06 \in$$

$$b = \frac{\alpha [(1+i)^{N2} - n](1+is)^{Nn} is}{(1+i)^{N3} i [(1+is)^{N2} - n]}$$

$$= \alpha \frac{(1+is)^{N}}{(1+i)^{N2}} \frac{is}{t} \cdot \frac{(1+i)^{N2} - n}{(1+is)^{N2} - n}$$

$$= 79032,87 \cdot (1+is)^{N} \cdot \frac{is}{(1+is)^{N2} - n}$$

$$= 7637,56$$