

HAIRSTONE: x, y, z, dx, dy, dz

ROCK: $a, b, c, \cancel{d}, \cancel{e}, \cancel{f} da, db, dc$

$$x_t = x + dx \cdot t$$

$$x_{tr} = a + da \cdot t$$



$$x + dx \cdot t = a + da \cdot t$$

$$(dx - da) \cdot t = a - x$$

$$t = \frac{a - x}{dx - da} = \frac{x - a}{da - dx}$$

$$t = \frac{b - y}{df - db} \approx \text{'Z'}$$

$$\frac{x - a}{da - dx} = \frac{y - b}{db - df} = \frac{z - c}{dc - dz}$$

$$(x - a) \cdot (db - df) = (y - b) \cdot (da - dx)$$

~~$$(x - a) \cdot (db - df) = (y - b) \cdot (da - dx)$$~~

$$(y - b) \cdot (dc - dz) = (z - c) \cdot (db - dy)$$