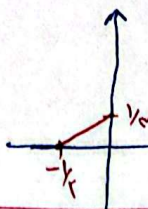


$$f_{\omega} = \frac{r_{n-1}}{r} \Rightarrow \frac{r y_{n-1}}{r} \Rightarrow f_{\omega}^{-1} = \frac{r_{n-1}}{r}$$



$$g = \frac{1}{r} (1/r + k) \Rightarrow \frac{1}{r}$$

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(الف) $f_{\omega} = g(n-1) + 1 \Rightarrow \sqrt{y-2} + 1 = n \Rightarrow f_{\omega}^{-1} = \sqrt{n-2} + 1$

(ب) $f_{\omega} = g(n-1) + 1 \Rightarrow \sqrt{y-2} + 1 = n \Rightarrow f_{\omega}^{-1} = \sqrt{n-2} + 1$

$$f_{\omega} = n - \sqrt{4 - 4n + 4n^2} = n - \sqrt{(n-2)^2} = n - |n-2| \rightarrow n \geq 2 - y \leq x \rightarrow n < 2 \rightarrow y > 4n - 4 \sqrt{1-n} \sim$$

$$f_{\omega} = \{n-2\} \Rightarrow f_{\omega}^{-1} = \frac{n+2}{2} = \frac{n}{2} + 1, \frac{D_{f_{\omega}} \cdot R_{f_{\omega}}^{-1}} \rightarrow \frac{n}{2} + 1 < 1 \Rightarrow n < 2 \Rightarrow f_{\omega}^{-1} = \frac{n}{2} + 1, D_{f_{\omega}^{-1}} = (-\infty, 2]$$

$$\partial_r = \partial_1 = \frac{n_1}{\sqrt{n_1^2 - 2}} = \frac{n_1}{\sqrt{n_1^2 - 2}} \xrightarrow{\sqrt{n_1^2 - 2} > 0, \sqrt{n_1^2 - 2} < 0} \text{معدول می شود} \textcircled{I} \Rightarrow \frac{n_1}{n_1^2 - 2} = \frac{n_1}{n_1^2 - 2} \Rightarrow$$

$$n_1^2 n_1^2 - 2 n_1^2 = n_1^2 n_1^2 - 2 n_1^2 \Rightarrow n_1^2 = n_1^2 \textcircled{II} \Rightarrow n_1 = n_1 \Rightarrow \frac{n_1}{n_1^2 - 2} = \frac{n_1}{n_1^2 - 2} \Rightarrow \frac{n_1}{n_1^2 - 2} = \frac{n_1}{n_1^2 - 2} \Rightarrow \frac{n_1}{n_1^2 - 2} = \frac{n_1}{n_1^2 - 2}$$

$$\varepsilon - 1 + k \gg -\varepsilon + 1 + k \Rightarrow -1 \gg k \Rightarrow k < -1$$

$$f_{\omega} = \frac{r_{n-1}}{r} \Rightarrow f_{\omega}^{-1} = \frac{r_{n-1}}{r} \Rightarrow \frac{r_{n-1}}{r} = \frac{r_{n-1}}{r} \Rightarrow \frac{r_{n-1}}{r} = \frac{r_{n-1}}{r} \Rightarrow \frac{r_{n-1}}{r} = \frac{r_{n-1}}{r}$$

$$f_{\omega} = \frac{r_{n-1}}{r} \Rightarrow f_{\omega}^{-1} = \frac{r_{n-1}}{r} \Rightarrow \frac{r_{n-1}}{r} = \frac{r_{n-1}}{r} \Rightarrow \frac{r_{n-1}}{r} = \frac{r_{n-1}}{r} \Rightarrow \frac{r_{n-1}}{r} = \frac{r_{n-1}}{r}$$

$$f_{\omega}^{-1} + f_{\omega}^{-1} = n + \frac{r_{n-1}}{r} = n \Rightarrow \frac{r_{n-1}}{r} = 0 \Rightarrow n = -\frac{r}{r}$$

$$r - n = t \Rightarrow \frac{r-t}{r} = n \Rightarrow \frac{r}{r} = \frac{r-t}{r} \Rightarrow \frac{r}{r} = \frac{r-t}{r} \Rightarrow \frac{r}{r} = \frac{r-t}{r} \Rightarrow \frac{r}{r} = \frac{r-t}{r}$$

$$\Rightarrow g(n) = r - f(r-n) \xrightarrow{\text{جایگزینی}} g(n) = r - f(r-n) \Rightarrow g(n) = r - f(r-n) \Rightarrow g(n) = r - f(r-n) \Rightarrow g(n) = r - f(r-n)$$

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

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

$$\rightarrow \frac{\partial n + 2}{n-1} - 2, \quad \frac{2n+7}{n-1} = f(n) \rightarrow f^{-1}(n) = \frac{n+9}{n-2} \rightarrow f(n), f^{-1}(n) \rightarrow \frac{2n+9}{n-1} = \frac{n+9}{n-2} \Rightarrow 2n^2 + 2n - 1^2 = n^2 + \partial n - 9 \Rightarrow$$

$$\Rightarrow n^2 - 2n - 9 = 0 \quad \text{مجموع جبره} = -\frac{b}{a} = -\frac{(-2)}{1} = 2$$

$$y = n + \varepsilon[n] \Rightarrow [y] = [n + \varepsilon[n]] = [n] + [\varepsilon[n]] \Rightarrow [y] = \partial[n] \Rightarrow [n] = \frac{[y]}{\partial} \quad \xrightarrow{\text{تقریب}} \quad \frac{y-n}{\varepsilon} = \frac{[y]}{\partial} \Rightarrow \quad 1.$$

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

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