

19 دسمبر

نکدہ

$$\textcircled{1} \rightarrow r_1 [r^-] + a [0^+] = r$$

$$r_1 [r^+] + a [0^-] = r - a$$

$$\textcircled{2} \rightarrow \left[r_1 \frac{1}{r} - 1 \right] = [a - 1] r - 1$$

$$\textcircled{3} \rightarrow \left[1 \times \left(-\frac{1}{r} \right) + \frac{1}{r} \right] = \left[-\frac{1}{r} \right] \times 1$$

$$\frac{1 \times r - a - 1}{1 \times r + a} = \frac{1}{0^-} = -\infty$$

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

$$r > \frac{1}{r}$$

$$\frac{1}{r} < r$$

$$\frac{\sin r \pi}{1 + \cos r \pi}$$

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

$$1 - \cos r \pi \leq 1 + \cos r \pi$$

(d)

$$\frac{r_1 a + r - r_1 a - r}{1 + a} \times \frac{r}{r} = \frac{-r}{r}$$

(c)

$$\frac{(\sqrt{x} - 1)(r\sqrt{x} - a)}{r_1 - \sqrt{r_1 a} + 1} \times \frac{r_1 + \sqrt{r_1 a} - 1}{r_1 + \sqrt{r_1 a} - 1} = \frac{r(r\sqrt{x} - a)}{(r_1 + 1)(\sqrt{x} + 1)} = -\frac{1}{r}$$

(v)

$$\frac{b}{r\sqrt{bx+a}} = \frac{1}{r}$$

$$a = -\sqrt{c}$$

$$a + \sqrt{c} = 0$$

$$\frac{ab}{c} = \frac{-r_1 b \times b}{r_1 b \times r} \left(\frac{-1}{r} \right)$$

$$\frac{b}{r\sqrt{c}} = \frac{1}{r}$$

(n)

$$a - b < 0$$

$$a < b$$

(10)

$$\frac{\frac{b}{r\sqrt{bx+a}}}{\frac{r\sqrt{r+bx}}{a}} = \frac{b}{r\sqrt{a}} \times \frac{a}{r\sqrt{a}} \left(\frac{1}{r} \right)$$