

$$y = \sqrt{-(x+r)/f(rk-1)}$$

$$rk-1 = \omega \Rightarrow rk = \gamma$$

$$\gamma k - 1 = -1 \Rightarrow k = 0$$

$$\gamma k - 1 = \gamma \Rightarrow k = 1$$

$$\frac{-\gamma}{-\phi + \gamma} = \frac{0}{-\phi + \gamma} = \frac{1}{-\phi + \gamma} = \frac{\gamma}{-\phi + \gamma}$$

$$D_f = [-\gamma, 0] \cup [1, \gamma]$$

Y

6

$$f(k) = |\gamma k - \gamma| + 1$$

$$\Rightarrow |\gamma k - \gamma| + 1 = |\gamma k - \gamma + k| - \gamma$$

$$g(k) = |\gamma k - \gamma + k| - \gamma$$

$$k \Rightarrow \xi = |k - \gamma| - \gamma \Rightarrow k = 9, k = -4$$

$$k > 0 \Rightarrow k = 9$$

$$f(k) = \gamma$$

$$\rightarrow k = 10$$

$$g(u) = |\gamma(u+k) - \gamma| - \gamma \rightarrow g(\cdot) = |\gamma k - \gamma| - \gamma \rightarrow k = -10$$

10

7

$$g(k) = \frac{-1 - \frac{\gamma}{\gamma} k}{-\frac{\gamma}{\gamma} + 1} = \frac{-\gamma k + \gamma}{\gamma - \gamma}$$

$$h(k) = \frac{\gamma k + \gamma + a(k - \gamma)}{\gamma k + \gamma} \rightarrow (k - \gamma) \gamma + \gamma a(k - \gamma) + \gamma k + \gamma \rightarrow k = 4$$

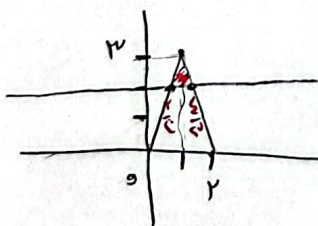
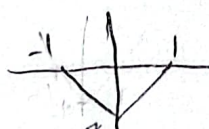
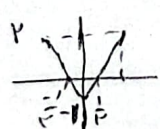
$$f(k) = h(k)$$

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$$(k+1)(\gamma k + \gamma + a(k - \gamma)) = (k - \gamma)(\gamma k - \gamma) \Rightarrow \gamma k^2 + \gamma k + a\gamma k - \gamma a k + \gamma k + \gamma + a k^2 - a k \gamma = \gamma k^2 - \gamma k - \gamma k + \gamma \Rightarrow a k^2 + a k - \gamma a k + \gamma - \gamma a = -\gamma k + \gamma \Rightarrow a k^2 + (1 - \gamma a)k - \gamma a = 0 \Rightarrow a = 0$$

$$\Rightarrow a k^2 + a k - \gamma a k + \gamma - \gamma a = -\gamma k + \gamma \Rightarrow a k^2 + (1 - \gamma a)k - \gamma a = 0 \Rightarrow a = 0$$

$$g_1 = -f\left(\frac{k}{\gamma}\right) + \gamma \rightarrow -f(k) + \gamma \rightarrow -f(k) \rightarrow f(k) \rightarrow f(k-1)$$



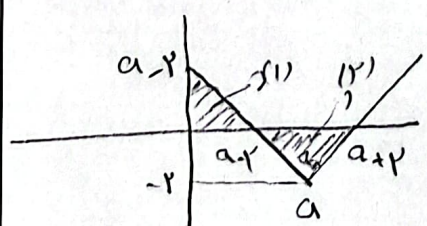
$$\gamma k = \gamma \Rightarrow k = 1$$

$$\xi = \frac{\gamma}{\gamma} - \frac{\gamma}{\gamma} = \frac{\gamma}{\gamma} = 1$$

$$S = \frac{\gamma}{\gamma} \times 1 \times \frac{1}{\gamma} = \frac{1}{\gamma}$$

Y

9



$$S_{(1)} = \left| \frac{(a - \gamma)(a - \gamma)}{\gamma} \right| = \frac{a^2 - 2a\gamma + \gamma^2}{\gamma} = \frac{(a - \gamma)^2}{\gamma}$$

$$S_{(2)} = \left| \frac{(a - \gamma) - (a + \gamma)}{\gamma} \right| = \frac{-2\gamma}{\gamma} = -2$$

Y

$$\frac{(a - \gamma)^2}{\gamma} + \xi = \frac{9}{\gamma} \Rightarrow a^2 - 2a\gamma + \gamma^2 + \xi = \frac{9}{\gamma} \Rightarrow a = \gamma$$

$$f(k) = |k - \gamma| - \gamma \rightarrow f\left(\frac{\gamma}{\gamma}\right) = \left| \frac{\gamma}{\gamma} - \gamma \right| - \gamma = \frac{1}{\gamma} - \gamma = \frac{\gamma}{\gamma}$$

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