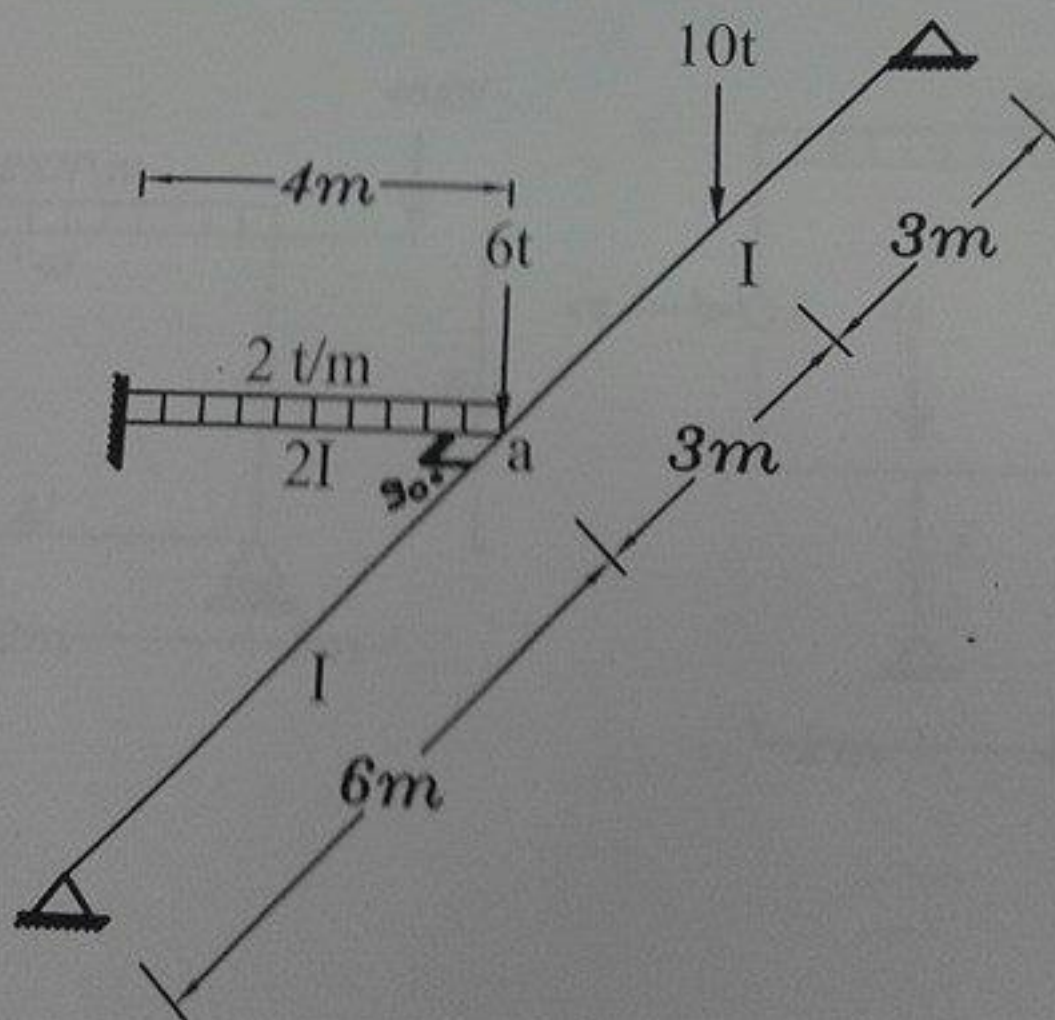
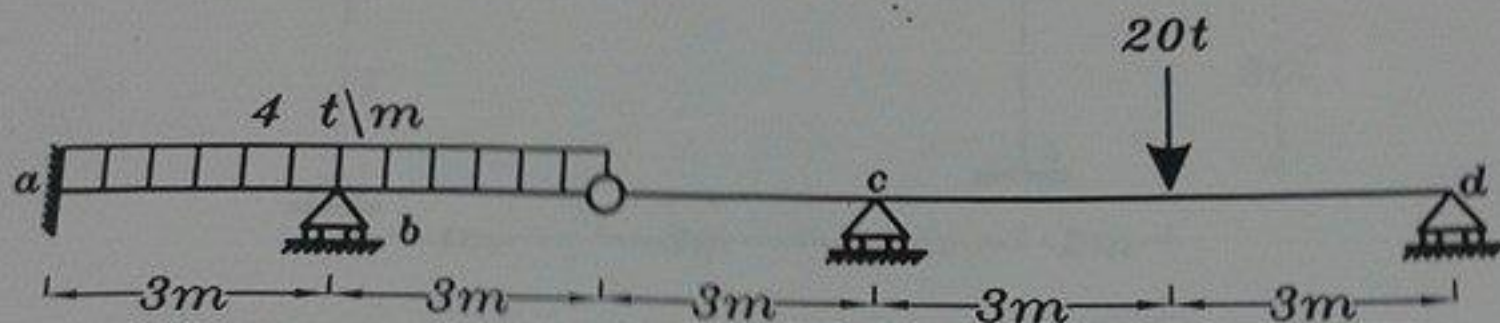
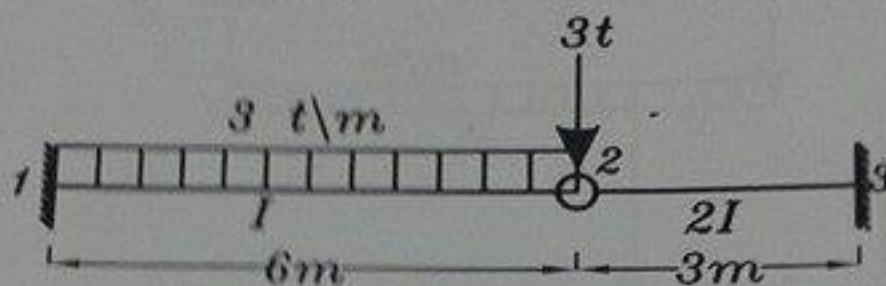
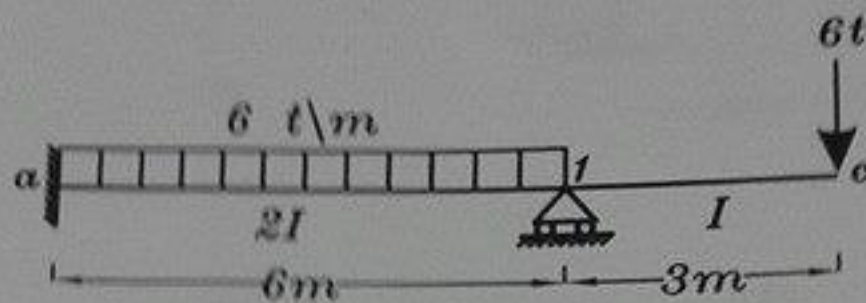


