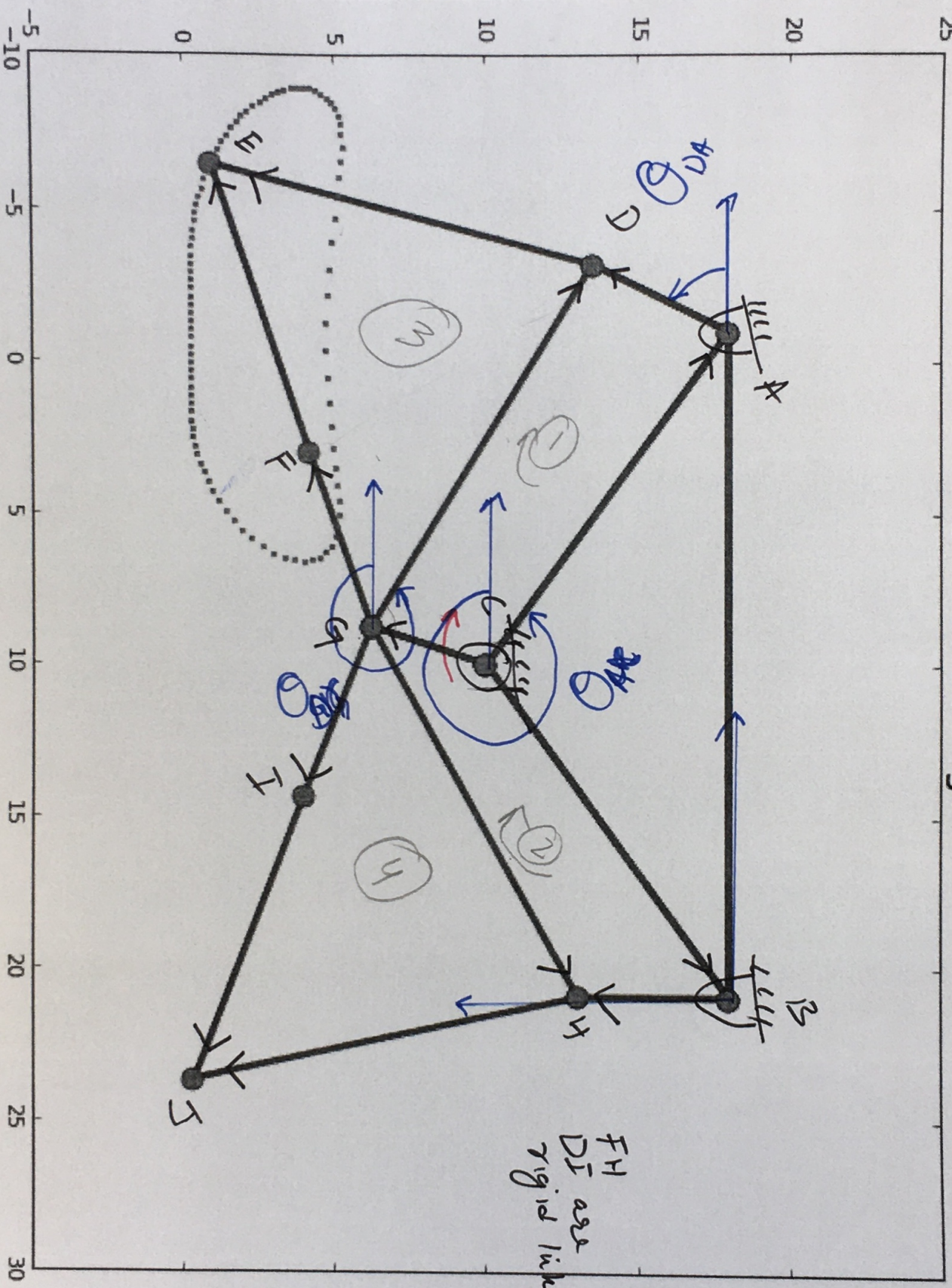


①

Strider Linkage



$$\textcircled{1} \quad \underline{R}_{GC} + \underline{R}_{DG} - \underline{R}_{DA} - \underline{R}_{AC} = 0$$

$\textcircled{2}$

$$\textcircled{2} \quad \underline{R}_{GC} + \underline{R}_{HG} - \underline{R}_{HB} - \underline{R}_{BC} = 0$$

$$\textcircled{a} \quad \underline{R}_{GH} = -\underline{R}_{HG}$$

$$\underline{R}_{FG} = \underline{R}_{FH} - \underline{R}_{GH}$$

R_{FH} is a rigid link

~~$\textcircled{1}$~~

$$\textcircled{2a} \quad \underline{R}_{GD} = -\underline{R}_{DG}$$

$$\underline{R}_{IG} = \underline{R}_{ID} - \underline{R}_{GD}$$

R_{ID} is a rigid known link

$$\textcircled{3} \quad \underline{R}_{FG} + \underline{R}_{EF} - \underline{R}_{ED} - \underline{R}_{DG} = 0$$

$$\textcircled{4} \quad \underline{R}_{IG} + \underline{R}_{JI} - \underline{R}_{JH} - \underline{R}_{HG} = 0$$

four bar velocity ($q, h, r, d, \omega_2, \theta_2, \omega_1, \theta_1$)