

$|x-r|-1 \leq \pm K \Rightarrow |n-r| \leq \frac{K+1}{-K+1} \Rightarrow n \leftarrow \begin{matrix} K+1 \\ -K+1 \\ -K+1 \\ K+1 \end{matrix}$

-2

$K+1 > -K+1 \Rightarrow K > 0$
 $K+1 > -K+1 \Rightarrow K > 0$
 $K+1 > -K-1 \Rightarrow K > -1$
 $K+1 > -K+1 \Rightarrow K > 0$

$K+1 > -K+1 \Rightarrow K > 0$
 $K+1 > -K+1 \Rightarrow K > 0$
 $K+1 > -K-1 \Rightarrow K > -1$
 $K+1 > -K+1 \Rightarrow K > 0$

$K=1$

$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$

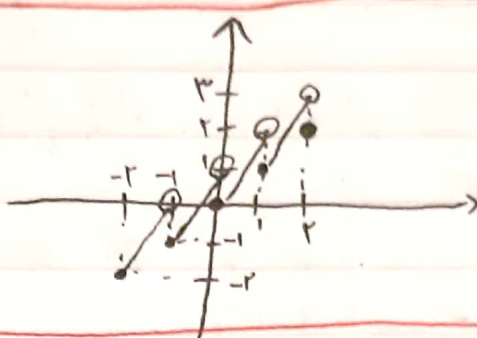
$n = [-1, -1) \rightarrow n+1$

$n = [-1, 0) \rightarrow n+1$

$n = [0, 1) \rightarrow n$

$n = [1, 2) \rightarrow n-1$

$n = \{2\} \rightarrow n-1$



-3

$y = \frac{n-r-\varepsilon n+r}{n+a} + b = n \Rightarrow$

-4

$n-r = n-1+b \Rightarrow b=1, a=-1$
 $n-1 = n-r+b \Rightarrow b=1, a=-1$

$n+r-n-1 \frac{n-1}{n+r}$

$g(n) = n+r = n+r \Rightarrow r=1$

-5

$g(n) = n+r = \frac{an+r}{n+b} \xrightarrow{n \rightarrow \pm 1} g$
 $x > 1 \rightarrow \frac{1+r}{1+b} = \frac{a+r}{1+b} \Rightarrow a = r+b+1$
 $x = -1 \rightarrow \frac{-1+r}{-1+b} = \frac{-1+a}{-1+b} \Rightarrow a = r-b$

$a = r+b+1 = r-b \Rightarrow b = \frac{r}{2} \Rightarrow a = r, b = \frac{r}{2} \Rightarrow b+c = r + \frac{r}{2} = \frac{3r}{2}$

۸- از جایگاه معصا ۱ و ۲ (دوین و سون) می‌رسد (=

$$f_w = \sqrt{\varepsilon_n - \varepsilon} + k - 1 \quad | \quad g_w = \sqrt{\varepsilon - \varepsilon_n} + r - k \quad | \quad f_w g_w = r(k-1) - (k-1) = k \Rightarrow$$

$$\underline{k = -1} \Rightarrow r - \frac{1}{r} - k = r(\frac{1}{r}) - (\frac{1}{r}) - (-1) = \underline{\varepsilon} \rightarrow \varepsilon_w$$

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$$f - g(r) = \sqrt{4V - r} + n - \sqrt{10(r) + r} = 9\sqrt{r} \Rightarrow n = 9\sqrt{r} + r\sqrt{r} - r = \underline{\underline{1\sqrt{r} - r}}$$

$$x = (-r, -1), \quad x - r = y_r \Rightarrow x = y_r + r$$

$$n \rightarrow [0, 1) \rightarrow n - \frac{1}{r}$$

$$u = (1, 2) \rightarrow u + \frac{1}{r}$$

$$n \geq 1 \rightarrow n + \frac{1}{n}$$

