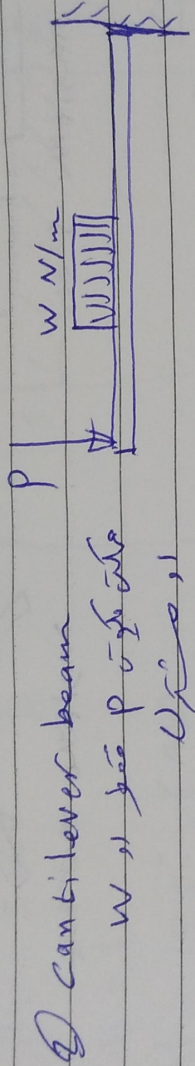
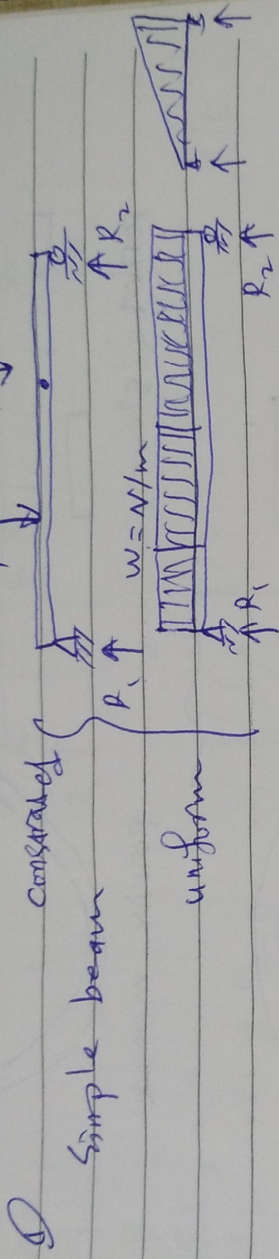
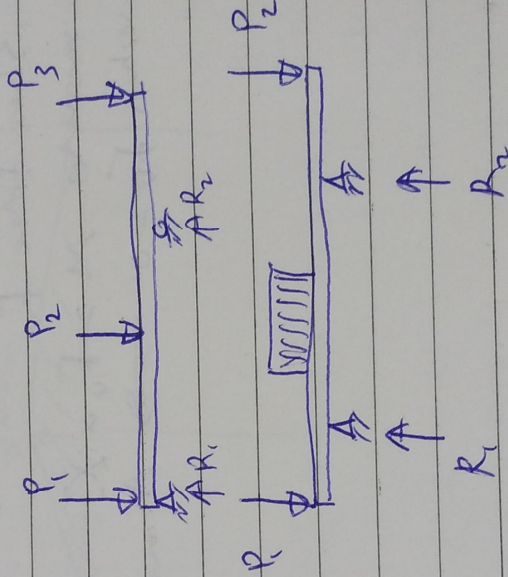


« Shear and moment in beams »

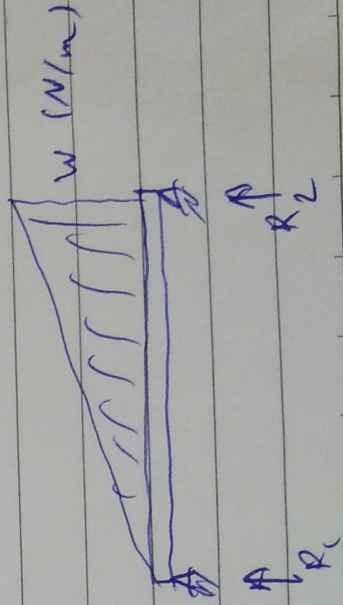


3) overhanging beam

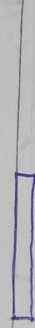


القائمة / 1

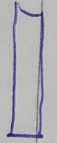
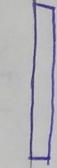
القائمة / 1



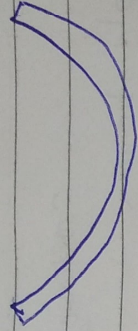
\* Sign convention :



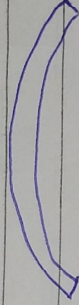
positive shear



negative shear



positive moment



negative moment

Solution :

- 1- find the reaction in point
- 2- shear force  $F_v$
- 3- moment  $M = F_v \times X$
- 4- when  $F_v = 0 \rightarrow M_{max}$