

$$4) A = (ka + r, \frac{a-r}{r}), B = (V - ka, \frac{a-r}{r}) \quad y = a(a-\omega)^r + r$$

$$a \cdot r = \frac{ka + r + V - ka}{r} = \omega$$

$$b = \omega \quad b = r + r$$

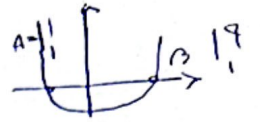
$$\frac{\omega}{r}$$

$$1 = 1 + ka + r$$

$$a = -\frac{1}{k}$$

$$y = 0 = -\frac{1}{k}(a-\omega)^r + r$$

$$y(0) = \frac{-ka}{k} + r = -\frac{1}{k} \Rightarrow \frac{1}{k} = r$$



$$v) \quad a \cdot r - a \cdot a - b = 0$$

$$E \cdot B^r + r \cdot a^r - r \cdot B = 1V$$

$$F \cdot (1-a)^r + r \cdot (a^r) - r \cdot (1-a) = 1V \rightarrow F \cdot a^r - r \cdot a + r = 0$$

$$|a-B| = \sqrt{r^2 - r \cdot r} = \frac{r}{\sqrt{a}} = \frac{r\sqrt{a}}{a}$$

$$\frac{S \cdot 1}{P = \frac{1}{r}}$$

$$a+B=1$$

$$B^r = (1-a)^r$$

$$1) \quad (a-\omega, B) = (b, B) \rightarrow \frac{-a + (1)}{r} = -\frac{r}{r} \rightarrow a = -r \quad \text{at } -\frac{r}{r} \rightarrow -\frac{b}{r} = -r \rightarrow b = r \cdot a$$

$$-\frac{D}{Ea} \Rightarrow \frac{-b^r + \frac{b}{r}}{b} = -\frac{b+r}{r} = -\frac{1}{r} \Rightarrow b = r$$

$$\frac{1}{r} a^r + ka + \frac{r}{r} \stackrel{a=1}{\rightarrow} \frac{1}{r} + r + \frac{r}{r} = \frac{r+b}{r} \Rightarrow r = b$$

$$9) \quad a^r + r \cdot a + a = 0 \quad \begin{cases} \alpha = -r + \sqrt{9-a} \rightarrow \alpha^r = 11-a - r\sqrt{9-a} \\ B = -r - \sqrt{9-a} = B^r = 11-a + r\sqrt{9-a} \end{cases}$$

$$rB + rB^r = 9 = -a - a - r\sqrt{9-a} = 11\sqrt{r} + 11a$$

$$a + r\sqrt{9-a} = a + r\sqrt{11} \Rightarrow a = 1$$

$$1.) \quad \frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = \omega \Rightarrow \frac{\sqrt{a} + \sqrt{b}}{\sqrt{a \cdot b}} = \omega$$

$$a \cdot b = \frac{1}{r^2} \quad a + b = \frac{m+r}{r}$$

$$(\sqrt{a} + \sqrt{b})^r = a + b + r\sqrt{a \cdot b}$$

$$\frac{r\sqrt{m+r}}{r} = \omega$$

$$\frac{m+r}{r^2} + \frac{r}{r} = \frac{m+r}{r^2}$$

$$m+r = \omega \Rightarrow m = -1$$

$$\frac{\sqrt{m+r}}{r} = \sqrt{a} + \sqrt{b}$$

$$\alpha_r \cdot B_r \rightarrow m \cdot a^r + (m+r) \cdot \frac{c}{a} = \frac{r}{m} = -r$$