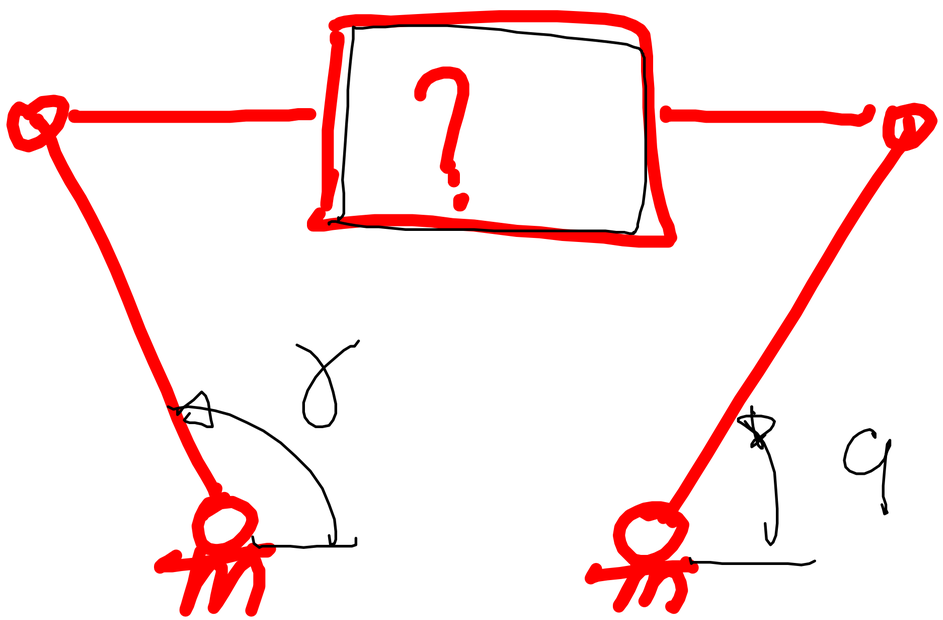
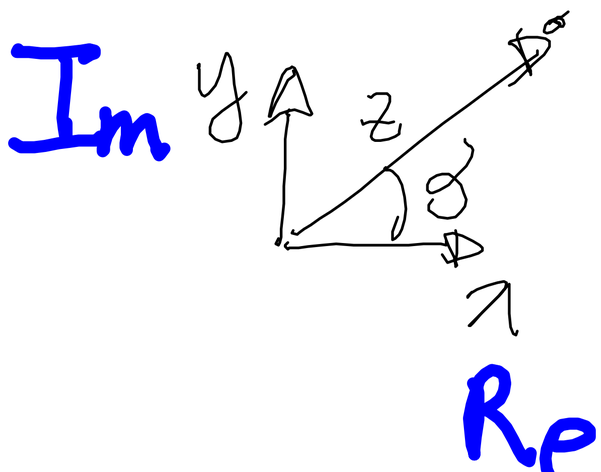
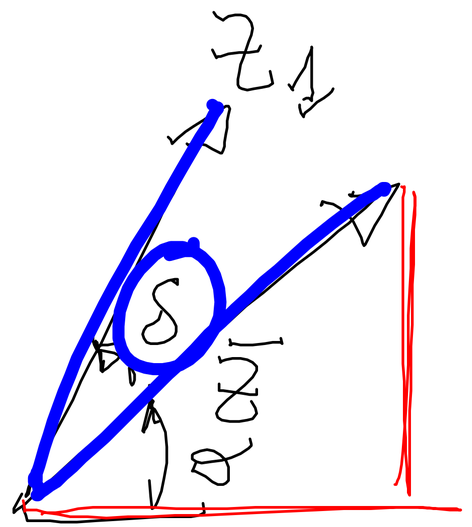
SINTESI

