



$$a, b, c$$

$$c, r, a, r, b$$

$$(NO) \rightarrow$$

$$a$$

$$a^r = b$$

$$a^r = c$$

$$\frac{c+rb}{r} = ra \rightarrow c+rb = r^2 a$$

$$a^r r + r a n = r^2 a$$

$$n^r + r n = r^2$$

$$n^r + r n - r^2 = 0$$

$$\Delta = b^2 - 4ac = r^2 - 4(1)(-r) = r^2$$

$$\frac{-b \pm \sqrt{\Delta}}{r} \rightarrow \frac{-r \pm \sqrt{r^2}}{r}, \frac{-r - \sqrt{r^2}}{r}$$

$$c, b, a$$

$$c, r, a, r, b$$

$$\frac{aqa}{(aq)^r} + \frac{aq}{a^r} = r \rightarrow \frac{aqa}{a^r q^r} + \frac{aq}{a^r} = r \rightarrow \frac{aq^2 + a^2 q^r}{a^r q^r} = r$$

$$r a^r q^r = aqa + a^2 q^r$$

$$r a^r = q^r + aq$$

$$r a^r - q^r - aq = 0$$

$$r a^r = q^r + aq$$

$$\frac{q^r + aq}{a^r} = \frac{1}{ra} + \frac{1}{r}$$

$$\frac{1}{r}, \frac{1}{r}, \underbrace{x, x^r}_{x^r}, \underbrace{x^r, rV}_{x^r}$$

$$\rightarrow \frac{1}{r} - \frac{1}{r} = \frac{r-r}{r} = \frac{1}{r}$$

$$x^r = rV \rightarrow x = r$$