

$$\text{الف) } t_n = n^r - c_n + r \rightarrow \min_{f_a} = \frac{-\Delta}{f_a} \cdot \frac{-(r^4 - 1)}{r} = -V$$

$$\text{ب) } t_n = n^r + t_{n+1} \rightarrow \min_{f_a} = \frac{-\Delta}{f_a} = \frac{-(14^r - r^r)}{r} = -r$$

$$t_n = -r^r, -V, -1, -V, -r^r, 1, \dots$$

$$r_a + b = -r^r \leftarrow -r^r \rightarrow -1 \rightarrow +1 \rightarrow +r \rightarrow +a \rightarrow +V$$

$$r_a = r \leftarrow +r \rightarrow +r \rightarrow +r \rightarrow +r \rightarrow +r$$

$$a = 1 \leftarrow -r \rightarrow -a$$

$$C = 1 \leftarrow -r \rightarrow a_n^r + b_n + C \rightarrow n^r - c_n + 1 \xrightarrow{t_n} 100 - c_0 + 1 = r^r$$

$$t_n = -r^r, -1, -1, -1, -1, \dots$$

$$r_a + b = a \leftarrow +a \rightarrow +a \rightarrow +a \rightarrow +a \rightarrow +a$$

$$\Rightarrow b = -1 \leftarrow +r \rightarrow +r \rightarrow +r \rightarrow +r \rightarrow +r$$

$$a = r$$

$$C = -V \leftarrow -r^r \rightarrow -1 \rightarrow -1 \rightarrow -1 \rightarrow -1 \rightarrow -1$$

$$a_n^r + b_n + C \rightarrow t_n = r n^r - n - V$$

$$a + f = r_a + 1$$

$$a = r$$

$$\Rightarrow a = r$$

$$\text{ا) } \frac{(99 - r^r) + 1}{r} = r^r$$

$$\text{ب) } \frac{(9a^9 - a) + 1}{a} = 19$$

$$\text{ج) } r^r a = 1a \quad \frac{(90 - 1a) + 1}{1a} = 9$$

$$\text{د) } r^r \frac{1}{a} = n(A \cup B) - n(A \cap B)$$

$$= (r^r + 19) - c = r^r c$$