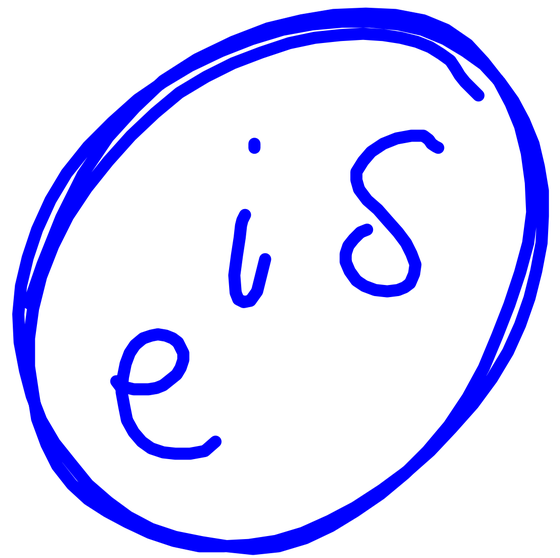


$$\gamma = f(q)$$

$$\bar{z} = z\cos\theta + i z \sin\theta$$







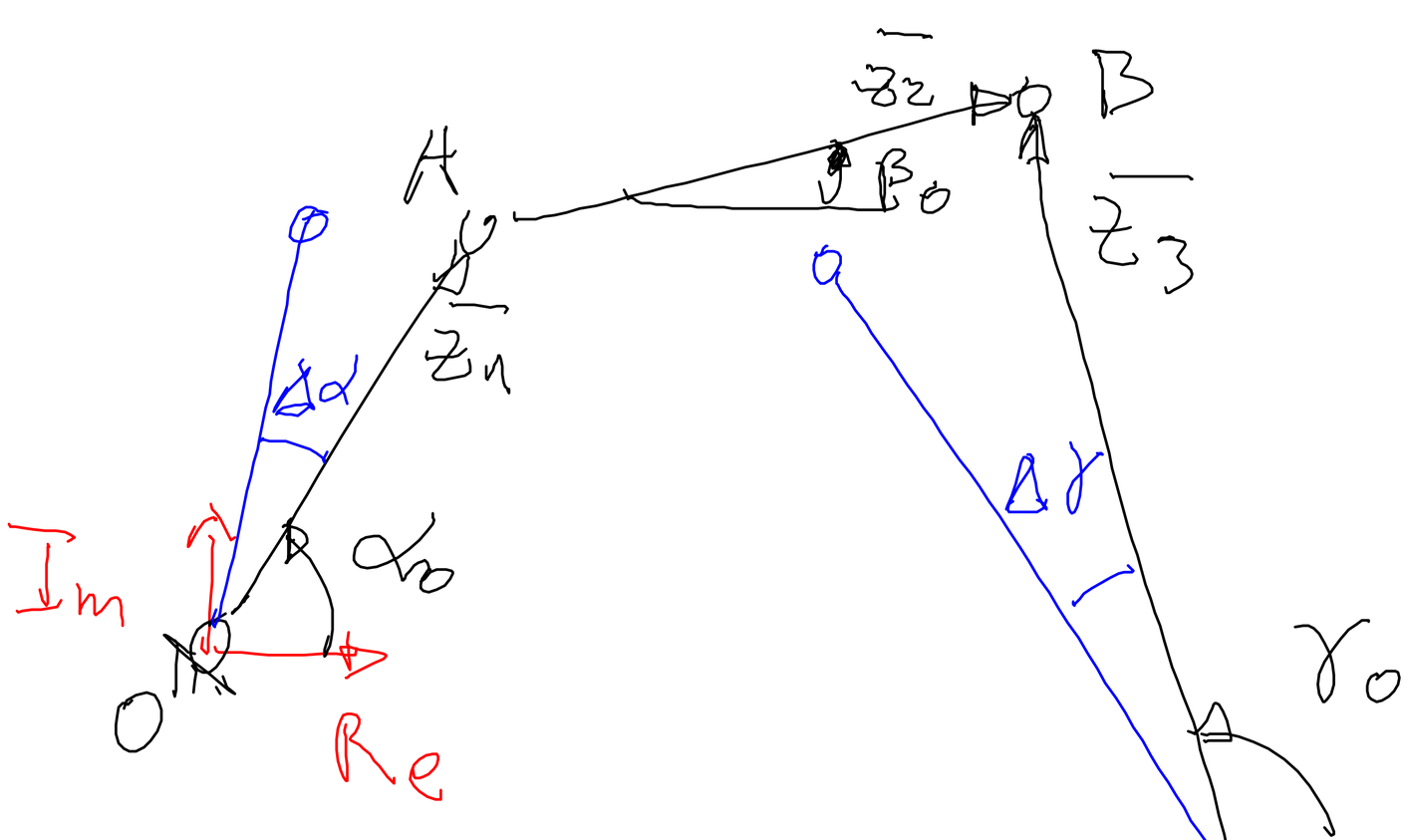
$$\bar{z}_1 = z\cos(\theta+\delta) + z\, i \sin(\theta+\delta) =$$

