

$$n^2 + (\Delta - \gamma)n + m - \gamma = 0$$

$$x = \frac{\gamma - \Delta \pm \sqrt{(\Delta - \gamma)^2 - 4(m - \gamma)}}{2} \Rightarrow \gamma^2 - 10\gamma + 10 - 4m + 4\gamma = 0$$

$$\gamma^2 - 9\gamma + 10 - 4m \geq 0 \Rightarrow \gamma - 2(10 - 4m) \leq 0 \Rightarrow 14m \leq \gamma^2 - 9\gamma + 10 - 4m \Rightarrow 0$$

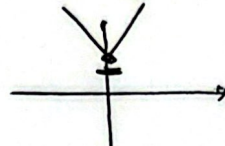
$$m < \varepsilon \rightarrow \{1, 2, 3\}$$

$$R = \{1\} \leftarrow m, \quad n^2 + \delta n + \varepsilon \xrightarrow{n \leq \varepsilon} \frac{(n+1)(n+2)}{n+1}$$

$$f(n) = \begin{cases} n+1 & n \geq 2 \\ n^2 - n + 1 & 0 \leq n \leq 2 \\ |n| + 1 & n < 0 \end{cases}$$

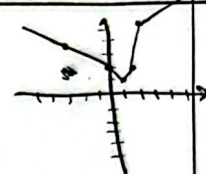
$$R_1 = [0, +\infty) \quad \frac{n+1}{n} \rightarrow \frac{\varepsilon}{\gamma}$$

$$y = (n-1)^2 + 1 \rightarrow S \mid$$



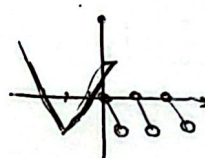
$$R_{y_1} = [1, +\infty)$$

$$R_f = [1, +\infty)$$



r

$$f(n) = \begin{cases} n^2 + \varepsilon n + 1 & n \leq 0 \rightarrow S \mid \begin{matrix} -1 \\ -1 \end{matrix} \\ \lfloor \varepsilon n \rfloor - n & n > 0 \rightarrow R_2(-1, 0] \end{cases}$$



$$R_1 = [-1, +\infty)$$

$$R_1 \cup R_2 = [-1, +\infty)$$

1

$$y = a + 1 - \sqrt{n+1}$$

$$D_g = [b, +\infty)$$

$$R_y = (-\infty, a]$$

ab = ?

$$\left(-\frac{r}{r}\right) \times \varepsilon = -1$$

$$R_f = \{n+1\} \rightarrow n \geq -\frac{r}{r} \rightarrow \boxed{b = -\frac{r}{r}}$$

$$y_{\max} \rightarrow \sqrt{n+1} \rightarrow \min \emptyset \rightarrow \sqrt{n+1} \rightarrow \dots$$

$$y = a + 1 \rightarrow \infty$$

$$\boxed{a = \varepsilon}$$

$$y = a$$

1

$$f(n) = \sqrt{n+1} + \varepsilon \sqrt{1-n}$$

$$f(n) + g(n) = \sqrt{1+n} + \sqrt{1-n}$$

$$D_f = D_g$$

$$R_y = ? \quad y = \frac{f(n)}{\gamma} - \frac{g(n)}{\gamma}$$

$$y(1) = \frac{\sqrt{2}}{\gamma} - \frac{\sqrt{0}}{\gamma} = 0$$

$$n+1 \geq 0 \rightarrow n \geq -1 \quad n \in [-1, 1]$$

$$1-n \geq 0 \rightarrow n \leq 1$$

$$f(1) = \sqrt{2}, f(-1) = \sqrt{2} \quad f(0) = 1$$

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

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

$$R_y = [0, \sqrt{2}] \quad y(-1) = \frac{\sqrt{2}}{\gamma} - \frac{\sqrt{0}}{\gamma} = \frac{\sqrt{2}}{\gamma}$$