

پارہ انورس تکفیف ۱۰

$$8. \frac{1}{r} \left(\frac{1}{c} + \frac{1}{r} \right) = \frac{1}{kr} \quad \checkmark$$

Q-1)

(الف) $(\sqrt{x}) = y$  تبدیل $f(x, y) = (x-1)^2 + 1 = y \Rightarrow \sqrt{y-1} = x \Rightarrow f^{-1}(y) = \sqrt{y-1} + 1$ ۲

ب) $f(x) = (x+1)^2$, $x \in \mathbb{R}$.  یک به یک است $\Rightarrow f^{-1}(x) = \sqrt{x-1} + 1 \gg 3 \Rightarrow D_{f^{-1}} = [9, +\infty)$ ✓

$$f_{\text{low}}: r_n - \sqrt{(y - y_n + \varepsilon)^2} = r_n - \sqrt{(n-r)^2} > r_n - r |n-r| \rightarrow n > r - y \geq \varepsilon \quad \text{ممكن} \quad \text{ن} - r$$

$p_{f(n)} = \{n - \varepsilon\} \Rightarrow p_{f(n)}^{-1} = \frac{n + \varepsilon}{\varepsilon} = n_{\varepsilon} + 1, \quad \underline{D_{f(n)} \cdot R_{f(n)}^{-1}} \rightarrow n_{\varepsilon} + 1, 1 \leq n \leq \varepsilon \Rightarrow p_{f(n)}^{-1} \cdot n_{\varepsilon} + 1, \quad D_{f(n)}^{-1} \cdot \varepsilon$

 !! این تابع بر حسب مختصات مثلث متباین در صفحه مختصات
 محدوده در جهت مثبت محور x (۴) و y $(1 + \frac{\varepsilon}{\varepsilon})$

$$\partial_r = \partial_l = \frac{n_l}{\sqrt{n_l^r - \delta}} = \frac{n_r}{\sqrt{n_r^r - \delta}} \frac{\langle \sqrt{n_l^r - \delta} \rangle, \langle \sqrt{n_r^r - \delta} \rangle}{\langle \sqrt{n_l^r - \delta} \rangle, \langle \sqrt{n_r^r - \delta} \rangle} \rightarrow n_l, n_r \text{ resp } \textcircled{I} \rightarrow \frac{n_l^r}{n_l^r - \delta} = \frac{n_r^r}{n_r^r - \delta} \Rightarrow \textcircled{r} - \delta$$

$$n_1^r n_1^r - \partial n_1^r = n_1^r n_1^r - \partial n_1^r \Rightarrow n_1^r = n_1^r \quad \oplus \Rightarrow n_1 = n_1 \Rightarrow \text{...}$$

$$n_1^r = \frac{-\partial y^r}{1-y^r} \Rightarrow \frac{\partial y^r}{y^r-1} \Rightarrow n = \frac{y\sqrt{\sigma}}{\sqrt{y^4}} \Rightarrow \frac{\rho}{f_{\omega}} = \frac{\sqrt{\sigma n}}{\sqrt{n^2-1}} \quad \checkmark$$

$$z - 1 + k \gg -z + r + rk \Rightarrow -1 \gg r \Rightarrow k \ll -9 \quad \checkmark$$

$$P_{n+1/2} \begin{pmatrix} \varepsilon_n & u_n \\ u_n & u_n \end{pmatrix} \xrightarrow{P_{n+1}^{-1}} \begin{pmatrix} y_\varepsilon & u_n \\ y_\gamma & u_n \end{pmatrix} \Rightarrow \frac{u_n + y_\gamma}{\gamma} = \frac{\varepsilon_n}{\lambda} \xrightarrow{P_{n+1}^{-1}} \frac{\gamma}{\lambda} u_n + \frac{1}{\lambda} |u| \Rightarrow a = \frac{\gamma}{\lambda}, b = -\frac{1}{\lambda} \Rightarrow \frac{1}{\gamma \varepsilon} \quad \text{✓}$$