$$= z\, e^{i(\theta+\delta)} = z\, e^{i\theta}\, e^{i\delta} =$$

$$= \underbrace{z(\cos\theta + i\sin\theta)}\, e^{i\delta} = \boxed{z\, e^{i\delta}}$$

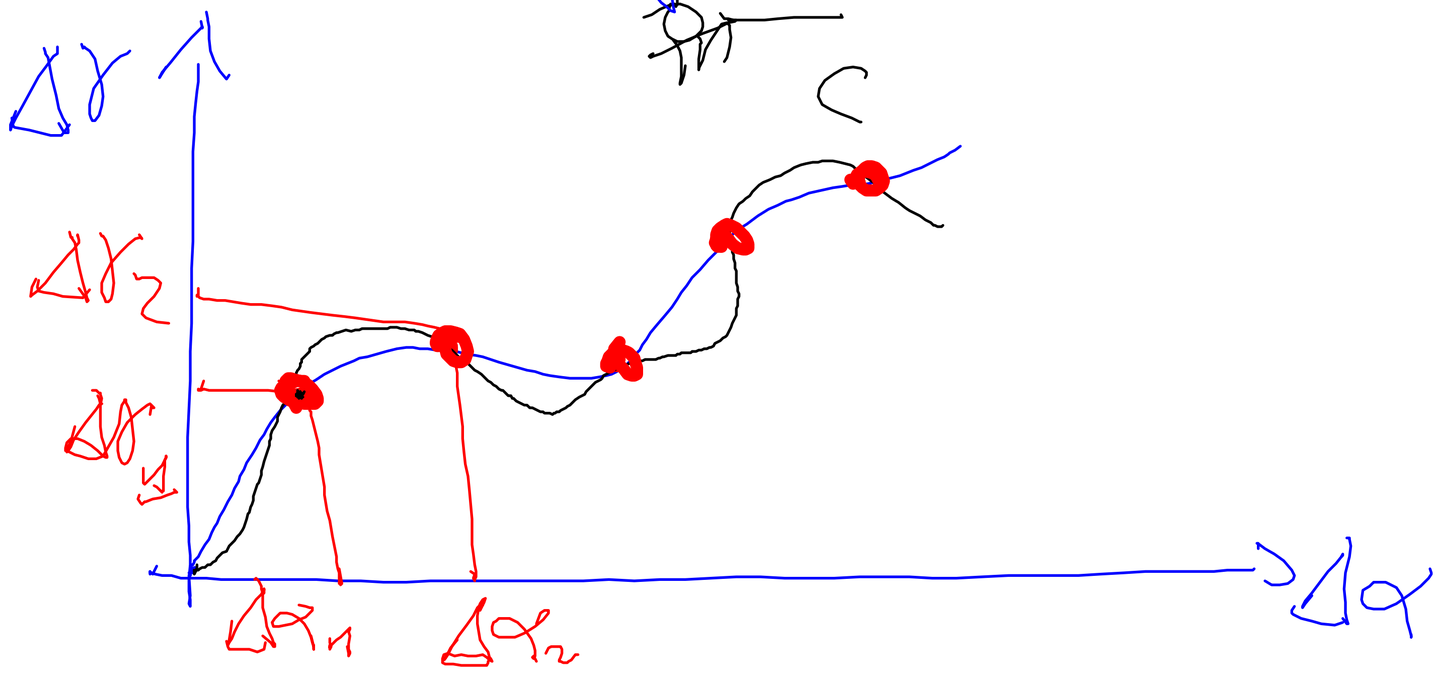
$\bar{z}_1, \bar{z}_2, \bar{z}_3$

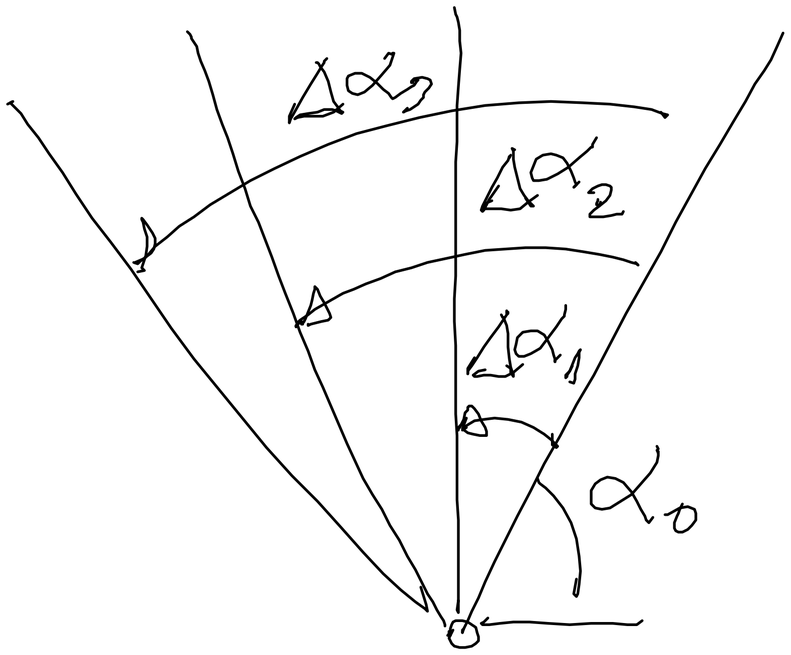
$\Delta\gamma = f(\Delta\alpha)$

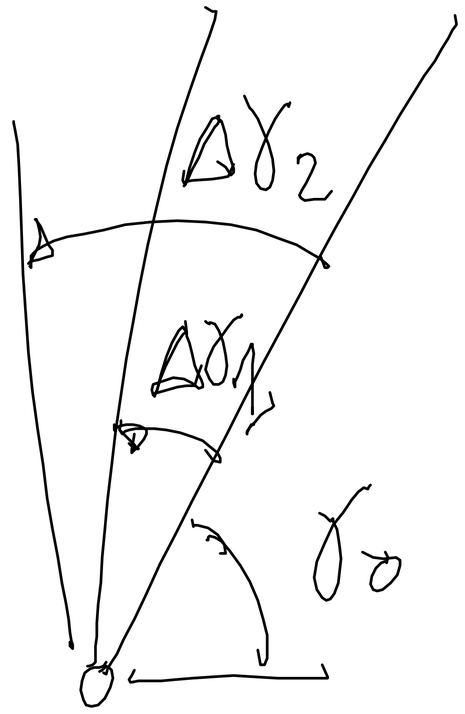


Movente: OA

Cedente: CB







