

$$P(a) = P_X \vee P(a+1) = 15a + 14 = 5a - 4 \Rightarrow a = -1, 1$$

$$f(-1) + a = 5a - 4$$

در دو معادله هم نشد

$$\sqrt{1-x} = n \sqrt{1+x} = y$$

$$P(n+1) = 2(n+y+1)$$

$$n = \frac{1}{y} \quad (n+y)^2 = n+y = 1 \Rightarrow 1 \sqrt{1+x} = 1$$

$$f(n) - f(-n) = n^2 - 1$$

$$f(-n) - f(n) = -n^2 + 1$$

$$f(n) = n^2 + 1 \Rightarrow f(n) = -n^2 - 1$$

$$n \rightarrow P(f(n)) = n^2 - 1$$

$$n \rightarrow f(f(n)) = 1 + n^2 - 1 \quad \left. \begin{array}{l} P_{m+1} = f(f(n)) \Rightarrow f(n) = \frac{P_n}{2} \end{array} \right\}$$

$$P = \frac{C_{m+1}}{P_{m-1}} \Rightarrow P_{m-1} = C_{m+1} \Rightarrow C_m = 1 \Rightarrow P = 1$$

$$a_n + b + \frac{c}{n} = \frac{a n^2 + 1 b n + c}{n} = \frac{n^2 - 1 n + 1}{n} \Rightarrow$$

$$g = a n + b \quad a = 1, b = -1 \Rightarrow P_n - 1 = -1 \Rightarrow P = 1$$

$$Df = Dg \quad \text{و} \quad f = g$$

$$D = [-\infty, 1]$$



Senobar

$$n - |n| \geq 0 \rightarrow n \geq |n|$$

Page: ()

SUBJECT:

Year: Month: Day:

$$Df = Dg, \text{ " " } \rightarrow f = g \quad \text{①}$$

$n \geq 0$

$$g(n) = 0 \quad [0, +\infty)$$

$$f(n) = [\sqrt{n}] - [\sqrt{n}] = 0 \rightarrow Df = \text{ }, Dg = [0, +\infty) \quad \text{②}$$

~~$$Df = Dg \rightarrow f = g$$~~

الف) $\frac{r+1}{r-1}$ ~~ع~~ ③

$$\rightarrow \frac{r+r}{r-r} = \frac{2}{0} \rightarrow \text{ } \quad \text{④}$$

$$ج) f(6) \times g(-1) = 0$$

الف) $g(n) = \left\{ (1, 1), (0, 1), \left(\frac{1}{2}, 1\right), \left(\frac{1}{3}, 1\right), \left(\frac{1}{4}, 1\right) \right\}$ ⑤

ب) $h(n) = \left\{ (1, 1), (-1, 1), (0, 1), \left(\frac{1}{2}, -1\right), \left(\frac{1}{3}, -1\right) \right\}$ ⑥