

Bilag 1.

Den til en given Ventetid  $x$  svarende Afdragstid  $y$  bestemmes ved Ligning (4)

$$A + ax + by = 100 + B + C.$$

$$\underline{x = 1}$$

$$15 + 0.9 + 1.8y = 100 + 4 + 4$$

$$y = \frac{92.9}{1.8} = 51$$

Den effektive Rente bestemmes da af Ligningen

$$15 \cdot 1.0175 + 1.125 \cdot (1 + a_0) + 2.25 \cdot a_{51} = 100$$

$$a_{51} = 37.161 \quad \circ: 1.295 \text{ pCt. pr. Termin.}$$

$$\underline{x = 5}$$

$$15 + 5 \cdot 0.9 + 1.8y = 100 + 4$$

$$y = \frac{84.5}{1.8} = 47$$

$$15 \cdot 1.0175^5 + 1.125 \cdot (1 + a_4) + 2.25 \cdot a_{47} = 100$$

$$a_{47} = 34.585 \quad \circ: 1.356 \text{ pCt. pr. Termin.}$$

$$\underline{x = 10}$$

$$15 + 10 \cdot 0.9 + 1.8y = 100 + 4$$

$$y = \frac{80}{1.8} = 44$$

$$15 \cdot 1.0175^{10} + 1.125 (1 + a_9) + 2.25 \cdot a_{44} = 100$$

$$a_{44} = 31.102 \quad \circ: 1.649 \text{ pCt. pr. Termin.}$$

$$\underline{x = 15}$$

$$15 + 15 \cdot 0.9 + 1.8y = 100 + 4$$

$$y = \frac{75.5}{1.8} = 42$$

$$15 \cdot 1.0175^{15} + 1.125 (1 + a_{14}) + 2.25 \cdot a_{42} = 100$$

$$a_{42} = 27.304 \quad \circ: 2.185 \text{ pCt. pr. Termin.}$$

$$\underline{x = 20}$$

$$15 + 20 \cdot 0.9 + 1.8y = 100 + 4$$

$$y = \frac{71}{1.8} = 39$$

$$15 \cdot 1.0175^{20} + 1.125 \cdot (1 + a_{19}) + 2.25 \cdot a_{39} = 100$$

$$a_{39} = 23.161 \quad \circ: 2.904 \text{ pCt. pr. Termin.}$$

$$\underline{x = 25}$$

$$15 + 25 \cdot 0.9 + 1.8y = 100 + 4$$

$$y = \frac{66.5}{1.8} = 37$$

$$15 \cdot 1.0175^{25} + 1.125 \cdot (1 + a_{24}) + 2.25 \cdot a_{37} = 100$$

$$a_{37} = 18.644 \quad \circ: 4.189 \text{ pCt. pr. Termin.}$$