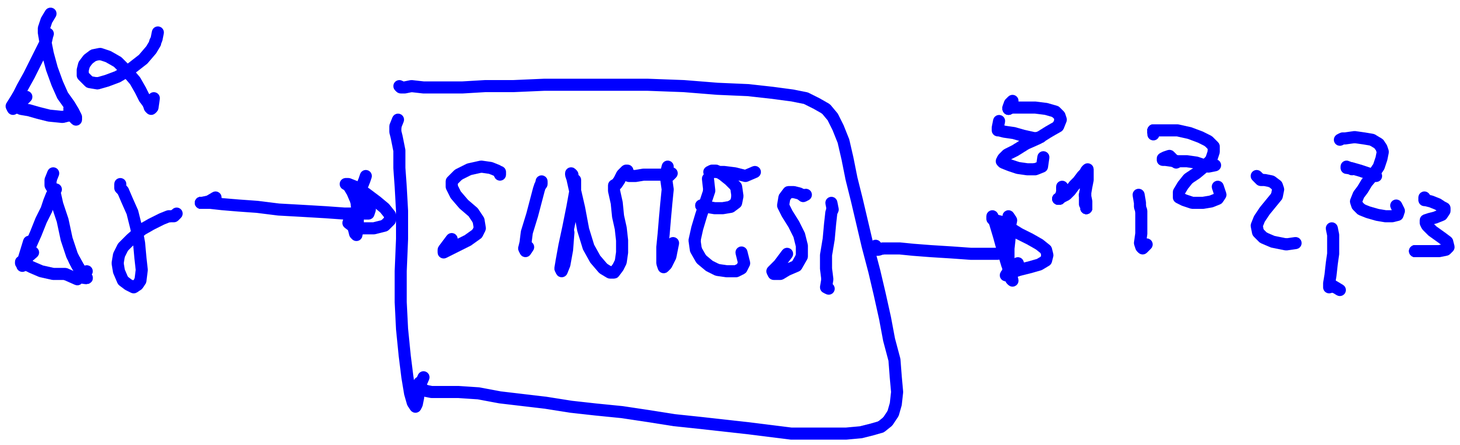
$$\Delta\gamma = f(\Delta\alpha)$$

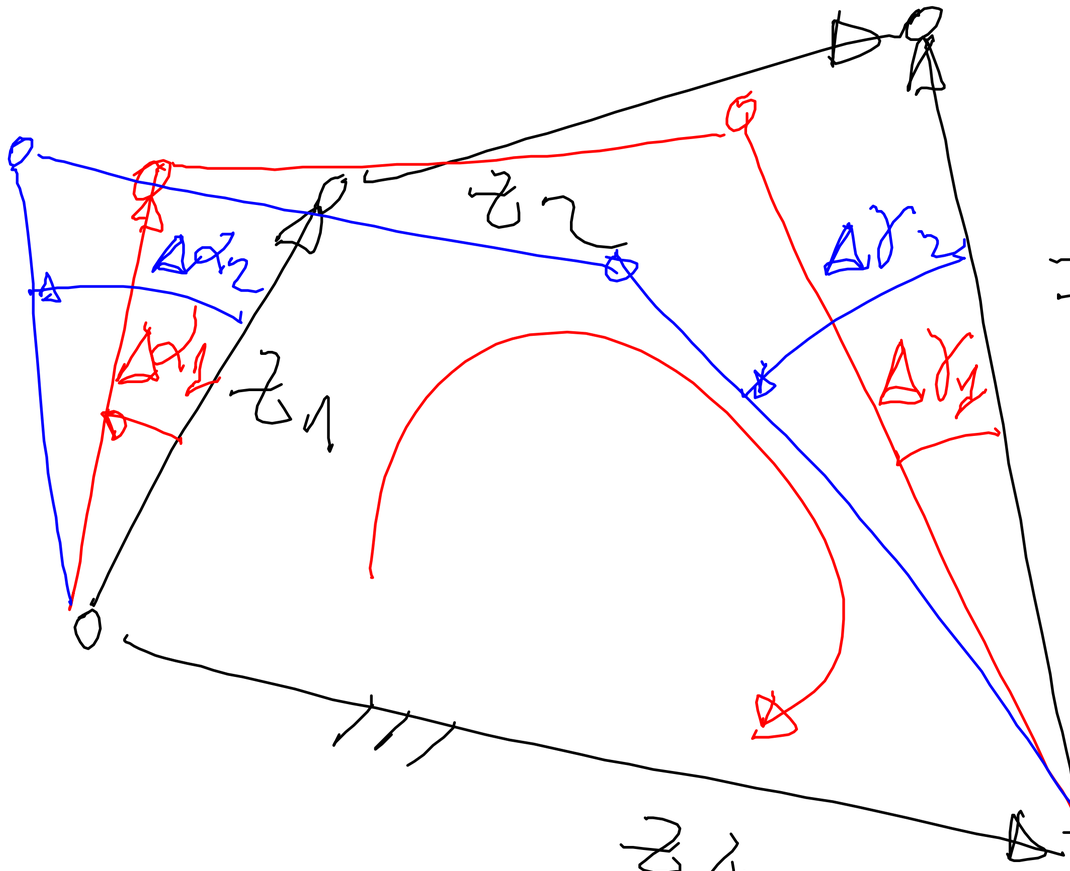
$$\Delta\gamma_1 = f(\Delta\alpha_1)$$

$$\Delta\gamma_2 = f(\Delta\alpha_2)$$

$\vdots$

$\Delta\alpha_1$	$\Delta\gamma_1$
$\Delta\alpha_2$	$\Delta\gamma_2$





$$\bar{z}_1 + \bar{z}_2 - \bar{z}_3 - \bar{z}_4 = 0$$

$$\bar{z}_1 e^{i\Delta\alpha_1} + \bar{z}_2 e^{i\Delta\beta_1} - \bar{z}_3 e^{i\Delta\gamma_1} - z_4 = 0$$

$$\begin{cases} \bar{z}_1\left(1 - e^{i\Delta\alpha_1}\right) + \bar{z}_2\left(1 - e^{i\Delta\beta_1}\right) - \bar{z}_3\left(1 - e^{i\Delta\gamma_1}\right) = 0 \\ \bar{z}_1\left(1 - e^{i\Delta\alpha_2}\right) + \bar{z}_2\left(1 - e^{i\Delta\beta_2}\right) - \bar{z}_3\left(1 - e^{i\Delta\gamma_2}\right) = 0 \end{cases}$$

