

آکریسیا ابقا صال

(ب) $\frac{3}{5}, \frac{5}{9}, \frac{7}{11}, \frac{9}{13}, \frac{11}{15}$

(الف) 1 $2, 11, 26, 47, 74$

(ب) $t_{13} = 2(13) - \left[\frac{3 \times 13}{3} \right] = 23$

(الف) 2 $t_n = \frac{(-1)^n}{\sqrt{14n+3}} = \frac{-1}{\sqrt{155}}$

(ب) $(n-10)(n-4) \frac{4}{+p-p+} \frac{10}{+p-p+}$ (الف) 3 $t_n = 2n - 10$ $\frac{5}{-p+}$

5, 6, 7, 8, 9 (ب) 65

(الف) 64

1, 2, 3, 4

(ب) $(n-3)(n-9) \frac{3}{+p-p+} \frac{9}{+p-p+}$ (الف) 4 $t_n = 2n - 16$ $\frac{1}{-p+}$

3, 4, 5, 6, 7, 8, 9

(ب) 67

2, 3, 4, 5, 6, 7, 8

(الف) 61

1, 2, 3, 4, 5, 6, 7, 8, 9 $t_n = 4$

(الف) 5 $d = \frac{t_9 - t_4}{9 - 4} = \frac{15}{5} = 3$

$t_n = n^2 + 4n + 1$

(ب) $\begin{pmatrix} 6 \\ 1 \end{pmatrix} \begin{pmatrix} 10 \\ 2 \end{pmatrix}$

نقشہ بنانا

(الف) 6 $\frac{-b}{2a} = \frac{-4}{2} = -2$

$t_n = n^2 - 6n + 7$

(الف) 7 $\begin{pmatrix} -6 \\ 7 \end{pmatrix} \begin{pmatrix} -5 \\ 14 \end{pmatrix}$

نقشہ بنانا

$X_5 = \frac{-b}{2a} = \frac{6}{2} = 3$

$-4, -1, 1, 4, 7, \dots$
 $-3, -1, +1, +3$
 $+2, +2, +2$

$2a = 2$
 $a = 1$
 $an^2 + bn + c$
 $1 \quad 0 \quad -3$

$t_n = n^2 - 11n + 10$

$-b - c = +3$
 $+ 2b + c = -11$

$t_{10} = 10^2 - 11(10) + 10 = 10$

$b = -11$
 $c = +10$

$= (10)^2 - 110 + 10 = 10$

$$-9, -1, 1, 13, \dots$$

$\begin{array}{ccc} \delta & 9 & 13 \\ \downarrow & \downarrow & \downarrow \\ r & r & r \end{array}$

$$ra = r$$

$$a = r$$

$$an^r + bn + c$$

$\downarrow$
 r

$$-b - c = +1$$

$$+ ra + c = -9$$

$$\boxed{b = -1}$$

$$\boxed{c = -r}$$

$$t_n = rn^r - n - r$$

$$ra + 1 \geq a + r$$

$$ra - a \geq r - 1$$

$$\boxed{a \geq r}$$

$$\left\lfloor \frac{100}{r} \right\rfloor = 33$$

$$\left\lfloor \frac{100}{\delta} \right\rfloor = 20$$

$$\left\lfloor \frac{100}{18} \right\rfloor = 5$$

$$r \delta = 18$$

$$n(A \cup B) = n(A) + n(B) - n(A \cap B) =$$

$$= (33 + 20) - 5 = 48$$

(1)

(9)

(10)

الف

ب

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