

۲۵ عالی نوشت

$$t_n = 5, 9, 13, 17, \dots$$

(الف) t_{n+1} (۲)

(ب) $4 \times 10 + 1 = 41$

$$t_n = 9, 14, 19, 24, \dots$$

$$t_n = 5n + 4 \Rightarrow t_{10} = 5 \times 10 + 4 = 54$$

$$S_{10} = \frac{10}{2} (54 + 9) = 340$$

(ب) $t_{29}, t_{30}, t_{31}, t_{32} \rightarrow t_n = 5n + 4$
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $118 \quad 122 \quad 127 \quad 132$

$$118 + 122 + 127 + 132 = 499$$

$$a_n = 1 + \sqrt{3}, 2, 3 - \sqrt{3}, \dots \Rightarrow a_n = (1 - \sqrt{3})n + 2\sqrt{3}$$

$$\Rightarrow a_{25} - a_{23} = ((1 - \sqrt{3}) \times 25 + 2\sqrt{3}) - ((1 - \sqrt{3}) \times 23 + 2\sqrt{3}) = 2 - 2\sqrt{3}$$

$$a_n = 5^{2n}, 3 \times 25^n, 5^y \Rightarrow a_n = 5^{2n}, 3 \times 5^{2n}, 5^y \Rightarrow 3 \times 5^{2n} + 2 \times 5^{2n} = 5^y$$

$$b_n = n, 2, y \Rightarrow \frac{n+y}{2} = 2 \Rightarrow n+y = 4$$

$$\left. \begin{array}{l} n+y=4 \\ y-2n=1 \end{array} \right\} \Rightarrow 3n = 3 \Rightarrow n = 1 \Rightarrow y = 3 \Rightarrow ny = 1 \times 3 = 3$$

$$2n-4 \quad 2n-1 \quad 2n \quad ?$$

$$\rightarrow \frac{2n-4+2n}{2} = 2n-1 \Rightarrow 2n-4 = 2n-2$$

$$\Rightarrow 4n = 2 \Rightarrow n = \frac{1}{2}$$

$$(1) \quad (2) \quad (3) \Rightarrow a_4 = 3 + 3 = 6$$

②

4

۷ جمله مشترک وجود دارد

Y

γ

$$= \frac{V}{-Y_1} = -\frac{1}{\mu}$$

②

1

$$\Rightarrow 1.0 + \Delta d = r_0 \Rightarrow d = r_0$$

④

1

1

$$\frac{1921}{1721} = 1.116$$

4

1.

4 = تعداد واسطه