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

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

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

$$A_{\Lambda} = \alpha \frac{(\Lambda + i)^{N_2} - \Lambda}{i} \qquad \longrightarrow \qquad \bigvee_{o} = (\Lambda + i)^{-\Lambda_3} A_{\Lambda} \iff \qquad \bigvee_{o} = (\Lambda + i)^{-\Lambda_3} \alpha \frac{(\Lambda + i)^{N_2} - \Lambda}{i} (eq \Lambda)$$

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

(2) 
$$A_{2} = b + (A + i_{s})b + (A + i_{s})^{2}b + \dots + (A + i_{s})^{M}b$$

$$= b \left[ A + (A + i_{s}) + \dots + (A + i_{s})^{M} \right]$$

$$S = \frac{A_{0} - \alpha}{a_{0} - A}$$

$$A_{2} = b \frac{(A + i_{s})^{A_{2}} - A}{i_{s}} \longrightarrow V_{0} = (A + i_{s})^{-M}A_{2} \Longrightarrow V_{0} = (A + i_{s})^{-M}b \frac{(A + i_{s})^{A_{2}} - A}{i_{s}} (eq.2)$$

$$A_2 = b \frac{(1+i_s)^{n_2}-1}{i_s} \qquad \qquad V_0 = (1+i_s)^{-M} A_2 \quad \Longrightarrow$$

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

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):

$$(1+i)^{-1/3} a \frac{(1+i)^{12}-1}{i} = (1+i)^{-1/3} b \frac{(1+i)^{12}-1}{i}$$

$$b = \frac{\alpha [(1+i)^{1/2} - \lambda] (1+i_s)^{1/2} i_s}{(1+i_s)^{1/2} i_s [(1+i_s)^{1/2} - \lambda]}$$

$$= \alpha \frac{(1+i_s)^{1/2}}{(1+i_s)^{1/2}} \cdot \frac{i_s}{i_s} \cdot \frac{(1+i_s)^{1/2} - \lambda}{(1+i_s)^{1/2} - \lambda}$$