

$$12a - 2 \leq 5a - 2 \quad \text{و} \quad a \leq a^2 - 12a + 16 \quad \text{و} \quad 0 \leq (a-1)(a-2)(a-4)$$

$$\begin{array}{r|rrrr} a-2 & - & 2 & & \\ a-1 & - & + & + & \\ a+4 & - & 0 & + & + \\ 12a & - & 0 & + & 0 & + \end{array} \rightarrow a \geq -2 \quad a \in [-2, \infty)$$

نمود

$$f_{(v)}^d \text{ و } f_{(e)}^d \rightarrow f_{(e)}^d \text{ و } f_{(v)}^d \quad \mu = \mu(p) + k \rightarrow k = -6$$

$$\Delta f_v \text{ و } \mu(v) - 1 \leq 11$$

$$f(f_{(m)}) \text{ و } \mu(m-1) - 1 \leq 9m - 3 - 1 \leq 9m - 4$$

$$\frac{a \times a}{a-1} = 2a \rightarrow \frac{a^2}{a-1} = 2a \quad a^2 = 2a^2 - 2a$$

$$a^2 = 2a \quad \left(\begin{array}{l} 2\sqrt{a} - 2a \\ 0 \end{array} \right)$$

یک به یک بررسی می‌کنیم و اعداد را در

$$1) f \circ f^4 = \{(w, v), (v, v), (v, u), (u, u)\}$$

$$2) f^{-1} \circ f = \{(u, v), (v, u), (v, v), (w, w)\}$$

$$3) f \circ f^{-1} = \{(u, w), (w, u)\}$$

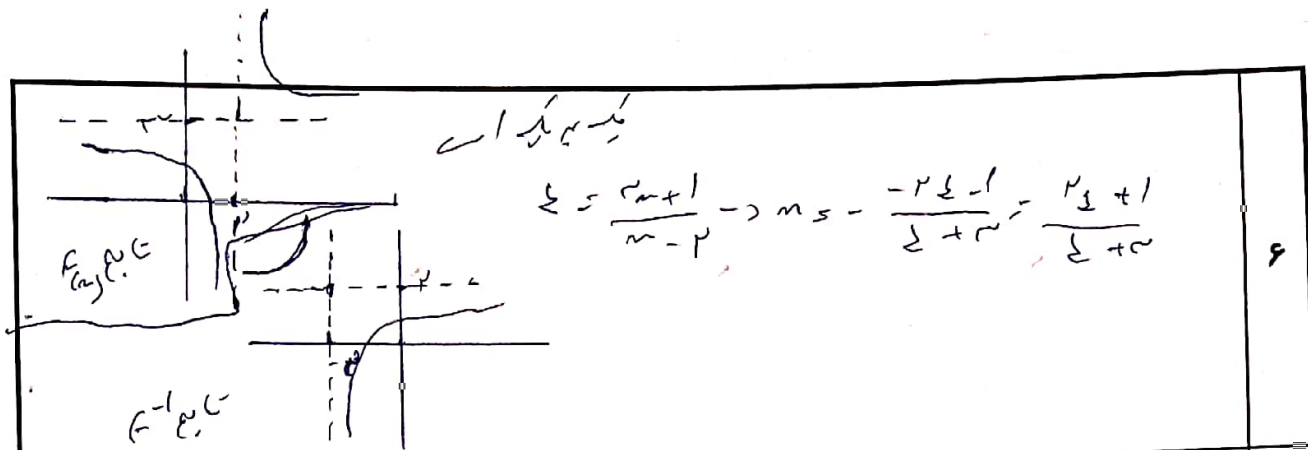
$$4) f^{-1} \circ f = \{(u, v), (v, u), (v, w), (w, v)\}$$

$$D_h \cap D_{g^{-1}} = \{1, 2, 3\} \quad 1 \rightarrow \frac{h(1)}{f \circ g^{-1}(1)} = \frac{1}{1} = 1$$

$$2 \rightarrow \frac{h(2)}{f \circ g^{-1}(2)} = \frac{2}{1} = 2$$

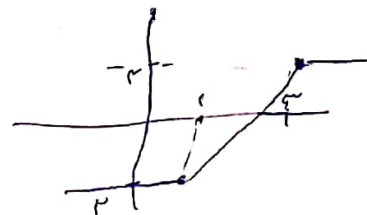
$$3 \rightarrow \frac{h(3)}{f \circ g^{-1}(3)} = \frac{1}{0} \text{ تعریف نشده}$$

$$\frac{h}{f \circ g^{-1}} = \left\{ \left(1, \frac{1}{1}\right), \left(2, \frac{2}{1}\right) \right\}$$



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$f(x) = \begin{cases} x-1-x+1 = x & x \geq 1 \\ x-1+x-1 = x-2 & x > 1 \\ -x+1+x-1 = 0 & x \leq 1 \end{cases}$



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$[a, b] \subseteq [r, r] \quad r-m \geq 1 \rightarrow m = r_2 - r$
 $m + r = r_2 \quad \left(\frac{r}{r} + r = r_2 \right)$

$R_1 \subseteq [0, \infty) \quad R_2 = [-\infty, -1]$

$R_1 \cap R_2 = \emptyset \quad m \neq r = 1 \rightarrow x + r = m \rightarrow x = m - r \rightarrow x = \sqrt{m - r}$

$x = (m-1) \rightarrow x = \sqrt{x-1} \rightarrow x+1 = x^2 \rightarrow \frac{1}{x} x + \frac{1}{x} = x$

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$f(x) = m^x = \frac{(x+1)^x}{x+1} \rightarrow \frac{m^x + m^x - m^x - m^x - m^x - 1}{x+1} = \frac{-m^x - 1}{x+1}$

$x = \frac{-m^x - 1}{x+1} \rightarrow m = \frac{m^x + 1}{x+1} = \frac{-m^x - 1}{x+1} \Rightarrow F = \frac{-m^x - 1}{x+1} = \frac{-x - 1}{x+1}$
 $a < -1 \quad b < -1 \quad d < 1$

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$F^{-1} = \frac{-x(-1) - 1}{x(-1) + 1} = \frac{1}{x} = 0$

$\frac{1}{x} = \frac{m}{x+1} \rightarrow x = m^x \quad \Delta = (-1) \pm \sqrt{1 - 4x}$
 $F^{-1} = \frac{1 \pm \sqrt{1 - 4x}}{2x} \rightarrow -\frac{1}{x} \leq m \leq \frac{1}{x} \quad 1 - 4x^2 \geq 0 \quad x > 0 \quad \frac{1}{x} \geq m$

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$r \neq 0 \quad m \neq 0$

مجموعه اعداد صحیح