inc. 1 ⟶ 7 inc. 2 eq ⇒ 5

inc. 2 ⟶ 6 + 2 4 eq ⇒ 4

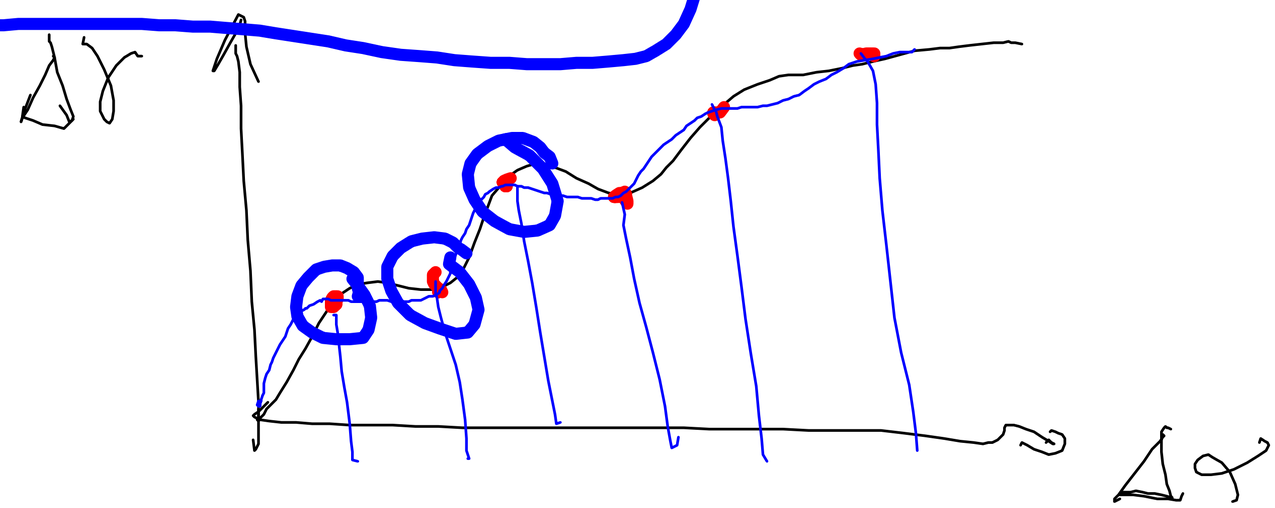
m = n° incrementi

$eq = 2m$

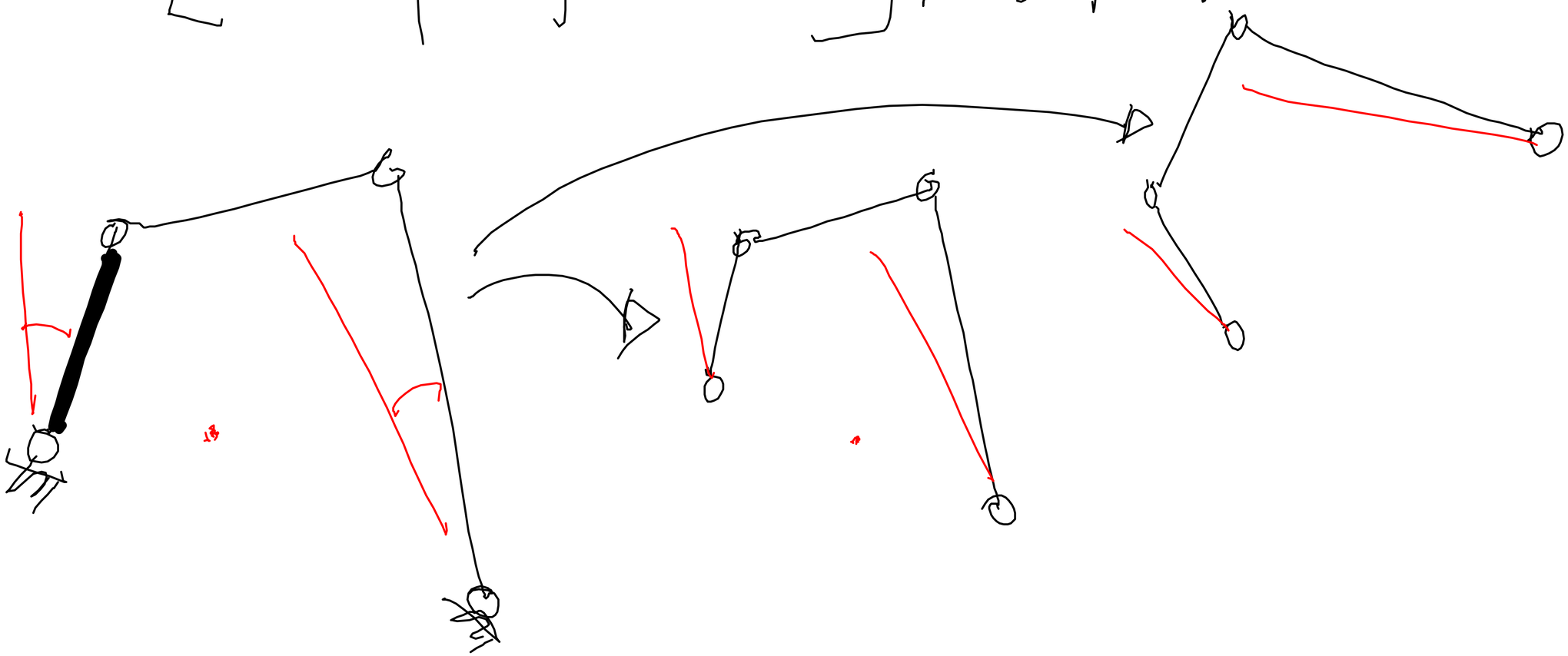
$inc = 6 + m$

$eq = inc \Rightarrow 2m = 6 - m$

$\boxed{m = 6}$



$$\begin{bmatrix} & & \\ & & \\ & & \end{bmatrix} \begin{Bmatrix} z_1 \\ z_2 \\ z_3 \end{Bmatrix} = \begin{Bmatrix} 0 \\ 0 \\ 0 \end{Bmatrix}$$



$$\left.\begin{aligned} eq &= 2m \\ inc &= 6 \end{aligned}\right\} \Rightarrow \boxed{m = 3}$$