

$$g = \left\{ r \in \pi, \frac{\pi}{p}, r \in \pi, \frac{\pi}{p} \right\} \quad \checkmark \quad \alpha \geq \pi$$

$$\left. \begin{aligned} y_1^r &= F_{n_1}^r - F_{n_1-1}^r \\ y_r^r &= F_{n_r}^r - F_{n_r-1}^r \end{aligned} \right\} \begin{aligned} n_1 &= n_r \\ y_1^r &= y_r^r \rightarrow y_1^r = y_r^r \end{aligned} \quad (\text{نصف})$$

$$x y_{f+r} - y_{f+r}^2 = 0 \rightarrow x y_{f+r} = y_{f+r}^2 \quad n(y_{f+r}) = y(y_{f+r})$$

$$n = y \quad \checkmark \quad \text{--- weil } x = 0$$

$$\frac{ny}{r} = \sqrt{ny} \rightarrow n \cdot y \cdot \sqrt{ny} = \frac{ny}{r} \quad (2)$$

$$[y] + [x] = 1 \rightarrow [y] = (-[x])$$

$$x = -y^2 \rightarrow y = \begin{bmatrix} 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{bmatrix} \quad \text{15g Cr} \quad \checkmark$$

$$(-) \begin{cases} |y|, x=y & x=y, |y| \end{cases}$$

$x = \begin{cases} y \\ xy \end{cases}$
 $y > 0 \rightarrow x^y = y$ ✓ ✓ auf p. 6
 $y < 0 \rightarrow x^y = xy \rightarrow \frac{x^y}{x} = y$ 3.3.2 x

$$f(n) = \begin{cases} r_n^t - b & a \geq r \\ a + r_n & r_n(r) \\ r_n^t - b & n(-1) \end{cases} \quad r(r)^t - b = a + r(r)$$

$$a+b=12 \quad \checkmark$$

$$a \rightarrow a \cdot b \cdot a^{-1} = \frac{a^2}{b}, 1 \cdot b \cdot a = a \cdot 1 \cdot b$$

$$a=b \rightarrow a \cdot b^{-1} = b \cdot b^{-1} = 1 \rightarrow b^{-1} = a^{-1}$$

$$\left\{ \begin{aligned} 1-b &= r b^r \rightarrow r b^r + b - 1 = 0 \\ &\left\{ \begin{aligned} b &= -1 \\ b &= \frac{1}{r} \end{aligned} \right. \quad \checkmark \end{aligned} \right.$$

$$b = -1 \rightarrow a = 4 \quad \checkmark$$

$$a+b = -1, r = 1$$

$$y = \frac{t}{\sqrt{a \ln t + b t + c}}$$

بابت رقمہ لکھتے ہیں

$$b \cdot a + c = \overset{a=x}{\rightarrow} b \cdot c = \cdot \rightarrow c = x \cdot b \checkmark \quad b \cdot c \checkmark$$

b ✓ b ✓
(-2, 2) (0, 2)

$$t_{a,c}^{-1}(b) = -2b + 3b = b \quad \checkmark$$

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

$$\frac{r_{n+1}r}{n+b} + a = \frac{r_{n+1}r + a(n+b)}{n+b}$$

مقدار را به صورت $\frac{r}{n+b}$ بنویسید

$$r+a=$$

$$a = r - \frac{r-r_b}{n+b}$$

مقدار را به صورت $\frac{r}{n+b}$ بنویسید

$$r+b \Rightarrow b = -r \checkmark$$

(r)

6

$$\frac{1}{\sqrt{\ln 1}}$$

$$\ln(-1), \ln(1),$$

$$n) 1 \leq n \leq \infty$$

$$n^2 - n, n(n^2 - 1),$$

(ان)

$$\frac{1}{-1+1+}$$

$$[-1, 0] \cup [2, +\infty) \checkmark$$

(r)

7

$$\sqrt{x} + \sqrt{y} = 9 \rightarrow \sqrt{y} = 9 - \sqrt{x}$$

$$x=0 \rightarrow y=81$$

$$x=81 \rightarrow y=0$$

$$D = [0, 81] \checkmark$$

$$f \rightarrow y = \sqrt{\frac{1}{\ln 1 - [x]}}$$

$$\ln 1 \neq [x]$$

(ان)

$$D_f = \mathbb{R} \setminus \mathbb{N} \cup \{0\} = \mathbb{R} \setminus \mathbb{N} \checkmark$$

(r)

8

$$y = \frac{1}{\sqrt{[x - \frac{1}{f}] + [x + \frac{1}{f}]}}$$

$$[x - \frac{1}{f}] + [x + \frac{1}{f}] =$$

$$[x - \frac{1}{f}] + 1 + [x + \frac{1}{f}] - 1 =$$

$$x - [x + \frac{1}{f}] = [x - \frac{1}{f}], \quad x + \frac{1}{f} \geq 1, \quad x \geq \frac{1}{f} \checkmark$$

(r)

9

$$y = \sqrt{1 - \log(x-a)} \rightarrow 1 - \log(x-a)$$

$$1 - \log(x-a) \geq 0 \Rightarrow x-a \leq 1 \Rightarrow x \leq 1+a \quad (1)$$

$$x-a \geq 0 \Rightarrow x \geq a$$

$$x \geq \frac{a}{f}$$

(r)

10

$$D_f = (1) \cap (2) = (\frac{a}{f}, \frac{b+a}{f}]$$

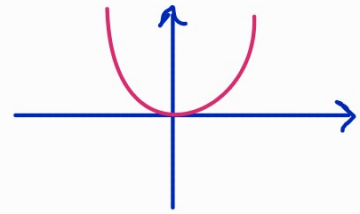
$$b = \frac{a}{f}$$

$$c = \frac{1+a}{f}$$

$$c-b = \frac{1+a}{f} - \frac{a}{f} = \frac{1}{f} = \omega \checkmark$$

۲- طرف چپ تساوی همواره مثبت است پس طرف راست هم باید مثبت باشد: $y > 0$

$$|y| + x^2 = 2y \xrightarrow{y > 0} y = x^2$$



تابع
مربع