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$$\frac{1}{+} \frac{3}{-} \frac{3}{+}$$

$$S = 3$$

$$P = 3$$

$$x^2 - 5x + 3$$

$$x^2 - 3x + 3 \quad \alpha + b = \sqrt{\quad}$$

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$$x - 3n = 0 \quad -1 - 3n = 0$$

$$\hookrightarrow -1 \quad -3n = 1$$

$$n = \frac{-1}{3}$$

$$\frac{\omega}{-1} + 1 \quad 5 - 1\omega + 1 = -13$$

$$k - 2 < 0 \quad k < 2$$

$$f(k - 2) + m - 1 = 0$$

$$f(k - 1) + m - 1 = 0$$

$$k \in \mathbb{N} \quad k = 1 \rightarrow k + m = 9 \quad m = 8$$

$$k = 2 \rightarrow k + m = 9 \quad m = 7 \quad \alpha \quad 1 < k < 2$$

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$$-\frac{1}{f} x^2 + 2x + 4 > \frac{4}{f}$$

$$-f \left( -\frac{1}{f} x^2 + 2x + \frac{4}{f} \right) > 0$$

$$x^2 - 2x - 4 < 0$$

$$(x - 0)(x + 4)$$

$$\hookrightarrow 0 \quad \hookrightarrow -4$$

$$\frac{-1}{+} \frac{\omega}{-} \frac{4}{+}$$

$$(-1, \omega) \quad \omega - (-1) = 4$$

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$$-x^2 (3 - m) + (3 - m) (3 - x) (1 - x^2) < 0$$

$$\hookrightarrow 3 \quad \hookrightarrow \pm 1$$

$$f(x) \quad \wedge -12 - 2 + 35 - 3$$

$$\frac{-1}{-} \frac{1}{+} \frac{3}{-}$$

$$(-\infty, -1) \cup (1, 3) \cap (0, +\infty) =$$

$$(1, 3) \rightarrow \frac{2}{3}$$

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$$a - 1 < 0 \quad a < 1$$

$$\Delta < 0 \quad (a - 1)^2 - f(a - 1) < 0 \quad a^2 - 2a + 1 - fa + f < 0$$

$$a^2 - 4a + 5 < 0$$

$$(a - 5)(a - 1)$$

$$\hookrightarrow 5 \quad \hookrightarrow 1$$

$$\frac{1}{+} \frac{\omega}{-} \frac{5}{+}$$

$$(1, 5) \cap (-\infty, 1) = \emptyset$$

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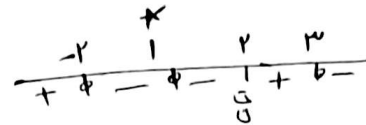
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$$\frac{\sqrt{x^r(m^r+1)}}{\sum_{r=1}^m} > 0 \quad \Rightarrow \quad \frac{r}{r} \rightarrow (r, +\infty)$$

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$$\frac{(\sqrt{x-r})(\sqrt{x+r})(\sqrt{x-1})^r}{(x^r+m+1)(r-x)^r}$$



$$[-r, 1] \cup [1, r) \cup [r, +\infty)$$

$$\rightarrow [-r, r) \cup [r, +\infty)$$

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$$\frac{rx^r - pm}{x^r + k} < r \quad \frac{(\sqrt{x-r})(\sqrt{x+r})}{x^r - rx - 1} < 0 \quad \frac{-r}{+1} - \frac{r}{+1}$$

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$$\frac{rx^r - rx - rx^r - 1}{x^r + k} < 0 \quad (-r, r) \quad r - (-r) = 2r$$

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$$\frac{x^2(\sqrt{ax-r})}{rx^r - pm} < 0 \quad \frac{-1}{-1} + \frac{r}{-1} - \frac{r}{+1} \Rightarrow (-\infty, -1) \cup (0, \frac{r}{r})$$

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$$\frac{rx^r - pm}{x+1} > -1 \quad \frac{r \pm \sqrt{9-1r}}{2x+1} > 0$$

$$\frac{rx^r - pm + x + 1}{x+1} > 0 \quad \frac{-1}{-1} + \frac{r}{-1} \Rightarrow (-1, +\infty)$$

$$\frac{x^r - 1 - pm}{x} \leq 0 \quad \frac{x^r - pm - 1}{x} \leq 0$$

$$\frac{(x-\omega)(x+r)}{x} \quad \frac{-r}{-1} + \frac{\omega}{-1} - \frac{1}{+1}$$

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$$(-\infty, -r] \cup (0, \omega]$$