

نام و نام خانوادگی کلاس پاسنامه تشریحی تکلیف شماره ۱۵

الف) $\frac{3(1)^2-1}{2}, \frac{3(2)^2-1}{2}, \frac{3(3)^2-1}{2}, \frac{3(4)^2-1}{2}, \frac{3(5)^2-1}{2}$ ۲ و ۱۱ و ۲۴ و ۴۷ و ۷۴ ب) $\frac{P(1)+1}{(1+1)}, \frac{P(2)+1}{(2+1)}, \frac{P(3)+1}{(3+1)}, \frac{P(4)+1}{(4+1)}, \frac{P(5)+1}{(5+1)}$ $\frac{3}{2}, \frac{5}{3}, \frac{7}{4}, \frac{9}{5}, \frac{11}{6}$	۱
الف) $\frac{(3)^{11}}{\sqrt{13+13}} \Rightarrow \frac{-1}{\sqrt{14}} = -\frac{1}{\sqrt{14}}$ ب) $P(13) = \left[\frac{13}{3} \right] \Rightarrow 24-3=21$	۲
الف) $2n-10 < 0 \rightarrow 2n < 10 \rightarrow n < 5 \rightarrow \frac{1,2,3,4}{5}$ ب) $(n-4)(n-10) \rightarrow \frac{+10-4}{+10-4} \rightarrow (5,10) \rightarrow \frac{5,6,7,8,9}{5}$	۳
الف) $2n-19 < 0 \quad 2n < 19 \rightarrow n < 9.5 \rightarrow \frac{1,2,3,4,5,6,7,8}{10}$ ب) $(n-4)(n-9) \rightarrow \frac{+9-4}{+9-4} \rightarrow [4,9] \rightarrow 4,5,6,7,8,9$	۴
$t_4 = v$ $t_9 = 22 \rightarrow t_9 = \frac{v}{d} + d \rightarrow 22 = \frac{v}{d} + d \quad 10 = 2d \rightarrow d = 5$ $t_4 = t_9 - d \rightarrow v = 22 - 5 \rightarrow 17$	۵

$$\begin{aligned} \text{(ii)} & \quad \frac{-Q}{P_0} \rightarrow \frac{-\cancel{Q}}{\cancel{P_0}} \rightarrow \frac{Q - P_0}{Q - P_0 + T} \left[\min \right] \\ & \quad T_{12} = 2 \cdot 2 \rightarrow 9 - 16 + T \end{aligned}$$

ج) $\frac{b}{p^2} - \frac{c}{p} - 1$ (مطلوب)

$\frac{-t_0 - \sqrt{9} - \sqrt{9} - t}{-t}$

$\frac{-1}{+1} \frac{1}{1} \frac{1}{1} \frac{1}{1}$

$a = 1$

$b \rightarrow -t = \frac{d^2 u_c}{dt^2} |_{t=1+b} = 7$

$(\frac{1}{10}, -y_0 + 1) \rightarrow d$

$n \rightarrow y_{n+1} \rightarrow \frac{1}{10} - y_{10}$

$(-\infty, -x_0)$

v

[illegible]

$$\frac{d}{dx} = \frac{d}{dt} \cdot \frac{dt}{dx} = \frac{d}{dt} \cdot \frac{1}{v} = \frac{1}{v} \frac{d}{dt}$$

$$\frac{v_{n+1} = a_{n+1}}{a = r} \quad \text{Induktionsschritt}$$

$$\sqrt{29+28} \in \mathcal{C}(\mathcal{P}_9+28)$$

$$\frac{99-1^2}{2} = 49 \quad \leftarrow \frac{1+2+\dots+99}{2} \quad \text{②} \quad \frac{1}{2} \quad \text{③} \quad \frac{1}{2} \quad \text{④}$$

$$\frac{400 - 10}{3} = 130$$

13/09/2023

[illegible]

$\left\{ \begin{matrix} 10 \\ 20 \\ 30 \\ 40 \end{matrix} \right\} \rightarrow 10-40$