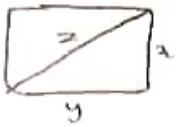


ناودنا و خانوادگ: علی ربانی

$$\Rightarrow x = 1 - 2\sqrt{5} - 4 = 2\sqrt{5} - 3$$

$$\frac{S_{(P)}}{S_{(I)}} = \frac{(r \cdot \sqrt{\Delta}) \cdot \frac{1}{\Delta}}{\Delta + r} = \frac{r \cdot \sqrt{\Delta}}{\Delta}$$

② -1



$$\frac{x^2 + y^2}{y^2} = \frac{x + \sqrt{0}}{x}$$

$$(1 + \sqrt{5})y' = x_2'$$

$$\frac{y^2}{z^2} = \frac{r}{1 + \sqrt{2}}$$

$$\sqrt{a^2 + b^2} = \sqrt{a^2 + \frac{b^2}{1}}$$

$$\overbrace{Va^2 - 14a + 8} = 0$$

$$\frac{54}{12} = 3 \quad \frac{5}{V} + \frac{1}{V} = 2 \quad (\checkmark)$$

$$x^2 - 14x + 49 = 0$$

$$(n-2)(n-1)^2 = 0$$

$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$ ✓

$$\frac{2.1}{0.1} = \frac{2.1}{\frac{1}{10}} = \frac{2.1 \times 10}{1} = 21 = \boxed{21 \Delta}$$

$$\frac{\sqrt{2-1}}{\sqrt{2-1} + 2} - \frac{\sqrt{2+1}}{2 - \sqrt{2-1}} = \frac{2-1}{\sqrt{2-1}} = 1$$

$$x_1 = t$$

م. ر. ع. م. ب. د. ا. ر. د. (1, 7, 8)

$$\frac{\frac{\sqrt{t+1}}{\sqrt{t+2}}}{\frac{\sqrt{t+1}}{2-\sqrt{t}}} = \frac{t}{\sqrt{t}} = \sqrt{t}$$

$$\frac{\sqrt{t+1}(\sqrt{t+1}-\sqrt{t-1})}{9-t^2} = \sqrt{t} \quad \frac{-\sqrt{t}(\sqrt{t+1})}{9-t^2} = \sqrt{t} = \frac{\sqrt{t+1} \times -\sqrt{t-1}}{9-t^2+1} = \sqrt{t-1} = \frac{\sqrt{t+1}}{1-t^2} = \frac{\sqrt{t-1}}{-\sqrt{t-1}}$$

$$\frac{\sqrt{2+1}}{1-2} = -\frac{1}{2} \Rightarrow \begin{aligned} (2-1) &= (\sqrt{2+1}) \\ 2^2 - 2 \cdot 1 + 1 &= 2+1 \\ 2^2 - 2 \cdot 1 + 1 &= 0 \end{aligned}$$

$$2^2 \leq \{2, 94\} = 0$$

$S > 0, P > 0 \Rightarrow$ ~~مستقر~~

$$\frac{1}{\sqrt{x-2}+2} - \frac{1}{2-\sqrt{x-2}} = \frac{4}{4\sqrt{x-2}}$$

$$\sqrt{1-\lambda} = t$$

✓ $\frac{1}{2} = \frac{c}{c_0} \Rightarrow c = \frac{1}{2} c_0$

$$\frac{1}{s+t} - \frac{1}{s-t} = \frac{t^2}{\Delta t} \Rightarrow \frac{s-t-s-t}{s-t^2} = \frac{t}{\Delta} \Rightarrow \frac{-2t}{s-t^2} = \frac{t}{\Delta}$$

$$-1 \cdot t = t(\xi - \xi')$$

$$-1. = \{ -t \}$$

4-2-18 =

$$r - 2 - 15 = 0$$

$$\frac{1}{x^2} + \frac{1}{(1-x)^2} = \frac{14}{9} = \frac{(1-x)^2 + x^2}{x^2(1-x)^2} = \frac{14}{9} \Rightarrow \frac{x^2 - x^2 + 1 + x^2}{(x(1-x))^2} = \frac{x^2 - x^2 + 1}{(x(1-x))^2}$$

