

①

$$-\frac{r}{c} + 1 \leq x \leq \frac{r}{c} + 1$$

$$\left[-\frac{1}{c}, \frac{1}{c} \right] \rightarrow \text{دائماً}$$

$$g_r = \sqrt{|rf_{r+1} - r|}$$

(مماثل)

$$-r \leq rf_{r+1} \leq r$$

$$-1 \leq rf_{r+1} - r \leq 1$$

$$\therefore |rf_{r+1} - r| \leq 1$$

$$R_r = [0, \sqrt{1}]$$

$$D_f = \left[-\frac{1}{c}, \frac{1}{c} \right]$$

$$F_{r+1} = \left| \frac{r+1}{r+1} \right| \xrightarrow[\substack{\text{مماثل، مماثل} \\ n-r}}{\quad} \left| \frac{r-r+1}{r-r+1} \right| = \left| \frac{r-1}{r-r} \right|$$

(مماثل)

①

$$g(r) = \left| \frac{r-1}{r-r} \right| + 1$$

$$r+1 + \left| \frac{r-1}{r-r} \right| < .$$

$$\left| \frac{r-1}{r-r} \right| < -(r+1) \rightarrow \frac{r-1}{r-r} < -(r+1)$$

~~استمر...~~

(استمر...)

$$r_n^2 - r_n + r_n - r \geq r - 1$$

$$r_n^2 - r_n - r \geq 0$$

$$\rightarrow r_n^2 - r_n - 1 > 0 \quad \left\{ \frac{1 + \sqrt{5}}{2}, \frac{1 - \sqrt{5}}{2} \right\}$$

$$f(x) \rightarrow f(x-a) + b$$

3) استعاره:

$$f(x) = -\frac{1}{r}x^r + \frac{r}{a}x + 1$$

$$x_{ext} = -\frac{b}{r/a} = \frac{-\frac{r}{a}}{-\frac{r}{a}} = \frac{r}{a}$$

$$f\left(\frac{r}{a}\right) = \frac{r/a}{r/a}$$

$$r-a = \frac{r}{a}$$

$$a = r - \frac{r}{a} = \frac{rV}{a}$$

$$r = \frac{r/a}{r/a} + b$$

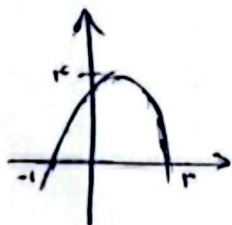
$$b = \frac{rV}{r/a}$$

$$f\left(x - \frac{rV}{a}\right) + \frac{rV}{r/a}$$

$$y = -\frac{1}{r}\left(x - \frac{rV}{a}\right)^r + \frac{r}{a}\left(x - \frac{rV}{a}\right) + 1 + \frac{rV}{r/a}$$

$$x^r + \frac{r/a}{r/a} - \frac{rV}{a}x$$

$$-\frac{1}{r}x^r - \frac{1}{r}\frac{r/a}{r/a} + \frac{rV}{a}x + \frac{r}{a}x - \frac{rV}{r/a} + 1 + \frac{rV}{r/a} = 0$$



$$f(1) = \epsilon$$

$$y = 1 - (r F(r/a + r)) = -V$$

$$r/a + r = 1$$

$$r/a = -1$$

$$a = -\frac{1}{r}$$

$$\alpha\beta = \frac{V}{a}$$

①

$$D_f = [a, r]$$

$$D_g = [-1, b]$$

$$a < x \leq r$$

$$-1 < x < b$$

$$-1 < x+1 < b+1$$

$$a < x-1 \leq r$$

$$-r < x \leq b-1$$

$$a+1 < x \leq a$$

∩

$$b-1 = a$$

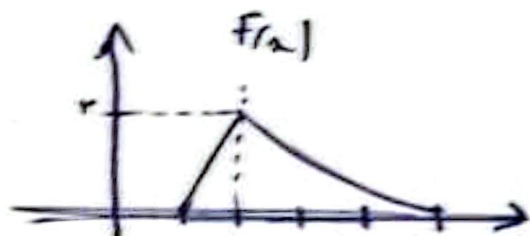
$$a+1 = -r$$

$$b = r$$

$$a = -r$$

$$a-b = (-r)$$

②



$$1 \leq r \leq \infty$$

$$1 \leq r - r_n \leq \infty$$

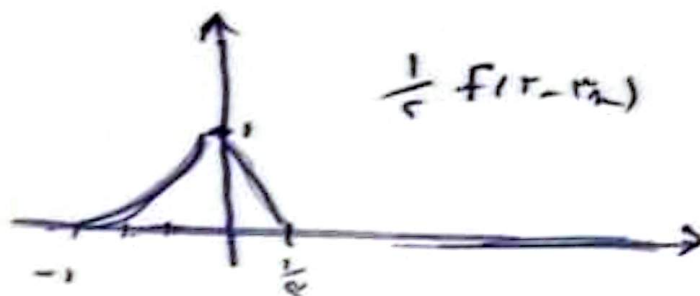
$$-1 \geq r_n - r \geq -\infty$$

$$1 \geq r_n \geq -r$$

$$\frac{1}{r} \geq r \geq -1$$

$$f(r) = r$$

$$r - r_n = r \rightarrow r = 0$$



$$\frac{1}{r} f(r - r_n)$$

$$y = -1 \quad c. r \quad r$$

~~Handwritten scribble~~ 3

⑤

$$-15 \leq r_2 \leq 11 \quad -1 \leq r_3 \leq 9$$

→

७

سواد - آیف سید و زینب اصفیاء و لیلی و وردی (ابعاد)
برای سایه مناسبه

$$\frac{w(-1)+1}{2} \leq - < \frac{w(1)+1}{2}$$

③

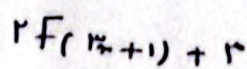
$$-1, r, \omega, \gamma, \omega$$

$$+1 \geq \alpha_1 - r \geq -\alpha$$

$$z_1 < z_2 < z_3$$

2/10 2/10 2/10 2/10 2/10

८



$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4}$$

$$r_{n+1} = \cdot$$

$$\lambda = -\frac{1}{2}$$

$$n \rightarrow F(r_{n+1}) = F(n) + \frac{1}{n}$$

$$rF(1) + r = 1$$