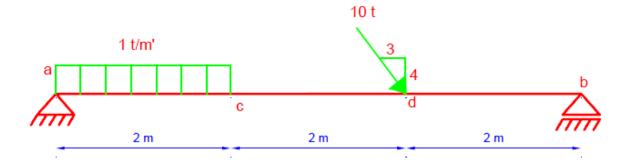
Problem 1

For the following beam Draw N.F.D, S.F.D and B.M.D



SOL.

REACTION.

$$\sum Fx = 0$$

$$\sum M\alpha = 0$$

$$-Yb \times 6 + 8 \times 4 + 2 \times 1 = 0$$

 $Yb = 5.667 t$

$$\sum Mb = 0$$

Check

$$\sum Fy = 0$$

