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$$r = \sqrt{r_n} \xrightarrow{+1} r = \sqrt{r(n+1)} \xrightarrow{x-1/2} \sqrt{r_{n+1}} - r \xrightarrow{+2\gamma} -r$$

$$\sqrt{r_{n+1}} + r \rightarrow \sqrt{r_{n+1}} + 1.5 \frac{1}{r} \Rightarrow \sqrt{r_{n+1}} = \frac{1}{r} \Rightarrow r_{n+1} = \frac{1}{r^2}$$

$$r_n = k_2 \Rightarrow n = k_1$$

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$$Df_n = (a, 2] \Rightarrow Df_{n+1} = (a+1, 2]$$

$$Dg_n = [-1, b) \Rightarrow Dg_{n+1} = [-2, b-1)$$

$$Df_{n+1} \cap Dg_{n+1} = (-2, 2) \Rightarrow a+1 = -2 \Rightarrow a = -3$$

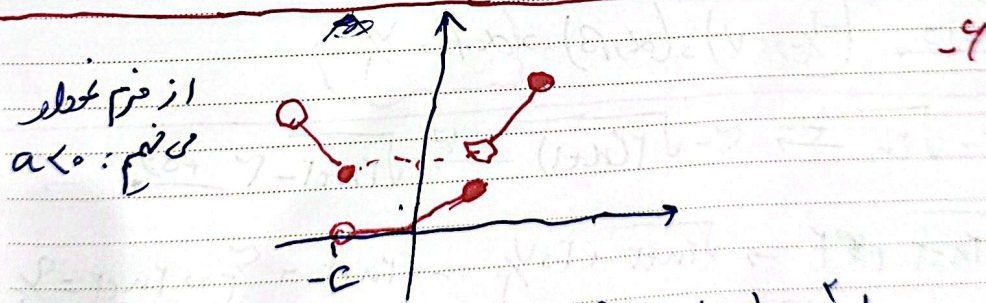
$$b-1 = 2 \Rightarrow b = 3 \Rightarrow a-b = -3-3 = -6$$

$$Df_{n+1} = [-2, 2] \Rightarrow Df_n = [-3, 2]$$

عبارت زیر را به صورت خطی بنویسید

$$Rf_n = [-1, 2] \Rightarrow Rf_n - 2 = [-3, 0] \Rightarrow |2f_n - 2| = 0$$

$$\sqrt{|2f_n - 2|} = 0 = R_1$$



$$\frac{-c}{a} \times a \pm (-c) = c^2 - \frac{1}{4} \Rightarrow c = \frac{1}{2}$$

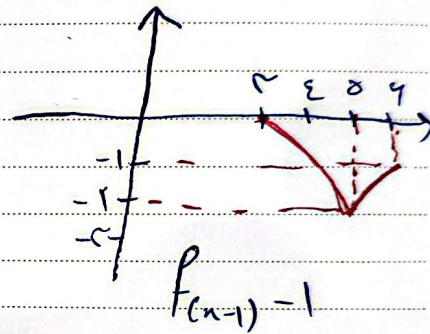
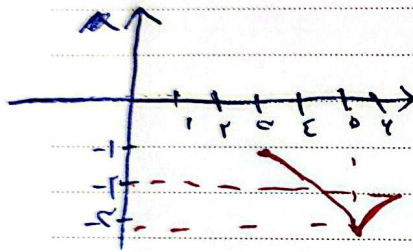
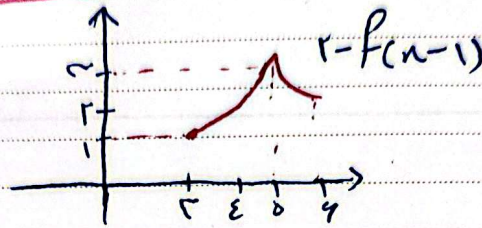
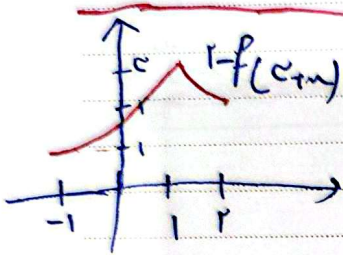
$$a \pm 1 \Rightarrow a = 2$$

$$b = a + 1 = 3$$

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$$g_r^n \rightarrow g_r^{n+1} \rightarrow -g_r^{n+1} \rightarrow -g_r^{n+1} + r \rightarrow -\sqrt{r}$$

$$\rightarrow -g_r^{n+1} + r \Rightarrow g_{(-1)} + 3(-4r)^{-1} + (-1) + (-1) = -2$$



$$\left| \frac{n-1}{n-2} \right| + 1 \leq g(n) \rightarrow n+1 + \left| \frac{n-1}{n-2} \right| < 0 \Rightarrow$$

$$n+1 < \frac{n-1}{n-2} < -n-1 \Rightarrow \frac{-n+1}{n-2} < \frac{-n+1}{n-2} \Rightarrow \frac{1-\sqrt{5}}{2} < \frac{1+\sqrt{5}}{2}$$

$$\text{حاصل: } (-\infty, \frac{1-\sqrt{5}}{2}) \cup (\frac{1}{2}, \frac{1+\sqrt{5}}{2}) \quad \textcircled{II}$$

$$\text{نتیجه} \rightarrow \frac{n^2-2}{n-2} < 0 \Rightarrow \frac{-n+1}{n-2} < 0 \Rightarrow \frac{1-\sqrt{5}}{2} < \frac{1+\sqrt{5}}{2}$$

$$\textcircled{I} \cap \textcircled{II} = (-\infty, -\sqrt{2})$$

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$$f(n) = \frac{2V}{\Lambda} n^{\sim}$$

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$$-f_+ \cap f_+ \Rightarrow \circ \cdot f_+ \cap \Rightarrow \circ \cdot \frac{2V}{\Lambda} n^{\sim} \cap \Rightarrow$$

$$\Rightarrow \circ \cdot n^{\sim} \cap \frac{2V}{\Lambda} \sim \rightarrow \cdot n^{\sim} \cap \{0, 1, 2\}$$

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