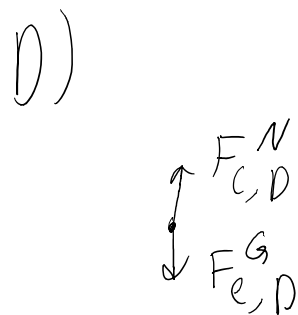
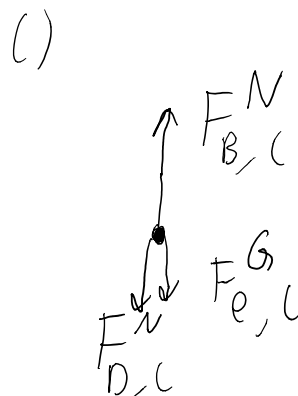
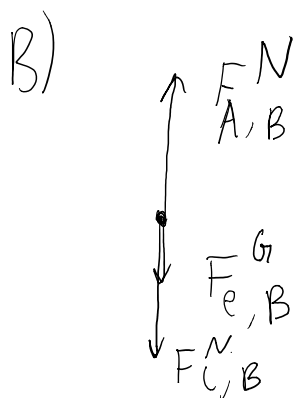
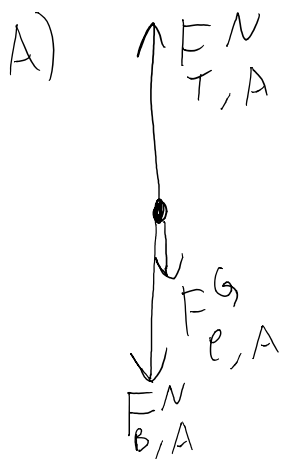
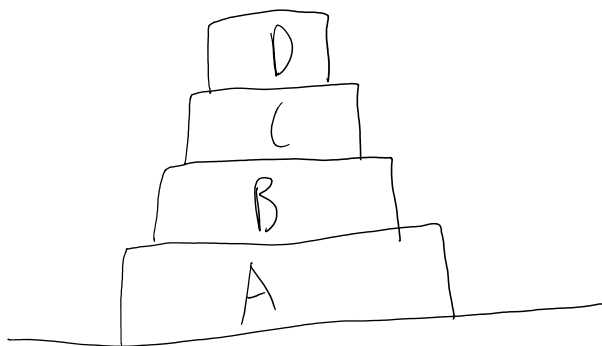


Four boxes, of identical mass, are at rest, stacked on top of each other. Draw a free body diagram for each and identify all of the force pairs. Scale all forces as best as you can.



Force pairs:

$$\vec{F}_{A,B}^N \quad \Big\} \quad \vec{F}_{B,A}^N$$

$$\vec{F}_{B,C}^N \quad \Big\} \quad \vec{F}_{C,B}^N$$

$$\vec{F}_{C,D}^N \quad \Big\} \quad \vec{F}_{D,C}^N$$