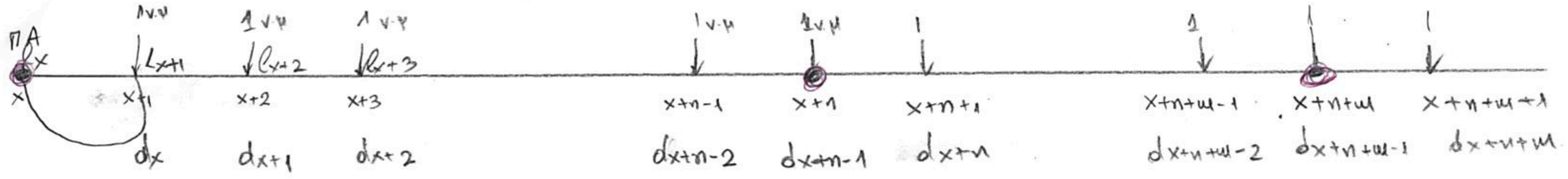

$$\underbrace{v^x A_x l_x}_{D_x} = v^x \left[v\, d_x + v^2 d_{x+1} + \dots + v^{n-1} d_{x+n-2} + v^n d_{x+n-1} + v^{n+1} d_{x+n} + \dots + v^{n+m} d_{x+n+m-1} + v^{n+m+1} d_{x+n+m} \right.$$

$C_x = v^{x+1} d_x$

$$= v^{x+1} d_x + v^{x+2} d_{x+1} + \dots + v^{x+n-1} d_{x+n-2} + v^{x+n} d_{x+n-1} + v^{x+n+1} d_{x+n} + \dots + v^{x+n+m} d_{x+n+m-1} + \dots$$

$$= C_x + C_{x+1} + \dots + C_{x+n-2} + C_{x+n-1} + C_{x+n} + \dots + C_{x+n+m-1} + C_{x+n+m} + \dots$$

$$D_x A_x = \sum_{t=0}^{\infty} C_{x+t} \Rightarrow \boxed{A_x} = \frac{1}{D_x} \sum_{t=0}^{\infty} C_{x+t} = \boxed{\frac{M_x}{D_x}}$$ ισόβια

Μέλλουσα $\boxed{{}_{n/}A_x} = \frac{1}{D_x}\left[C_{x+n} + C_{x+n+1} + \dots \right] = \frac{1}{D_x} \sum_{t=n}^{\infty} C_{x+t} = \frac{M_{x+n}}{D_x}$

πρόσκαιρη $\boxed{A^1_{x:\overline{n|}}} = \frac{1}{D_x}\left[C_x + C_{x+1} + \dots + C_{x+n-1} \right] = \frac{1}{D_x} \sum_{t=0}^{n-1} C_{x+t} = \frac{1}{D_x}\left[\sum_{t=0}^{\infty} C_{x+t} - \sum_{t=n}^{\infty} C_{x+t} \right]$

$= \frac{1}{D_x}\left(M_x - M_{x+n} \right)$

Μέλλουσα n – πρόσκαιρη m

$\boxed{{}_{n/m}A_x} = \frac{1}{D_x}\left[C_{x+n} + C_{x+n+1} + \dots + \right] = \frac{1}{D_x} \sum_{t=n}^{n+m-1} C_{x+t} = \frac{1}{D_x}\left[\sum_{t=n}^{\infty} C_{x+t} - \sum_{t=n+m}^{\infty} C_{x+t} \right] =$

$= \boxed{\frac{M_{x+n} - M_{x+n+m}}{D_x}}$