

شک : $D_f = [-2, 4]$

$$\rightarrow f\left(\frac{r_n+2}{5}\right) \rightarrow -2 \leq \frac{r_n+2}{5} \leq 2 \xrightarrow{\times 5} -10 \leq r_n+2 \leq 10$$

$$-12 \leq r_n \leq 18$$

$$-2 \leq r_n \leq 4 \rightarrow D_{f'}: [-2, 4]$$

$f(r_n-2) \rightarrow D_f: -2 \leq r_n \leq 2 \rightarrow -4 \leq r_n \leq 4$

$$-8 \leq r_n-2 \leq 6 \rightarrow \text{شک: } [-8, 6] = D_{f(n)}$$

$D_{f\left(\frac{r_n+1}{2}\right)} = [-1, 5] \rightarrow -1 \leq r_n < 5 \rightarrow -2 \leq r_n < 4$

$$-2 \leq r_n+1 < 10$$

$$-1 \leq \frac{r_n+1}{2} < 5 \rightarrow D_{f(n)}: [-1, 5]$$

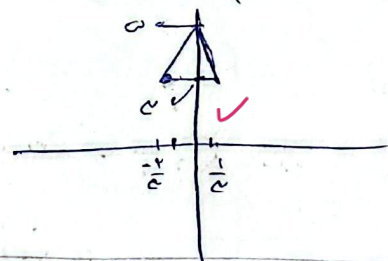
$D_{f(r-5n)}: -1 \leq r-5n < 5$

$$-5 < 5n-2 \leq 1 \rightarrow -3 < 5n \leq 3 \rightarrow -\frac{3}{5} < n \leq \frac{3}{5} \rightarrow D_{f(r-5n)}: \left(-\frac{3}{5}, \frac{3}{5}\right]$$

$D_{f(n)} = [-1, 2] \rightarrow D_{f(r_{n+1})}: -1 \leq r_{n+1} \leq 2$

$$-2 \leq r_n \leq 1 \rightarrow -\frac{2}{5} \leq n \leq \frac{1}{5}$$

$R_{f(n)} = [0, 1] \rightarrow R_{2f+3} = 2 \times [0, 1] + 3 = [3, 5]$



$D_{f(n)}: [1, 5] \rightarrow D_{f(r-r_n)}: 1 \leq r-r_n \leq 5$

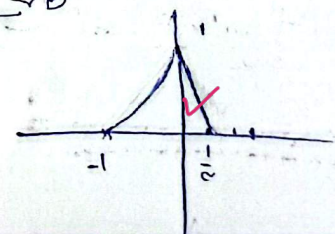
$$-5 \leq r_n-2 \leq -1$$

$$-3 \leq r_n \leq 1 \rightarrow$$

$$-1 \leq n \leq \frac{1}{5}$$

$R_{f(n)}: [0, 2] \rightarrow R_{\frac{1}{2}f}: [0, 1]$

چون مقدر آریس ضرب شد. مقدر نسبت به مقدر آریس



④

7

①
② ✓

7

✓

9

$\wedge$

④

9

9

10

