

$$4n^2 + (m+5)n + \frac{m}{4} = \frac{m^2}{4}$$

$$m=0$$

$$\Delta < 0 \quad m^2 + 9 + 4m - 12m < 0$$

$$(m+9) < 0$$

$$f(n) = \sqrt{4n^2 + 4m + 9}$$

$$2n^2 + 9$$

$$n \rightarrow \infty$$

$$\frac{12n+9}{2\sqrt{4n^2+4m+9}}$$

$$D - a + b = 0$$

$$1 + a + b = 0$$

$$a + b = -1$$

$$b - a = -2$$

$$2b = -3 \Rightarrow b = -\frac{3}{2}$$

$$\left(-\frac{3-1}{2} \right) = \left(-\frac{2}{2} \right) = -1$$

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

$$a=3$$

$$\lim_{n \rightarrow \infty} \frac{f(n)}{n} = \frac{1}{a} = \frac{1}{3}$$

$$\frac{1}{3} = \frac{1}{b} \Rightarrow b = \frac{3}{1} = 3$$

$$\lim_{n \rightarrow \infty} \frac{f(n)}{n} = \frac{1}{a} = \frac{1}{3}$$

$$\lim_{n \rightarrow \infty} f(n) = \frac{1}{b} = \frac{1}{3}$$

$$a(n) + a + b(n) + b(a) + b$$

$$a = -b$$

$$a[a]$$

$$\frac{a[a]}{a[a] + a - a[a]} = \frac{a[a]}{a[a] - a} = -1$$

اگر فقط زمانی که a برابر صفر باشد

$$\frac{a}{f(b)} = \frac{a}{-2a} = -\frac{1}{2}$$

$$\lim_{x \rightarrow a} f(x) = \frac{x^r + mx + n}{a - x} = y \rightarrow$$

$$0/0, \infty/\infty, (x-a)^r \cdot f(x) \rightarrow$$

$$(x-a)(x-a) = x^2 + mx + na^r = x^r + mx + n$$

$$\lim_{x \rightarrow a} f(x) = y \rightarrow \frac{(x-a)(x-a)}{(a-x)} = a = r \quad m = -r \quad n = 1 \quad a-m = (1/r)$$

$$1-a = (a^r - 1) \Rightarrow (a^r + a - 1) \quad a = -1 \quad a = \frac{r}{r}$$

$$b \sin(\frac{1}{a}) = 1 \rightarrow a = \frac{r}{r} \quad b = 1$$

$$\frac{a}{b} = \frac{r}{r}$$

$$\lim_{m \rightarrow \infty} \frac{1+m}{m+1} = \frac{1}{1} = 1 \quad \frac{r+m}{r+m+1} = \frac{m}{m+1} \quad m^r + f(m) = r m + n$$

$$\lim_{m \rightarrow \infty} f(m) = \frac{r+m}{m+1}$$

$$m = r \quad \lim_{m \rightarrow \infty} f(m) = \frac{1+r+1-1}{r} = 1$$

$$m = r \quad \frac{(1/r + 1 - 1) = 1/r}{1/r + 1} = \frac{1/r}{1/r + 1}$$

$$x^r + a = b \quad m = r \quad \lim_{m \rightarrow \infty} f(m) = \frac{r+m}{m+1}$$

$$u = \frac{1}{x} \rightarrow \frac{m+1}{m+1}$$

$$\sqrt{r} |x+1| = \frac{\sqrt{r}}{m^r(x+1)} = \sqrt{r}$$

$$\lim_{x \rightarrow \infty} f(x) = \frac{x^r + x}{x^r + a} = \frac{x+1}{x+a} = \frac{1}{a}$$

$$\lim_{x \rightarrow \infty} f(x) = \frac{x^r - x}{x^r - a} = \frac{x-1}{x-a} = \frac{1}{a}$$

$$\lim_{x \rightarrow \infty} f(x) = \frac{1/r + 1}{1/r + 1} = \frac{1}{1} = 1$$

$$\lim_{x \rightarrow \infty} f(x) = \frac{r a - 1}{r a + r} = \frac{1}{a}$$

$$r a^r - a = r a + r \quad r a^r - r a \rightarrow a^r - a - r \quad a = r \quad a = -1 \quad (a-r) \quad (a-r) = -1$$

$$\lim_{x \rightarrow \infty} f(x) = \frac{r+1}{r-1} = \frac{1}{r-1}$$