

برای اطمینان از رسم صحیح \$A\$، شرط تکلیف 4

2

$$r(a+1)(u) = ra - r + a$$

$$1(a+1)r = ra - r \Rightarrow a = -1, n$$

$$f(r-r) = \sqrt{r-r} \cdot \frac{1}{\sqrt{r-r}} = \sqrt{r-r} + \sqrt{r-r} + r$$

2

$$f(r+r) = \sqrt{r+r} \cdot \frac{1}{\sqrt{r+r}} = \sqrt{r+r} + \sqrt{r+r} + r$$

$$\begin{aligned} \xrightarrow{1r} Ar &= r(r+\sqrt{r}+r-\sqrt{r+r}) + r(\sqrt{r+r} + \sqrt{r-r}) = A \\ &= A = \sqrt{r} \leq r\sqrt{4} \\ &\text{باب} = r + r\sqrt{4} \end{aligned}$$

$$rf(a) - rf(-a) = \varepsilon a^{r-1}$$

$$\begin{aligned} \times \frac{r}{r} \left(\begin{aligned} rf(a) - rf(-a) &= \varepsilon a^{r-1} + a \\ rf(a) - rf(-a) &= 4a^{r-1} + \frac{r}{r}a \end{aligned} \right) \end{aligned}$$

$$\begin{aligned} -rf(a) &= \log r + \frac{1}{r}a \\ f(a) &= -\log r - \frac{1}{r}a \end{aligned}$$

3

$$n = -r \rightarrow \frac{f(r)}{r} = \frac{f(0)}{r} = \frac{r(-r)^r - (-r)^m + r_{m-1}}{r}$$

4

$$\begin{aligned} \hookrightarrow rf(a) &= \frac{1}{r} + am \Rightarrow rf(a) = \frac{a}{r}m + \frac{1}{r} \\ rf(a) &= r_{m-1} \end{aligned}$$

$$n=0 \Rightarrow rf(a) - \frac{r(a)}{r} = \frac{r(a)}{r} - \frac{m(a)}{r} + r_{m-1} \quad rf(a) = r_{m-1}$$

$$\Rightarrow f(a) = \frac{1}{r} \frac{(r_{m-1})}{r} = \frac{1}{r} \frac{r_{m-1}}{r} = \frac{1}{r} \frac{r_{m-1}}{r}$$

$$r_{m-1} \leq \frac{a}{r}m + \frac{1}{r}$$

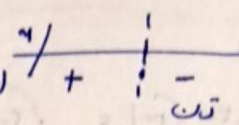
$$\frac{r}{r}m \leq 4 \quad m \leq \frac{r}{r} \frac{a}{r}$$

$$am + b + \frac{a}{n} + b = \frac{r_{m-1}r - 1r_{m-1}r}{n}$$

5

$$\begin{aligned} \hookrightarrow r_{m-1}r + \frac{r}{n} &= am + \frac{a}{n} + r \Rightarrow a = r \\ r \leq -1r \quad b &= -4 \end{aligned}$$

$$\hookrightarrow f(m) = r_{m-4} \quad f(-1) = -r - 4 = -9$$

① ضابطه $f(x) = (x-1)\sqrt{1-x}$
 $g(x) = -\sqrt{(1-x)^3} = -|1-x|\sqrt{1-x}$
 گ $g(x)$ کد منفی است
 $a > x < 1 \Rightarrow (x-1)\sqrt{1-x}$
 $Dg =$ 
 $Dg = Df = (-\infty, 1]$
 ضابطه کد اوج می شود
 در بازه از آن و آنجا

$Df = [0, \infty)$ $f(x) = x\sqrt{x}$
 $Dg = [0, \infty)$ $g(x) = |x|\sqrt{x} \Rightarrow x\sqrt{x}$
 ($x \geq 0$)
 بلبریتند
 زیرا ضابطه دامنه آن یکسان است

$Df = [0, \infty)$ $a \leq a - [a] < 1 \Rightarrow [a - [a]] = 0$
 $f(x) = [\sqrt{x} - [\sqrt{x}]]$
 $g(x) = \sqrt{x - |x|}$ $x - |x| \geq 0$ $|x| \leq x$
 $a > Dg = Df$ $x \in [0, \infty)$ $x = 2$
 $f(x) = [\sqrt{x} - [\sqrt{x}]]$
 بلبریتند
 ؟ مگر کد آن کد
 بلبریتند
 موقت است

$g = \{(-1, 1), (1, 1), (2, 2), (3, 2), (4, 2), (\sqrt{7}, 1)\}$
 $f = \{(1, 2), (2, 2), (3, 1), (4, 0)\}$
 الف) $\frac{f(1) + g(1)}{f(1) - g(1)} = \frac{2 + 1}{2 - 1} = 3$ ب) $\frac{f(2) + g(2)}{f(2) - g(2)} = \frac{2 + 2}{2 - 2} = \infty$
 2.) $f(0)g(-1) = (0) \times 1 = 0$

$f(x) = \{(2, 1), (-1, 2), (0, 4), (-2, 2), (3, -1)\}$
 $g(x) = \{(1, 1), (0, 2), (\frac{1}{2}, 4), (\frac{-1}{2}, 2), (\frac{3}{2}, -1)\}$
 ب) $h(x) = f(|x|) = \{(2, 1), (1, 2), (0, 4), (3, -1)\}$
 $h(x) =$
 یعنی بازه 2- و بعد 2 به دست می آید
 $h(x) = \{(2, 1), (0, 4), (3, -1), (-2, 1), (-3, -1)\}$