

$$c) \quad \begin{array}{l} B_0 = 1100 \\ t = 7 \end{array}$$

$$k_0 = 2$$

$$y \approx 97 = \frac{t}{N - B_0} + \frac{0'680 + 0'4N}{t}$$

$$y = 100 + \frac{1000 - 1100}{t} + \frac{0'6 \cdot 1100 + 0'4 \cdot 1000}{t}$$

$$\underline{\underline{y = 0'0809 = 8'09\%}}$$

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$$\begin{array}{l} t = 100 \\ t = 70 \\ N = 1000 \\ B_0 = 940 \end{array}$$

$$k_0 = 2$$

$$y_1 = k_0 y_1 = 10\%$$

$$y_2 = k_0 y_2 = 11\%$$

$$\begin{array}{l} x_1 = B_0 y_1 = 100 \cdot 8'544 + 1000 \cdot 0'149 = 1000'4 \\ x = B_0 = 940 \\ x_2 = B_0 y_2 = 100 \cdot 8'963 + 1000 \cdot 0'124 = 920'3 \end{array}$$

$$y(k_0) = y_1 + \frac{y_2 - y_1}{(x - x_1)} (x_2 - x_1)$$

$$y(k_0) = 10 + \frac{920'3 - 1000'4}{940 - 1000'4} (1000'4 - 940) = 10'5\%$$

$$\underline{\underline{y(k_0) = 10'5\%}}$$