

$$-2 \leq \frac{3n+2}{5} \leq 2 \rightarrow -10 \leq 3n+2 \leq 10 \rightarrow -12 \leq 3n \leq 8 \rightarrow -4 \leq n \leq \frac{8}{3} \quad (2)$$

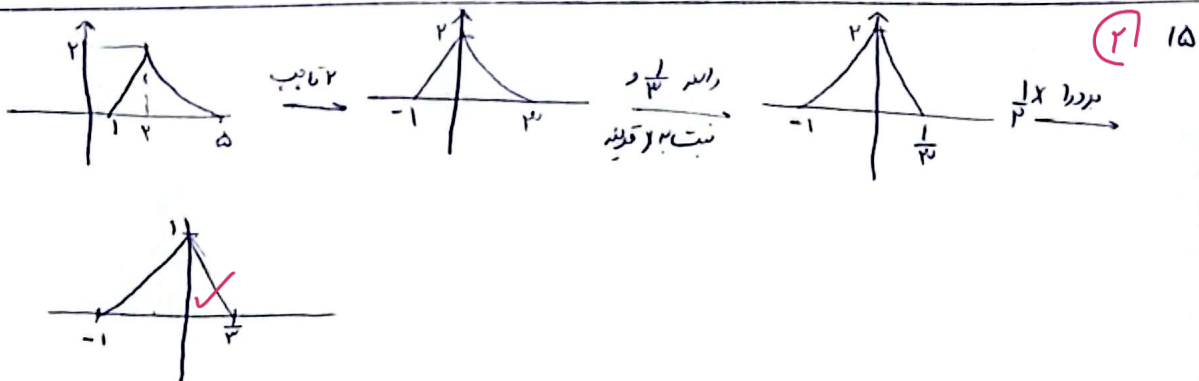
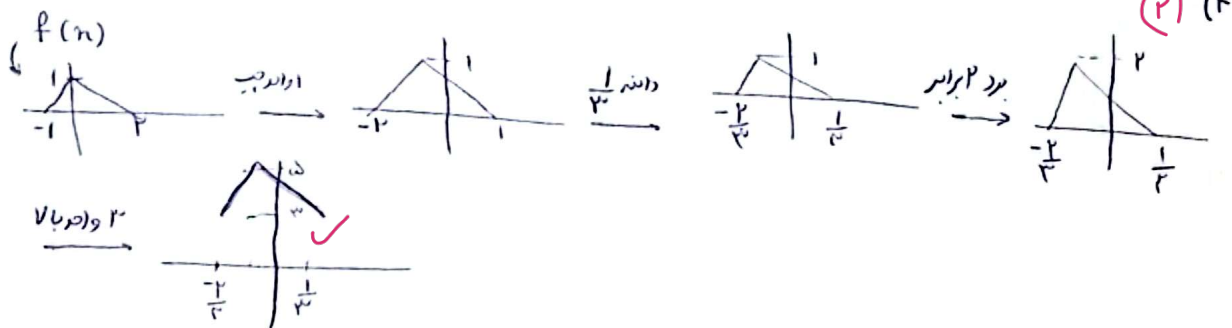
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$$f(3n+1), D = [-2, 3] \rightarrow \begin{matrix} n = -2 \rightarrow -\frac{5}{3} \\ n = 3 \rightarrow \frac{10}{3} \end{matrix} \rightarrow [-\frac{5}{3}, \frac{10}{3}] \quad (2) (14)$$

$$f\left(\frac{3n+1}{2}\right) \rightarrow \frac{3(-1)+1}{2} = -1, \frac{3(3)+1}{2} = 5 \rightarrow [-1, 5] \quad (2) (13)$$

$$-1 \leq 2 - 5n < 5 \rightarrow -3 \leq -5n < 3 \rightarrow -\frac{3}{5} < n \leq \frac{3}{5} \quad (2)$$

$$2f(3n+1) + 3$$



(2) 7

$$a(n-n_s)^r + y_s$$

$$\frac{1}{p}(n-f)^r + r = y^0 \rightarrow (n-f)^r = q \rightarrow n-f = r \rightarrow n = r$$

$$\rightarrow n-f = -r \rightarrow n = 1$$

(2) V

$$-1 \leq r\lambda + r \leq r \xrightarrow{-r} -r \leq r\lambda \leq 1 \rightarrow -1 \leq \lambda \leq \frac{1}{r}$$

$$\sim n_s = \frac{-1 + \frac{1}{r}}{r} = \left(-\frac{1}{r}\right) \sim y_s = \left(\frac{r}{r}\right) \rightarrow (\alpha, \beta) = \left(-\frac{1}{r}, r\right)$$

$$\alpha\beta = -\frac{1}{r} \times r = -1$$

(2) A

$$a < n-1 \leq f \xrightarrow{+1} a+1 < n \leq \Delta$$

$$-1 \leq n+1 < b \xrightarrow{-1} -r \leq n < b-1$$

$$\left. \begin{array}{l} a+1 < n \\ -r \leq n \end{array} \right\} \rightarrow (-r, \Delta)$$

$$a+1 = -r$$

$$b-1 = \Delta \rightarrow b = r$$

$$a-b = -r - r = -2r$$

(2) 9

$$R_f \rightarrow [-1, r] \xrightarrow{\times r} [-r, f] \xrightarrow{-r} [-\Delta, 1] \xrightarrow{11} [0, \Delta] \xrightarrow{\sqrt{\cdot}} [0, \sqrt{\Delta}]$$

$$D_f \rightarrow -\frac{r}{r} + 1 = -\frac{1}{r} \sim [-\Delta, \Delta]$$

$$\frac{\Delta}{r} + 1 = \frac{r}{r}$$

(2) 1.

$$\left| \frac{n-1}{r\lambda-r} \right| + 1 + n < 0 \rightarrow \left| \frac{n-1}{r\lambda-r} \right| < -n-1 \quad -n-1 > 0 \rightarrow n < -1$$

$$\Rightarrow \left| \frac{n-1}{r\lambda-r} \right| \sim |1-n| \xrightarrow{+0.5} n+1 + \frac{1-n}{r-r\lambda} < 0 \rightarrow (n+1)(r-r\lambda) + n < 0$$

$$\left| \frac{n-1}{r\lambda-r} \right| \sim r-r\lambda$$

$$\sim -r\lambda + r < 0 \sim r\lambda > r \rightarrow n < -\sqrt{r} \rightarrow (-\infty, -\sqrt{r})$$

$$\text{for } \lambda > \sqrt{r}$$