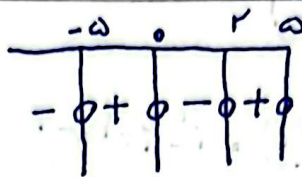


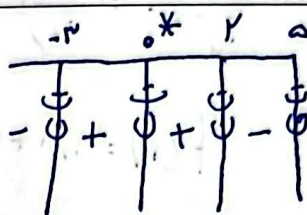
$$y = \sqrt{x f(x)} \Rightarrow x f(x) \geq 0$$

$$D_f = [-\infty, 0] \cup [r, \infty]$$



$$y = \sqrt{\frac{-x}{f(x)}} \rightarrow \begin{matrix} \hat{y} = 0 \\ x = \omega, \tau, 0, -\tau \end{matrix}$$

$$Df = (-r, 0) \cup (0, r)$$



$$f(x) - \Gamma f(r) = x^r - \Gamma x + \varepsilon$$

$$f(r) - rf(r) = (r)^r - r \times r + \varepsilon = \varepsilon - r + \varepsilon \Rightarrow r = -f(r)$$

$$f(-r) - \underbrace{rf(r)}_{+\varepsilon} = (-r)^r - r\chi(r) + \varepsilon \Rightarrow f(-r) = 10$$

$$f(f(\omega)) + f(f(1)) = v + r = 9$$

$$\underbrace{f(f(a))}_{\omega - \sqrt{\omega + \epsilon}} = \underbrace{f(r)}_{r \times r + r} = v$$

$$f(\underbrace{f(1)}_{\substack{\gamma \chi + \mu = \omega \\ \omega - \sqrt{\omega + \epsilon} = \gamma}}) = \underbrace{f(\omega)}_{\omega - \sqrt{\omega + \epsilon} = \gamma} = \gamma$$

$$a(x-1)^r - b(x-1)^r + (ax^r - bx^r) = 9x + r \Rightarrow ax^r + a - rax - bx^r + b - ax^r + bx = 9x + r$$

$$\Rightarrow a+b-2ax = 4x+1 \Rightarrow -2ax = 4x \Rightarrow a = -2 \Rightarrow -2+b=1 \Rightarrow b=3$$

$$a-b = -r-a = -1$$

$$f(x) = x^r - r_{n+1}$$

$$\frac{rf(r) + f(-1)}{f'(r)} = \frac{r \times 1 + \omega}{(-1)^r} = \textcircled{V}$$

$$rf(r) = (1-1+1) \times r = r \quad f'(r) = r^r - r + 1 = -1$$

$$f(-1) = 1 + r + 1 = \omega$$

$$\frac{rf(\epsilon) - rf(-r)}{f'(r)} = \frac{r \times 1 - r \times \epsilon}{\sqrt{}} = \textcircled{\frac{r1}{\sqrt{}}}$$

$$rf(\epsilon) = r(r \times \epsilon + 1) = r^2$$

$$rf(-r) = r \times \epsilon = 1$$

$$f'(r) = r \times r + 1 = \sqrt{}$$

$$\frac{f(f(\epsilon)) - f(f(r))}{f'(1) - r} = \frac{4-4}{4-r} = \textcircled{0}$$

$$f(f(\epsilon)) = f(1) = 4$$

$$f(1) - r = 4 - r = \epsilon$$

$$f(f(r)) = f(r) = 4$$

$$\frac{n^r + \epsilon n + 9}{n^r + \epsilon n + \omega} = \frac{(n+r)^r + \omega}{(n+r)^r + 1} \Rightarrow \frac{(\sqrt{r}-r+r)^r + \omega}{(\sqrt{r}-r+r)^r + 1} = \frac{1}{\epsilon} = r$$

$$f(f(\sqrt{r}-r)) = f(r) = \frac{(r+r)^r + \omega}{(r+r)^r + 1} = \textcircled{\frac{r1}{1r}}$$

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

$$(f(\sqrt{n}))^r - f(n) \Rightarrow n^r + \frac{1}{n^r} + r - (n^r + \frac{1}{n^r}) = \textcircled{r}$$

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