

$$\frac{r f(r) - f(-1)}{f'(r)} = \frac{r + \Delta}{1} = \Delta$$

$$f(r) = 1 \rightarrow r f(r) = r$$

$$f(-1) = \Delta$$

$$r_n = r$$

$$(r)^r - r \times r + 1 = 1$$

$$f(-1) \rightarrow r = -1$$

$$(-1)^r - r(-1) + 1 = \Delta$$

$$\frac{r f(r) - r f(-r)}{f'(r)} = \frac{r \Delta}{1} = \Delta$$

$$n = r$$

$$r \times r + 1 = 1^r$$

$$n = -r \rightarrow n < r$$

$$(-r)^r = r$$

$$f(r) \Rightarrow r \times r + 1 = \Delta$$

$$\frac{f(f(r)) - f(f(r))}{f'(r) - r} = \frac{0}{\Delta}$$

$$(n+r)^r = n^r + \Delta n + \Delta$$

$$\frac{(n+r)^r + \Delta}{(n+r)^r + 1} = \frac{(\sqrt{r})^r + \Delta}{(\sqrt{r})^r + 1}$$

$$\frac{r + \Delta}{r + 1} = \frac{\Delta}{\Delta} = r$$

$$\frac{(r)^r + \Delta}{(r)^r + 1} \rightarrow \frac{r}{1}$$

$$n^r + \frac{1}{n^r} + r \rightarrow (n + \frac{1}{n})^r$$

$$(n + \frac{1}{n})^r - r$$

$$f(n) \rightarrow \left(\frac{n^r + 1}{n} \right) - r$$

$$f(\sqrt{n}) \rightarrow \left(\left(\frac{n+1}{\sqrt{n}} \right)^r - r \right)$$

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

$$\downarrow$$

$$n^r + \frac{1}{n^r} + r$$

$$\frac{r f(r) - f(-1)}{f'(r)} = \frac{r + \Delta}{1} = v$$

$$f(r) = 1 \rightarrow f(-1) = 1$$

$$f(-1) = \Delta$$

$$n = r$$

$$(-1)^r - r \times r + 1 = 1$$

$$(-1)^r - r(-1) + 1 = \Delta$$

$$\frac{r f(r) - r f(-r)}{f'(r)} = \frac{r \Delta}{v} = \Delta$$

$$n = r$$

$$r \times r + 1 = 1^r$$

$$n = -r \rightarrow n < r$$

$$(-r)^r = r$$

$$f(r) \Rightarrow r \times r + 1 = v$$

$$\frac{f(f(\varepsilon)) - f(f(r))}{f'(1) - r} = \frac{0}{\varepsilon}$$

$$(n+r)^r = n^r + \varepsilon n + \varepsilon$$

$$\frac{(n+r)^r + \Delta}{(n+r)^r + 1} = \frac{(\sqrt{r})^r + \Delta}{(\sqrt{r})^r + 1}$$

$$\frac{r + \Delta}{r + 1} = \frac{\Delta}{\varepsilon} = r$$

$$\frac{(r)^r + \Delta}{(r)^r + 1} \rightarrow \frac{r}{1v}$$

$$n^r + \frac{1}{n^r} + r \rightarrow (n + \frac{1}{n})^r$$

$$(n + \frac{1}{n})^r - r$$

$$f(n) \rightarrow \left(\frac{n^r + 1}{n} \right) - r$$

$$f(\sqrt{n}) \rightarrow \left(\left(\frac{n+1}{\sqrt{n}} \right)^r - r \right)^r$$

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

$$n^r + \frac{1}{n^r} + r$$