

$$\frac{1}{r} \log b = \frac{r}{r} (1+a) \rightarrow \log b = 1+a = 1+r \log r = 1 + \log r \quad (r) \quad (9)$$

$$\rightarrow \log b = 1 \rightarrow b = e \rightarrow b = r^r \rightarrow \log 101-1 = \log 100 = 1 \quad \checkmark$$

$$\frac{b+c}{r} = a \rightarrow b+c = ra / \frac{1}{s} = \frac{a}{b} = \frac{ra}{b} = \log f \rightarrow \frac{ra}{b} = r \log r \quad (10)$$

$$\rightarrow \frac{ra}{b} = \log r \rightarrow a = b \log r \quad (r)$$

$$c = ra - b = r b \log r - b = b (r \log r - 1) = b (\log r - \log b) = b \log a^{-1}$$

$$\frac{c}{a} = \frac{b \log a^{-1}}{b \log r} = - \log_r a \rightarrow (r^{-\frac{1}{r}})^{-r \log a} = \frac{1}{r} \log a = - \frac{1}{r} \log r = \frac{1}{r} \log \omega \quad \checkmark$$