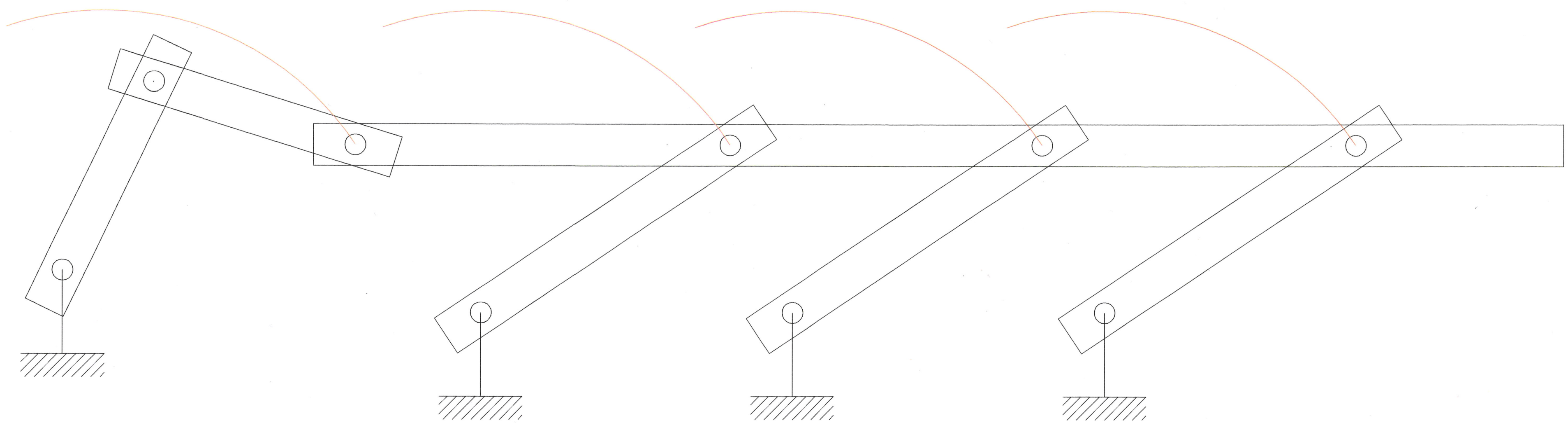

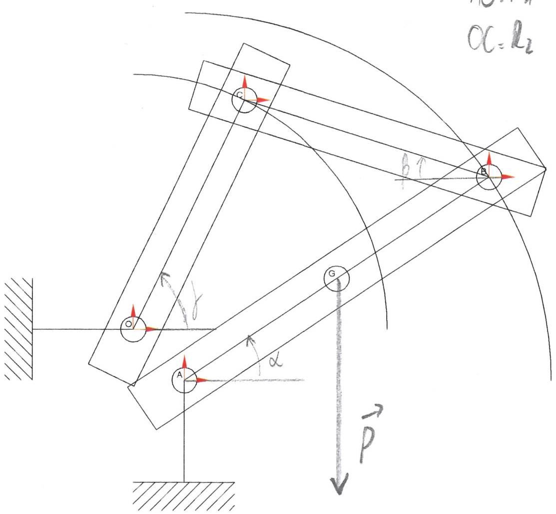

AB : R_1

OC : R_2

$$\begin{cases} x_B = x_A + \cos\alpha \, R_1 \\ y_B = y_A + \sin\alpha \, R_1 \end{cases}$$

$$\begin{cases} x_C = \cos\gamma \, R_2 \\ y_C = \sin\gamma \, R_2 \end{cases}$$

Equilibre AB.

$$\Sigma \vec{F} = \vec{0} \qquad \vec{P} + \vec{R_A} + \vec{R_B} = \vec{0}$$

$$\Sigma \vec{M}_{/A} = \vec{0} \qquad \vec{P} \wedge \vec{AG} + \vec{R_B} \wedge \vec{AB} = \vec{0}$$

$$\begin{cases} R_{Ax} + R_{Bx} = 0 \\ R_{Ay} + R_{By} - P = 0. \\ -P\,AG\cos\alpha + R_{Bx}\,AB\sin\alpha - R_{By}\,AB\cos\alpha = 0 \end{cases}$$

Equilibre BC

$$-\vec{R_B} + \vec{R_C} = \vec{0}$$

$$-\vec{R_B} \wedge \vec{BC} = \vec{0}$$

$$\begin{cases} -R_{Bx} + R_{Cx} = 0 \\ -R_{By} + R_{Cy} = 0 \\ -R_{Bx}\,BC\sin\beta + R_{By}\,BC\cos\beta = 0. \end{cases}$$

Equilibre OC

$$-\vec{R_C} + \vec{R_O} = 0$$

$$-\vec{R_C} \wedge \vec{OC} = 0$$

$$\begin{cases} -R_{Cx} + R_{Ox} = 0 \\ -R_{Cy} + R_{Oy} = 0. \\ -R_{Cx}\,OC\sin\gamma + R_{Cy}\,OC\cos\gamma = 0. \end{cases}$$