$$TN = (1 - 0.938) \cdot 35 = 2.17$$

$$S = \frac{x}{h}$$

$$\rho^{E}(t) = \frac{\sum_{i=1}^{N-c} (x_{i} - \overline{x}(i))(y_{i} - \overline{y}(i))}{\sqrt{\sum_{i=1}^{N-c} (x_{i} - \overline{x}(i))^{2} \sum_{j=1}^{N-c} (y_{j} - \overline{y}(i))^{2}}}$$

(B)
$$S(+) = \sum_{j=1}^{N-t} x_j$$
 & $C(x) = \sum_{j=1}^{N-t} x_j x_j + t$ $t = 0, ..., N-1$ $t = 0$ $t = 0$

$$S_{0} = \underbrace{S_{1}}_{J=1}^{N} X_{J}$$

$$S_{t+1} = S_{t} - X_{N-t}$$

$$S_{1} = S_{0} - X_{N-1}$$

$$S_{2} = S_{1} - X_{N-2}$$

(c)
$$S(6) = 142 + 3 = 6$$
 $S(7) = 1$

$$S(\Lambda) = S(0) - X_2 = 6 - 2 = 4$$