$$\Rightarrow \frac{x^2(1-x)^2 + 1}{(x(1-x))^2} \xrightarrow{x(1-x)=t} \frac{t^2+1}{(1-t)^2} = \frac{14}{9} \Rightarrow 14t^2 = 14t + 9$$

$$x^2 - x = t \quad 14t^2 - 14t - 9 = 0$$

$$x^2 - x = t_1 \quad x^2 - x - t_1 = 0 \Rightarrow S_1 = \frac{-(-1) \pm \sqrt{1+4t_1}}{2}$$

$$x^2 - x = t_2 \quad x^2 - x - t_2 = 0 \Rightarrow S_2 = \frac{-(-1) \pm \sqrt{1+4t_2}}{2}$$

$$\Delta > 0 \Rightarrow \frac{14}{9} > 0 \quad t_1, t_2$$

$$\Rightarrow \frac{14}{9} > 0 \Rightarrow \frac{14}{9} > 0 \Rightarrow \frac{14}{9} > 0$$

$$\sqrt{x} + \sqrt{-x^2 + x^2 + 2x - 1} + \sqrt{x} + \sqrt{-x^2 + 4x - 4} = 2 + x$$

$$x > 0$$

$$-x^2 + x^2 + 2x - 1 > 0 \Rightarrow x^2 - x^2 - 2x + 1 < 0 \Rightarrow (x-1)(x+1) < 0$$

$$-x^2 + 4x - 4 > 0$$

$$x^2 - 4x + 4 < 0 \quad (x-2)(x-2) < 0$$

$$\frac{x}{+4} \quad \frac{x}{-4} \quad \frac{x}{+4} \quad \frac{x}{-4}$$

$$(-\infty, -2] \cup [2, \infty)$$

$$\sqrt{x} + \sqrt{14} + \sqrt{0} = x + 2$$

$$x + 2 = x + 2 \quad \checkmark$$

$$y + 2 = 14 \quad y = |x+2| + |x-1|$$

$$y = -2 + 14$$

$$y = \frac{-2+14}{2}$$

$$-2 + 14 = -4x - 2$$

$$\Delta x = -\frac{1}{2}$$

$$x = -\frac{1}{2} \quad \checkmark$$

$$-2 + 14 = 9$$

$$-x = -1$$

$$x = 1 \quad \times$$

$$-2 + 14 = 4x + 2$$

$$12 = 4x + 2$$

$$10 = 4x$$

$$x = \frac{5}{2}$$

$$x > 1 \Rightarrow \checkmark$$

$$A = (-\frac{1}{2}, 5) \quad B = (2, 2)$$

$$y = \sqrt{x^2 - 4x + 4} = \sqrt{(x-2)^2} = |x-2|$$

$$y = \frac{1}{2}x + 2$$

$$x-2 = \frac{1}{2}x + 2$$

$$\frac{1}{2}x = 4$$

$$x = 8$$

$$S = \frac{1}{2} |14 + 12 - 8| = 14 \quad \checkmark$$

$$(1, 2) \text{ و } (0, 2), (2, 0)$$

$$(1, 2) \quad (0, 2) \quad (2, 0)$$

$$14 + 12 - 8 =$$

$$\begin{aligned} \text{بسرور} &= 2-9 \\ \text{مقادیر} &= 2 \end{aligned}$$

$$\frac{1}{2-9} + \frac{1}{2} = \frac{1}{2}$$

$$\frac{2 + 2-9}{2^2 - 9 \cdot 2} = \frac{1}{2} \Rightarrow 2 - 18 = 2^2 - 9 \cdot 2$$

$$\text{بسرور} = 2-9 = 40-9 = \boxed{31} \checkmark$$

$$\begin{aligned} &= 2^2 - 49 \cdot 2 + 18 \\ &= (2-40)(2-9) \end{aligned}$$

$$2 = 40 \checkmark$$

$$2 = 9 \checkmark$$

1. $\boxed{31}$

2