

$$\sigma_f(1, F)$$

$$r_n + r = 1 \Rightarrow r = -\frac{1}{r} \Rightarrow \alpha \beta = \boxed{\frac{V}{r}}$$

$$1 - r(f) = -V$$

$$\boxed{\frac{V}{r}}$$

(V)

$$D_f = (a, f)$$

$$y = f(x-1) + g(x+1)$$

$$\rightarrow b-1=a \Rightarrow \boxed{b=g}$$

(A)

$$D_g = [-1, b)$$

$$a < x-1 \leq f \rightarrow (a+1, a) \rightarrow [-r, b-1)$$

$$a+1=-r \Rightarrow \boxed{a=-r}$$

$$a-b = -r-g = \boxed{-g}$$

$$-1 \leq x+1 < b \rightarrow -r \leq x < b-1$$

$$y_i = f\left(\frac{x}{r} + 1\right)$$

$$D_f = [-r, a)$$

$$\left. \begin{array}{l} -\frac{r}{r} + 1 = -\frac{1}{r} \\ \frac{a}{r} + 1 = \frac{V}{r} \end{array} \right\} \rightarrow$$

$$D = \left[-\frac{1}{r}, \frac{V}{r} \right]$$

(9)

$$R_f = [-1, r]$$

$$\xrightarrow{x^r} [-r, f]$$

$$\xrightarrow{r} [-a, 1]$$

$$\xrightarrow{1} [0, a]$$

$$\xrightarrow{\sqrt{\cdot}} [0, \sqrt{a}]$$

$$f(x) = \left| \frac{x+1}{r_n+1} \right|$$

$$\Rightarrow g(x) = \left| \frac{x-r+1}{\frac{r(x-r)+1}{r_n-r} + 1} \right| + 1 = \left| \frac{x-1}{r_n-r} \right| + 1$$

(1)

$$\left| \frac{x-1}{r_n-r} \right| + 1 + x < 0 \Rightarrow \left| \frac{x-1}{r_n-r} \right| < -x-1$$

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

$$-x-1 > 0 \Rightarrow x < -1 \Rightarrow \frac{x-1}{r_n-r} > 0$$

$$\frac{x-1}{r_n-r} + x + 1 < 0 \Rightarrow$$

$$\frac{x-1+x(r_n-r)+r_n-r}{r_n-r} \Rightarrow$$

$$\frac{r_n^2 - r}{r_n - r} < 0 \quad x < -1, r_n - r < 0$$

$$\frac{-\sqrt{r} \sqrt{r}}{+|-|+}$$

$$\rightarrow (-\infty, -\sqrt{r}) \cup (\sqrt{r}, +\infty)$$

$$\cap \rightarrow (-\infty, -\sqrt{r})$$