

343 N613

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$$1+a+b=0 \rightarrow a+b=0$$

(1)

$$2-a+b=0 \rightarrow a-b=2$$

$$\downarrow$$

$$\rightarrow \frac{r}{a} = 0 \quad b = -r/0$$

$$\frac{-r/0}{r} = -r/0$$

$$[-r/0] = -r$$

(2)

$$\tan \frac{r\pi}{\epsilon} = (-1)$$

(3)

$$(x+r)(x-1) = \frac{-r}{+/-/-/+} \quad \frac{x^2+x-r}{a-ax} = \frac{rx+1}{-a} = \frac{r}{-a} = (-1) \rightarrow a=r$$

~~11/11/11~~

$$\frac{r+d-r}{r(1-d)} = \frac{r}{-r} = \frac{1}{-1} = \frac{r}{r}$$

(4)

$$1.b = \frac{r}{r} \rightarrow b = \left(\frac{r}{r}\right) \checkmark \rightarrow ab = \frac{r}{1} \checkmark$$

$$a[a]$$

(5)

$$P(n) = a[n] + a + b[a] + b + b[n]$$

$$P_m = a + b([n] + 1) + b[a] \rightarrow a + b = \frac{a}{-a} = -b$$

$$P_m = b[a] \rightarrow \frac{a[a]}{P(n)} = \frac{a}{b} = \frac{a}{-a} = (-1)$$

$$b = 0 \rightarrow f(b) = -r$$

$$\frac{a}{f(b)} = \frac{a}{-ra} = -1/r$$

$$ar + (ma) + n = 0 \rightarrow ar - ra - ra^r + ra = \underline{a=r}$$

$$\frac{ra+m}{-1} = r \quad \underline{ra+m = -r} \quad m = \underline{-ra-r} = \underline{-9}$$

$$ra^r + r(am) + n = 0$$

$$\frac{ra(ra+m)}{-r} + n = 0 \rightarrow n = +ra \rightarrow n = r$$

$$\underline{n+r=12}$$

$$1-a = ra^r - 1 \rightarrow ra^r + a - r = 0 \rightarrow \underline{a = -1}, r/r$$

$$r/r([n] + [-n]) = n \neq 2 \rightarrow r/r([n] + [-n]) = -r/r$$

$$b \sin\left(\frac{r}{r}\pi\right) = -b = +r/r \rightarrow b = r/r, a = r/r$$

$$a/b = r$$

$$\frac{r^r + mra - m - 1}{mra^r - m + r - 1} = \frac{rm + m}{rmr + 1} = \frac{r+m}{rm+1} = \frac{m}{r+m}$$

$$r + rm + m^r = rm^r + m$$

$$m^r - rm - 2 \quad (m-r)(m+1)$$

$$\underline{m = -1} \times m = 2$$

$$\frac{r^r + rm - 2}{r(|a^r-1| + |a-1|)} = \frac{1}{1} + \frac{1-2}{1} = \frac{4r}{14} = \frac{2r}{7}$$

$$\frac{4r}{14} = \frac{2r}{7}$$

$$ar + a = -1 \quad \underline{a = -1}$$

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$$ar + (m-r)a + ar \rightarrow a(a^r + a + m-r)$$

$$1/r \sqrt{m^2 + r^2} \quad |a| = 1/m \quad m = 1/r$$

$$a = -1/r \quad \text{---} \quad \frac{1}{r} \times \frac{1}{r} + \frac{1}{r} = \frac{m}{r} \quad \text{---} \quad \frac{1}{r} + (m-r) + 1 = \underline{m=r}$$

$$\frac{ar + a}{ar + a} = \frac{a(a+1)}{a(a+1)} = \underline{\frac{1}{a}}$$

1.

$$\frac{1}{a} = \frac{ra-1}{ra+r} \rightarrow rar - a = ra + r \rightarrow rar - ra - r = 0$$

$$\underline{a=r} \quad \underline{a=-1/r}$$

$$\lim_{a \rightarrow -r} \frac{f(a)}{g(a)}$$

$$\frac{f(r) + f(-1/r)}{g(r) + g(-1/r)} = \frac{f(r)}{g(r)}$$

$$\lim \frac{1}{r}$$

$$\frac{\frac{1}{r} + \frac{1}{r}}{\frac{1}{r} + r \times \frac{1}{r}}$$

$$= \frac{\frac{2}{r}}{\frac{1}{r} + 1} = \underline{\frac{2}{1+r}}$$

$$= \underline{\frac{2}{1+r}} \quad \text{---} \quad \frac{1}{r} = a$$

عدد a باید تنها ریشه‌ی زیر را باشد و مخرج را هم صفر نکند!

$$\Delta = 0 \rightarrow (m+r)^2 - 4 \times 4 \left(\frac{m}{r}\right) = m^2 - 4m + 4 = 0 \rightarrow \underline{m=2}$$

$$\lim_{n \rightarrow a} \frac{\sqrt{4(n^2 + \frac{1}{4})}}{|r n^2 + a|} = \frac{\sqrt{4|n + \frac{1}{4}|}}{|r n^2 + a|} \rightarrow rar + a^2 = 0 \rightarrow a=0 \quad (\text{مخرج صفر نشود و حدت عدد است})$$

$$\hookrightarrow a = -\frac{1}{r} \rightarrow \frac{\sqrt{4|n + \frac{1}{4}|}}{|r n^2 + a|} = \frac{2\sqrt{r}}{r}$$

$$\frac{r \tan b}{\sqrt{-1(-\frac{1}{r})}} = \frac{2\sqrt{r}}{r} \rightarrow \tan b = \sqrt{\frac{r}{-1(-\frac{1}{r})}} \rightarrow b = \underline{\frac{\pi}{4}}$$