

$$\frac{a}{b} = \frac{a}{b} \quad \frac{n+t}{y} = \frac{1+\sqrt{5}}{2} \quad \text{Bazilikli Eritimlik ①}$$

$$\frac{n \cdot y}{(n+t)y} = ? \quad \frac{n+t}{y} = \frac{1+\sqrt{5}}{2} \Rightarrow$$

$$ny = y \quad \frac{n}{1+\sqrt{5}} = \frac{y}{y(1+\sqrt{5})}$$

$$(n+t)y = 1+\sqrt{5} \Rightarrow \frac{n}{1+\sqrt{5}} = \frac{y}{y(1+\sqrt{5})}$$



$$\frac{c}{a} = \frac{1+\sqrt{5}}{2} \quad c^2 = a^2 + b^2 \Rightarrow a^2 \left(\frac{1+\sqrt{5}}{2} \right)^2 = a^2 + b^2$$

$$\frac{10a^2 + 10a^2}{2} = a^2 + b^2 \Rightarrow \frac{10a^2}{2} + \frac{10a^2}{2} = b^2$$

$$b^2 = \left(\frac{1+\sqrt{5}}{2} \right) a^2 \Rightarrow \frac{a^2}{b^2} = \frac{a^2}{a^2 \left(\frac{1+\sqrt{5}}{2} \right)}$$

$$\Rightarrow \frac{2}{1+\sqrt{5}}$$

$$r - 14a = \sqrt{r^2 + 14a} \Rightarrow r + 9a^2 - 14a = 14a^2 + 14a$$

$$-14a^2 - 14a + r = 0 \Rightarrow a = \frac{14 \pm \sqrt{14^2}}{14}$$

$$\left(\frac{r}{14} \right) \left(\frac{r}{14} \right)$$

$$\frac{r}{14} - \frac{r}{14} = \sqrt{\frac{r}{14} + \frac{r}{14}}$$

$$\Rightarrow \frac{\frac{r}{14} + 1}{\frac{r}{14}} = \left(\frac{9}{14} \right)$$

$$\sqrt{n-1} = \frac{\sqrt[3]{n+1} - \sqrt[3]{n+1} - \sqrt[3]{n-1}}{1} \quad (f)$$

$$\frac{1}{\sqrt{n-1}} = \frac{\sqrt{n+1}}{1 \cdot n} \Rightarrow 1 \cdot n = -\sqrt{n+1}$$

$$\Rightarrow \sqrt{n} + \sqrt{n} = 1 \cdot n + n^2 - \sqrt{n}$$

$$\Rightarrow n^2 - 2\sqrt{n} + 9 = 0 \Rightarrow \frac{2 \pm \sqrt{19}}{2}$$

$$\frac{2 \pm \sqrt{19}}{2} \quad (d)$$

$$\frac{-2 \pm \sqrt{4-4}}{2} = \frac{2-n}{2\sqrt{n}} \Rightarrow \sqrt{n} = -1 \cdot (2-n)$$

$$\Rightarrow \frac{-1 \pm \sqrt{19}}{2} = -1 \quad (e)$$

$$(f)$$

$$-n^2 + 2n + 1 = (n-2)(n-4) \quad (g)$$

$$\Rightarrow \frac{-2}{1} \pm \frac{1}{1} = \Rightarrow R_1 = [-\infty, -2] \cup [4, \infty]$$

$$-n^2 + 4n - 1 = -(n-2)(n-4)$$

$$\Rightarrow \frac{2}{1} \pm \frac{1}{1} = \Rightarrow R_2 = [2, 4]$$

$$R_1 \cap R_2 = \{2, 4\}$$

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

⑧

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

$$\frac{1}{x} = \frac{1}{x} x \Rightarrow x = 1 \checkmark \quad x > 0$$

$$\frac{1}{x} - \frac{1}{x} = 1 \Rightarrow 1 - x = 1 \Rightarrow x = 0 \times$$

$$\frac{1}{x} - \frac{1}{x} = -x - 1 \Rightarrow \frac{-1}{x} = \frac{1}{x} \Rightarrow x = -1 \checkmark$$

$$A(x_0) \in B(-1, V)$$

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

$$\sqrt{1}$$

$$y = \sqrt{(x-1)^2} = |x-1|$$

⑨

$$y = |x-1| \quad y = \frac{1}{x} x + 1$$

$$x-1 \quad x-1$$

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

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

$$\frac{1}{x} x = x - 2 \Rightarrow x = \frac{1}{x} \times$$

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

$$n = 1 \Rightarrow y = 4$$

$$|n - 1| = 0 \Rightarrow n = 1$$

$$\frac{1}{r} x + 1 = 0 \Rightarrow n = -f$$

$$\Rightarrow 1 - (-f) = 4 = A$$

$$\frac{A \cdot h}{r} = \frac{4 \times 4}{r} = 11$$

1.

$$\frac{1}{n-9} + \frac{1}{n} = \frac{1}{r_0}$$

$$\frac{r_0 n - 9}{n^2 - 9n} = \frac{1}{r_0} \Rightarrow f \cdot n - 11 \cdot = n^2 - 9n$$

$$\Rightarrow n^2 - f \cdot n + 11 \cdot = 0$$

$$(n - f)(n - f \delta) = 0$$

$$\Rightarrow n = f \perp f \delta$$

$$\xrightarrow{x} n - 9 = f - 9 = -\delta \rightarrow \delta \text{ ges } x \text{ such}$$

$$\Rightarrow f \delta - 9 = 11 \gamma_h$$