

19,5

تکلیف

داریم و جبر

روزهای سرد و برفی

$$D_{f(m)} = [-r, r]$$

$$D \left(f\left(\frac{r_{m+1}}{a}\right) \right)$$

$$-r \leq \frac{r_{m+1}}{a} \leq r$$

$$-1 \leq r_{m+1} \leq r$$

$$-1 \leq r_m \leq r \rightarrow -r \leq r_{m+1} \leq r$$

$$-r \leq r_{m+1} \leq r$$

(2) -1

$$f(r_{m+1}) \rightarrow [-r, r]$$

$$f(r_m) = ?$$

$$\rightarrow D_{f(m)} = [-1, r]$$

$$-r \leq r_{m+1} \leq r$$

$$-1 \leq r_m \leq r$$

$$-1 \leq r_{m+1} \leq r$$

$$f\left(\frac{r_{m+1}}{r}\right) \quad D_f = [-1, r]$$

$$D \left(f(r - a_m) \right) \rightarrow D_{f(r - a_m)} = \left(-\frac{r}{a}, \frac{r}{a} \right)$$

$$-1 \leq r_{m+1} \leq r$$

$$-1 \leq r_m \leq r$$

$$-1 \leq r_{m+1} \leq r$$

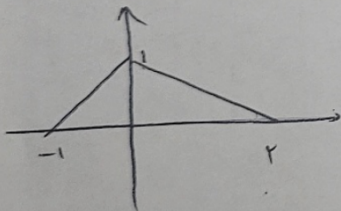
$$-1 \leq \frac{r_{m+1}}{r} \leq r$$

$$-1 \leq r - a_m \leq r$$

$$-1 \leq -a_m \leq r$$

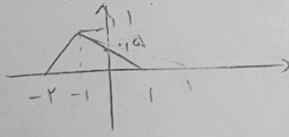
$$-\frac{r}{a} \leq -a_m \leq \frac{r}{a} \rightarrow \frac{r}{a} \geq a_m \geq -\frac{r}{a}$$

$$f(r_m)$$

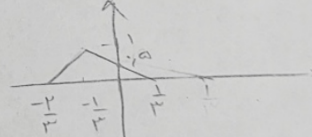


$$y = f(r_{m+1}) + r$$

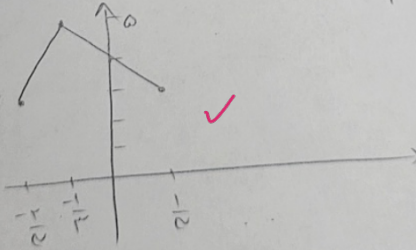
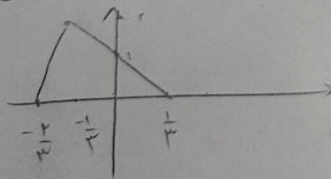
$$y = f(r_{m+1})$$



$$y = f(r_{m+1})$$

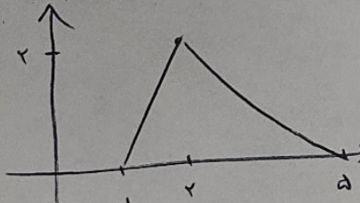


$$y = f(r_{m+1})$$



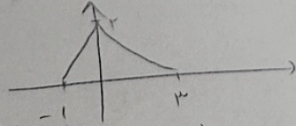
(2) -r

$$f(r_m)$$

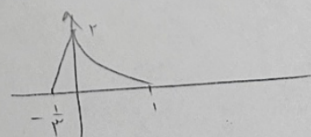


$$y = \frac{1}{r} f(r - r_m)$$

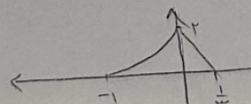
$$y = f(r_{m+1} + r)$$



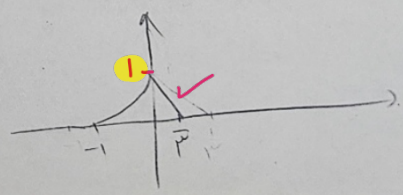
$$y = f(r_{m+1} + r)$$



$$y = f(-r_{m+1} + r)$$



$$y = \frac{1}{r} f(r - r_{m+1})$$



(1, 1/r)

٢- جرت فضا انتقال لایم سو، مع مشتق با نسبتا نسبه ← فریب از تابع، $\frac{1}{x^2}$ $\rightarrow$ $y = -\frac{1}{x^2} + \frac{2}{a}x + 1$
 مع $x=1$ $y = -\frac{1}{1^2} + \frac{2}{a} \cdot 1 + 1 = 0$ $\rightarrow$ $(a-2)^2 = 4$ $a-2 = \pm 2$
 $\frac{1}{x^2} (a-2)^2 + 2 = 0$ $(a-2)^2 = 4$ $a-2 = \pm 2$
 $a = 4$ $a = 0$ $\checkmark$

$$y = 1 - 2F(\underbrace{r_m + r}_{q_1 = -\frac{1}{\mu}})$$

$$A(\alpha, \beta) \quad \alpha\beta = ?$$

$$\left(-\frac{1}{\mu}, -v\right) \quad \left(-\frac{1}{\mu}\right)(-v) = \frac{v}{\mu}$$

$$y = 1 - 2(\xi) = -v$$

$$D_f = (a, \varepsilon] \quad D_g = [-1, b) \quad y = f(n-1) + g(n+1) \rightarrow 0(-r, a) \quad a-b=?$$

$$a + n - 1 < \varepsilon \quad -1 < n + 1 < b \quad -r - 4 = \boxed{4} \quad (r)$$

$$a + 1 < n < a \quad -r < n < b - 1 \rightarrow a + 1 = -r \rightarrow a = -r - 1$$

$$b - 1 = a \rightarrow b = a + 1$$

$y = \sqrt{|\psi_R(m) - \psi|} \rightarrow$ حداقل
 $D_y = \left[-\frac{1}{\sqrt{2}}, \frac{\sqrt{2}}{\sqrt{2}} \right]$
 $R_y = \left[\begin{smallmatrix} 0 & \sqrt{2} \end{smallmatrix} \right]$
 $0 \leq \sqrt{|\psi_R(m) - \psi|} \leq \sqrt{2} \leftarrow \sqrt{2} \cdot 0 \leq |\psi_R(m) - \psi| \leq 2$

$$P_m = \left| \frac{a+1}{r_{m+1}} \right| \quad \left| \frac{a-1}{r(m-1)+1} \right| + 1 = g(m) \quad (r) - \text{lo}$$

[illegible]