

$$\begin{aligned} t_0 &= r_0^r - 1 \\ t_1 &= r(1)^r - 1 = r \\ t_r &= r(r)^r - 1 = 11 \\ t_r &= r(r)^r - 1 = r^r \\ t_f &= r(f)^r - 1 = r^f \\ t_\omega &= r(\omega)^r - 1 = V^f \end{aligned}$$

$$\begin{aligned} f_n &= \frac{r_n r_1}{r_n + r^e} \\ t_1 &= \frac{r(1) + 1}{1 + r} = \frac{r}{\omega} \\ t_2 &= \frac{r(2) + 1}{r + r^e} = \frac{\omega}{\phi} \\ t_3 &= \frac{r(3) + 1}{r + r^e} = \frac{\psi}{\sqrt{}} = 1 \end{aligned}$$

$$f_F = \frac{r(f) + 1}{f + f} = \frac{9}{1}$$

$$x_7 = \frac{(-1)^7}{\sqrt{13+12}}$$

$$x_{12} = \frac{(-1)^{12}}{\sqrt{13+12}} = \frac{1}{\sqrt{14}} = \frac{1}{r}$$

$$t_n = r_n - \left[\frac{n}{r} \right]$$

$$t_n = r_n - 1 \rightarrow r_n - 1 > 0$$

$$n > 1$$

$$R = (-\infty, \omega)$$

$$\begin{array}{c} 1 \\ \hline - \quad 0 \quad + \end{array}$$

$$1, 5, 7, 8$$

$$0 < x < \omega$$

$$x \in \mathbb{N}$$

$$n^r - 1 \leq n + \epsilon_0 \rightarrow (n-1)(n-t) > 0$$

~~Handwritten scribbles~~

$f < x < b$

$x \in N$

Sign chart:

x	f	10
$+$	0	$-$
$-$	0	$+$

$$\begin{aligned} t_n &= r_n - 17 \\ r_n - 17 &\leq 0 \\ r_n &\leq 17 \\ n &\leq 17 \end{aligned}$$

$$\begin{array}{l} r_n \leq 1 \\ n \leq N \\ 0 \leq x \leq 1 \\ x \in \mathbb{N} \end{array}$$

$$\phi n = n^r - 1r_n + rV$$

$$(n-r)(n-q) \leq 0$$

$\begin{array}{c} \text{r} \quad \text{q} \\ \hline + \quad 0 \quad - \quad 0 \quad + \end{array}$

$$\begin{aligned} & \tau_f = V \\ & \tau_g = 25 \end{aligned} \quad | \Delta$$

$$d = \frac{1\omega}{\omega} = r$$

$$+ r = r_n - d$$

$$\cancel{d} + r = r(r) - d = r$$

(ب) $f(n) + f(n+1)$ $f_1 = 2$ $f_2 =$ کو چک کریں دیکھنا	(الف) $t_n = n^2 - 4n + 2$ $t_1 = -2$ $t_2 = 0$ $t_3 = -1$ کو چک کریں محدود بنانا $t_4 = -4$ $t_5 = -5$ $t_6 = 2$	6
$\begin{array}{ccccccc} -4 & -1 & -1 & -1 & -1 & -1 & -1 \\ \hline -4 & -1 & -1 & -1 & -1 & -1 & -1 \end{array}$	$d_{10} = 1$	7
$\begin{array}{ccccccc} -4 & -1 & -1 & -1 & -1 & -1 & -1 \\ \hline -4 & -1 & -1 & -1 & -1 & -1 & -1 \end{array}$ $a = \frac{d}{r} \quad a = 2$ $c = -4$	جملہ عمومی $2x^2 - 3x - 4$ $ax^2 + bx + c$ $2x^2 + bx - 4$ $2 + b - 4 = -4$ $b = -2$	8
$a + 4 < 2a + 1$ $a + 4 = 2a + 1$ $a = 3$ $a + 4 < 2a + 1$ $3 < a$ $a = 3 \cup 3 < a \rightarrow 3 \leq a$	مناہی بائیں: $a + 4 = 2a + 1$	9
اعداد - عدد آخر = تعداد اعداد $\frac{90-15}{15} + 1 = 5$ 15 = 5 و 30 و 45 و 60 و 75 و 90 اولین مضرب 15 = 15 آخرین مضرب 15 = 90 $n(A) + n(B) - n(A \cap B)$ $20 + 20 - 4 = 36$	100 - 1 = 99 اولین مضرب 3 = 3 آخرین مضرب 3 = 99 $\frac{99-3}{3} + 1 = 33$ اولین مضرب 5 = 5 آخرین مضرب 5 = 100 $\frac{100-5}{5} + 1 = 20$	10