

چون عبارت $\min$ دارد $\rightarrow V = 9 - 11 + 2 = 0$
پس کمترین مقدار را می‌است $\checkmark$

$$\therefore \frac{-b}{2a} = \frac{-r}{r} = -1 \rightarrow \left(\frac{-1}{+1}\right)^r + \left(\frac{-1}{+1}\right)^s + 1 = \cancel{1+1+1} \quad \checkmark \quad \text{y}$$

$$\begin{array}{ccccccc}
 & +Y & & +Y & & +Y & & +Y \\
 & \swarrow & & \swarrow & & \swarrow & & \swarrow \\
 -\omega & -\omega & & -1 & & +1 & & +\omega \\
 & \searrow & & \searrow & & \searrow & & \searrow \\
 \textcircled{1} & -V_g & -V_g & -V_g & -V_g & -V_g & -V_g & \dots
 \end{array}$$

$$\frac{\text{افضل وافضل}}{2} = 1$$

C=1

$$b = -4$$

$$f_1 = 1 + b + 1 = -5 \rightarrow b = -4$$

$$a_n = n^2 - 4n + 1 \rightarrow t_{10} = 100 - 40 + 1 = 61$$

Handwritten notes showing a sequence of operations and symbols:

$\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$
 $+1 + \omega + 9 + 13$
 $\ominus \Delta \phi - 1, \wedge, \phi, \psi$
 C
 t_1

$$A = \frac{K}{Y} = Y$$

$$C = -V$$

$$t_1 = \psi + b - V = -4 - 3 = -7$$

$$dn = P_n^Y - n - V$$

$$p_{a+1} \leq a+1 \rightarrow a \leq n$$

$$r_{a+1} \geq a_{+k} \left\{ \begin{array}{l} r_{a+1} > a_{+k} \leftarrow \text{استرال در رشته باشد} \\ r_{a+1} = a_{+k} \leftarrow \text{استرال یک عنصری رشته باشد} \end{array} \right.$$

(الف) $3, 4, 9, \dots \rightarrow a_n = 3 \cdot 3^n - 3 = 3^n - 3 \rightarrow 3^n \leq 100 \Rightarrow n \leq 3, 2, 1$

✓) $a_0, a_1, a_2, \dots \rightarrow a_n - a_{n-1} - a_{n-2} = a_n - a_{n-1} \leq 1$ $\forall n \in \mathbb{N}$ ✓

ج) $10, 20, 30 \rightarrow a_1 = 10, a_n = 10$ $\rightarrow a_n \leq 100 \rightarrow n \leq 10$

2) $23.40 - 4 = 19.40$ ✓