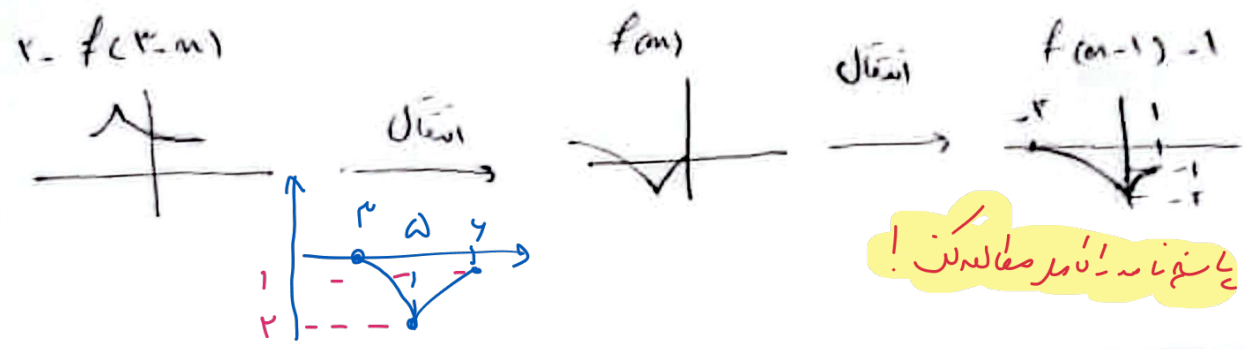


$$f(m) = \log_r^m \xrightarrow{\text{انتقال}} g(m) = -\log_r^{-m+2} + 2 \rightarrow g(-12) + g(-42)$$

قرن نسبت به y فقط x ها را به x تبدیل کردند
 $= -7 - 9 = (-16)$

$$g(-12) + g(-42) = -1 - 32 - 2$$



تعداد کوپه و گوفای برعکس حالت عادی است $\leftarrow a < 0$

$$f(-\frac{1}{a}) = -\frac{1}{a^2} [-1] = \frac{1}{2} \rightarrow a^2 = 2 \rightarrow a = -2$$

$$b < 1 \rightarrow b - a < 0$$

$$f(m) = \left| \frac{m+1}{m-1} \right| \xrightarrow{\text{انتقال}} g(m) = \left| \frac{m-1}{m-3} \right| + 1 \quad m+g(m) < 0$$

$$\begin{aligned} m + \left| \frac{m-1}{m-3} \right| + 1 &< 0 \\ \frac{-m}{m-3} + \frac{m-1}{m-3} + \frac{m}{m-3} &< 0 \\ \frac{m-1}{m-3} &< -1-m \end{aligned}$$

$$f(m) = t \Rightarrow g(m) = \sqrt{m^2 - t^2} \Rightarrow m^2 - t^2 > 0 \Rightarrow t(m-t) > 0$$

$$\begin{aligned} \Rightarrow 0 &\leq (m-t)^2 + 4t \leq m \\ f(m) &= (m-t)^2 + 4t \\ \Rightarrow -2t &\leq (m-t)^2 \leq 1 \Rightarrow -1 \leq m-t \leq 1 \\ -1 &\leq m \leq 3 \end{aligned}$$

$$f(m) = k(m-t)^2 + 4t \xrightarrow{(\cdot)} k < \frac{2t}{1} \leq f(m) \leq m \quad f(m) \geq 0 \rightarrow m \geq 0 \quad f(m) < m \rightarrow m < \frac{1}{k}$$

۱. معادله‌ی سهم بر حسب رأس با اصاب سیب آن

$$y = -\frac{1}{4}(x-4)^2 + 3$$

$$y=0 \rightarrow (x-4)^2 = 4 \rightarrow x-4 = 2 \rightarrow x=6$$

$$x-4 = -2 \rightarrow x=2$$

X $\rightarrow$ $3m+2=1 \rightarrow 3m=-1, m=-\frac{1}{3}$

Y $\rightarrow$ $1-2(\varepsilon) = -5$

A = $(-\frac{1}{3}, -5) \rightarrow \alpha\beta = (\frac{5}{3})$

$3 - \sqrt{2m} \xrightarrow{\text{افزایش}} -(3 - \sqrt{2(m+1)}) + \omega = f(m)$

$\Rightarrow -(3 - \sqrt{2(m+1)}) + \omega = \frac{5}{3} \Rightarrow m = \frac{1}{\Delta}$

$Df_{\text{معد}} = (a+1, \omega) \quad Dg_{\text{معد}} = (-2, b)$

$-1 \leq x+1 \leq b \rightarrow -2 \leq x \leq b-1$

$Df_{\text{معد}} \cap Dg_{\text{معد}} = (-2, \omega) \Rightarrow a+1 = -2 \Rightarrow a = -3, b = \omega$

$\Rightarrow a-b = -3 - \omega = -4$

$[-2, \omega] \xrightarrow{+1} [-1, \omega] \xrightarrow{\div 2} [-1, 3]$

