

$a_1 + d, r, ad$ $r(a_1 + d)(a_1 + d) = \omega(a_1 + rd)(a) + r(a_1 + d)(a)$ $ra_1^2 + rd^2 + 2rad = \omega a_1^2 + \omega rd + ra_1^2 + rda$ $ra_1^2 + rd^2 + 2rad = \omega a_1^2 + \omega rd$ $rd^2 = r a_1^2 + \omega d$ $\frac{ra_1^2 + ad - rd^2}{a^2} = 0 \quad r + \frac{d}{a} - \frac{rd^2}{a^2} = 0$ $r\left(\frac{d}{a}\right) - \frac{d}{a} - r = 0 \quad \frac{d}{a_1} = \frac{r}{r}$ $\frac{a_1 + rd}{d} = \frac{a_1 + rd}{d} = \frac{a}{d} + r$ $\frac{r}{r} + r = \frac{r}{r} \omega$ $-r + r = 1$	r
a, b, c $a = b - d \quad b, \frac{b-d}{r}, \frac{b+d}{r}$ $c = b + d$ $\frac{(b-d)^2}{r} = \frac{b(b+d)}{r} = \frac{b^2 + d^2 - rbd}{r} = \frac{b^2 + bd}{r}$ $b + d^2 = b + rbd \quad d^2 = rbd \quad d = rb$ $b, \frac{1}{r}a, \frac{1}{r}c$ $b, \frac{b-d}{r}, \frac{b+d}{r}$ $b, \frac{b-d}{r}, \frac{b+d}{r}$ $1 \times r = -r$	r
a, b, c $\frac{b}{q}, h, bq$ $\frac{a}{q} = \frac{a_1 q^2}{a_1 q^2} = q^2 \quad (-r)^2 = -r^2$ rb, ra, c $\frac{rb + bq}{r} = \frac{rb}{q}$ $b(r+q) = \frac{rb}{q}$ $q^2(r+q) = r^2 \quad (q+r)(q-1) = 0$	r
$\frac{a_1 q^2}{a_1 q^2} + \frac{a_1 q^2}{a_1 q^2} = r$ $\frac{q^2}{a^2} + \frac{q}{a} = r$ $\frac{q}{a} = 1 \quad \frac{q}{a} = -r$ $\frac{q^2}{a^2} + \frac{q}{a} - r = 0 \quad \left(\frac{q}{a} - 1\right)\left(\frac{q}{a} + r\right) = 0$	r
$a_r = \sqrt{a_r}$ $a_1 a^2 = \sqrt{a_1 a^2} \rightarrow \sqrt{a_1 a^2} q$ $a_1 a^2 = q \sqrt{a_1 a^2}$ $a_1 a^2 = \sqrt{a_1 a^2}$ $\frac{1}{\sqrt{a_1 a^2}} \quad a_1 a^2 \times q^2 = r^2 \quad q = r$ $a_1 a^2 = 1 \quad \frac{1}{r} - \frac{1}{r} = \frac{r}{r} - \frac{r}{r} = \frac{1}{r}$	r

$$\sqrt{r} = 1$$