$$f_{(n)} \cdot \frac{r_{n+2}}{n+m} \rightarrow f_{(n)} \cdot 1 = \frac{q+2}{r+m} \Rightarrow \frac{m+2}{r} \Rightarrow f_{(n)} \cdot \frac{r_{n+2}}{n-c} \Rightarrow f_{(n)}^{-1} \cdot \frac{r_{n+2}}{n-c} \quad (\text{and so } \Rightarrow f_{(n)}^{-1} f_{(n)}) \quad (2) - V$$

$$f_{\omega} f_{\omega}^{-1} + f_{\omega}^{-1} = n + \frac{m + \varepsilon}{n - \varepsilon} = n \Rightarrow \frac{m + \varepsilon}{n - \varepsilon} = 0 \Rightarrow n = -\frac{\varepsilon}{\mu} \quad \checkmark$$

$$r - r = t \Rightarrow \frac{r-t}{r} = u \Rightarrow \frac{u}{r} = \frac{r-t}{\varepsilon} \Rightarrow f(t) = r - g\left(\frac{r-t}{\varepsilon}\right) \Rightarrow g\left(\frac{r-t}{\varepsilon}\right) = r - f(t) \Rightarrow g(t) = r - f(r-t) \Rightarrow \textcircled{4} - 1$$

$$\Rightarrow g(n) = r - f(r - \varepsilon_n) \xrightarrow{\text{Duke}} g_n, t \rightarrow f(r - \varepsilon_n) = r - t \rightarrow r - \varepsilon_n = f^{-1}(r - t) = n, \frac{r - f(r + 1)}{\varepsilon}, g_n \rightarrow t = 2, \pi$$

$$g^{-1}(\varepsilon) = \frac{r - f(r)}{\varepsilon} \Rightarrow \varepsilon g^{-1} \approx f(r) \Rightarrow \varepsilon g^{-1} + f(r) = 3 \quad \checkmark$$

$$\Rightarrow \text{قرینه کردن کل عرض} = \text{قرینه نسبت به مبدأ} \Rightarrow -\frac{-\partial n - 1^2}{1+n} = \frac{\partial n + 1^2}{n+1} \longrightarrow \frac{\partial(n-2) + 1^2}{(n-2)+1} - 2 = \rightarrow \textcircled{2} - 4$$

$$\rightarrow \frac{\partial n + 2}{n-1} - 2, \frac{2n+2}{n-1} = f(n) \rightarrow f^{-1}(n) = \frac{n+2}{n-2} \rightarrow f(n), f^{-1}(n) \rightarrow \frac{2n+2}{n-1} = \frac{n+2}{n-2} \Rightarrow 2n^2 + 2n - 1^2 = n^2 + 2n - 2 \Rightarrow$$

$$\Rightarrow n^2 - 2n - 2 = 0 \quad \text{مجموع جبره} = -\frac{b}{a} = -\frac{(-2)}{1} = 2 \quad \textcircled{2} \checkmark$$

$$y = n + \varepsilon[n] \Rightarrow [y] = [n + \varepsilon[n]] = [n] + [\varepsilon[n]] \Rightarrow [y] = \partial[n] \Rightarrow [n] = \frac{[y]}{\partial} \checkmark \quad \xrightarrow{\text{تقسیم}} \frac{y-n}{\varepsilon} = \frac{[y]}{\partial} \Rightarrow \textcircled{-1, \forall \Delta}$$

$$\partial y - \partial n = \varepsilon[y] \Rightarrow n = \frac{\partial y - \varepsilon[y]}{\partial} \Rightarrow f^{-1}(n) = \frac{1}{\partial} y - \frac{\varepsilon}{\partial} [y] = g(n) = y = \frac{1}{\partial} n - \frac{\varepsilon}{\partial} [n] \Rightarrow f_{-g}(n) = n + \varepsilon[n] - \frac{1}{\partial} n + \frac{\varepsilon}{\partial} [n] = \frac{1}{\partial} n + \varepsilon[n]$$

$$f_{-g}(n) = \frac{1}{\partial} n + \varepsilon[n]$$

$$\frac{1}{\partial} n + \varepsilon[n]$$

دقت!