

مثال: $a, b, c \rightarrow r b = a + c$

مثال: $b, \frac{a}{r}, \frac{c}{\varepsilon} \rightarrow \frac{a r}{\varepsilon} = \frac{b c}{\varepsilon} \rightarrow a r = b c$

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

$a r = b$

مثال: $b, \frac{1}{\varepsilon}, \frac{1}{\varepsilon} \rightarrow r r = r$ ✓
 $r = 1$

✗: $\frac{a r}{\varepsilon} = \frac{b c}{\varepsilon}$
 $\rightarrow a r = b c$

(1) b, c ثابتان

(2)

مثال: $a, b, c \rightarrow b r = a c \rightarrow b r = a$

مثال: $r b, r a, c \rightarrow r a = r b c \rightarrow r a = r b \rightarrow r b r = r a$
 $b = \frac{r}{\varepsilon} \quad a = \frac{a}{14}$

مثال: $\frac{a}{14}, \frac{r}{\varepsilon} \rightarrow \frac{a r}{14 \varepsilon} = \frac{r^2}{14}$

(1) b, c ثابتان

(1, 2)

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

$\frac{r^2 + a r}{a^2 r} = r \rightarrow r a^2 - a r - r^2 = 0 \rightarrow (r a + r)(a - r) = 0$
 $\rightarrow a = r$
 $\rightarrow r a = -r \rightarrow r = -r$ ✓

$\rightarrow \frac{a r}{a^2 r} = \frac{a r}{a^2 r} = \frac{a r}{-r a^2} = -\frac{1}{r}$ ✓

$\rightarrow \frac{a r}{a^2 r} = \frac{a r}{a^2 r}$ ✓

$a r = \sqrt{a \varepsilon} \rightarrow a r^2 = a \varepsilon \rightarrow a r \varepsilon = a r^2 \rightarrow a r^2 = 1$

$a_0 = r \rightarrow a r^2 = r \rightarrow \frac{a r^2}{r} = r \rightarrow r^2 = r \rightarrow a = \frac{1}{r}$

$\frac{1}{\varepsilon} - a_1 = \frac{1}{r} - \frac{1}{r} = \frac{1}{\varepsilon}$

(9)

(1)

دېندهڼې $\rightarrow a, aq, aq^2 \quad (a, b, c)$

دېندهڼې $\rightarrow \psi aq, \psi a, aq^2 \quad (\psi b, \psi a, c)$

واړېځې $\psi aq + aq^2 = \epsilon a \xrightarrow{\div a} \psi q + q^2 = \epsilon \quad \rightarrow q = 1 \quad \times$ جېلې
متجانز

$$q = -\epsilon \rightarrow \frac{aq}{aq} = \frac{aq^2}{aq^2} = q^2 = (-\epsilon)^2 = -4\epsilon$$