Sheet (1)  
Consistent Deformations

**Problem (1)**

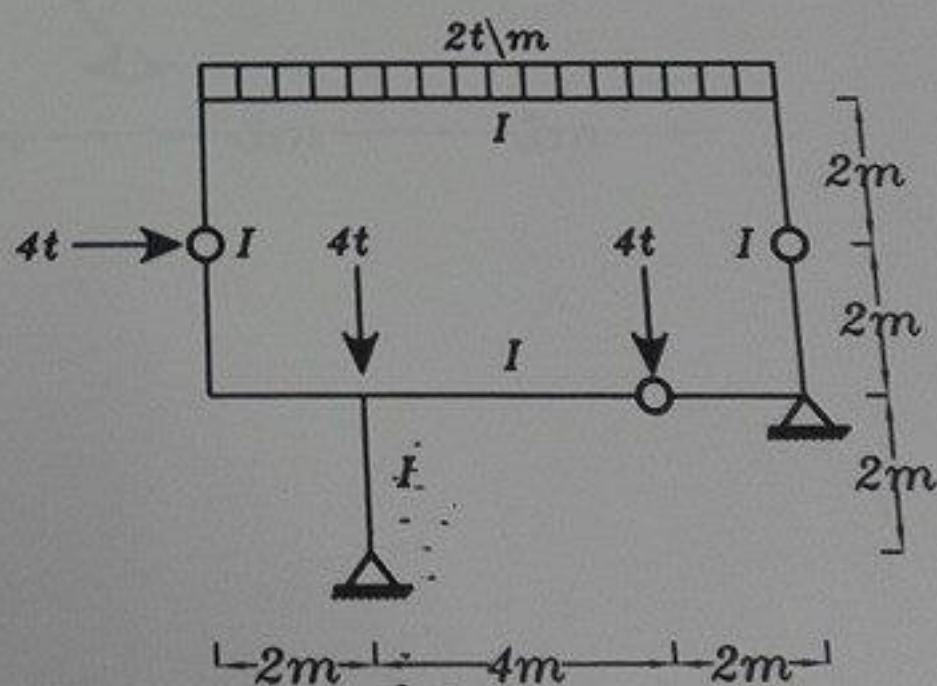
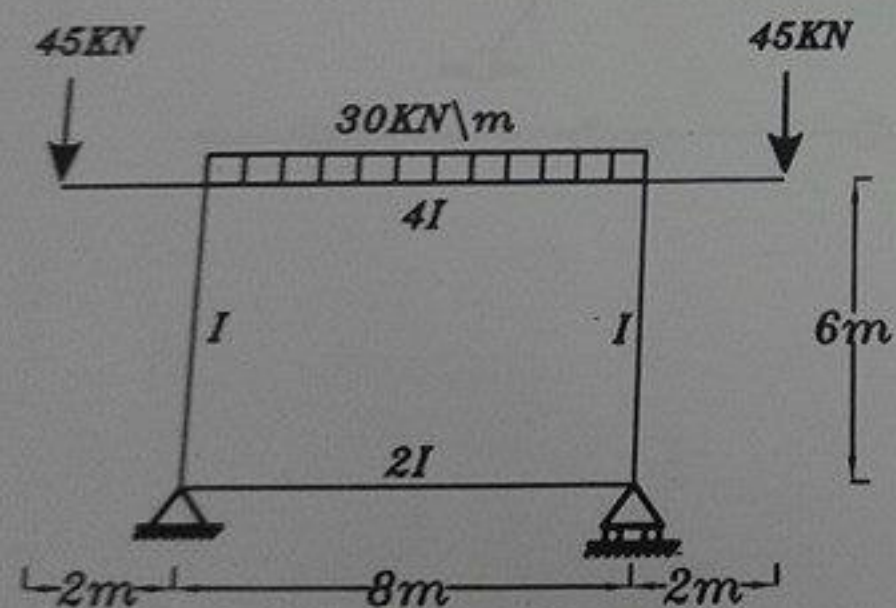
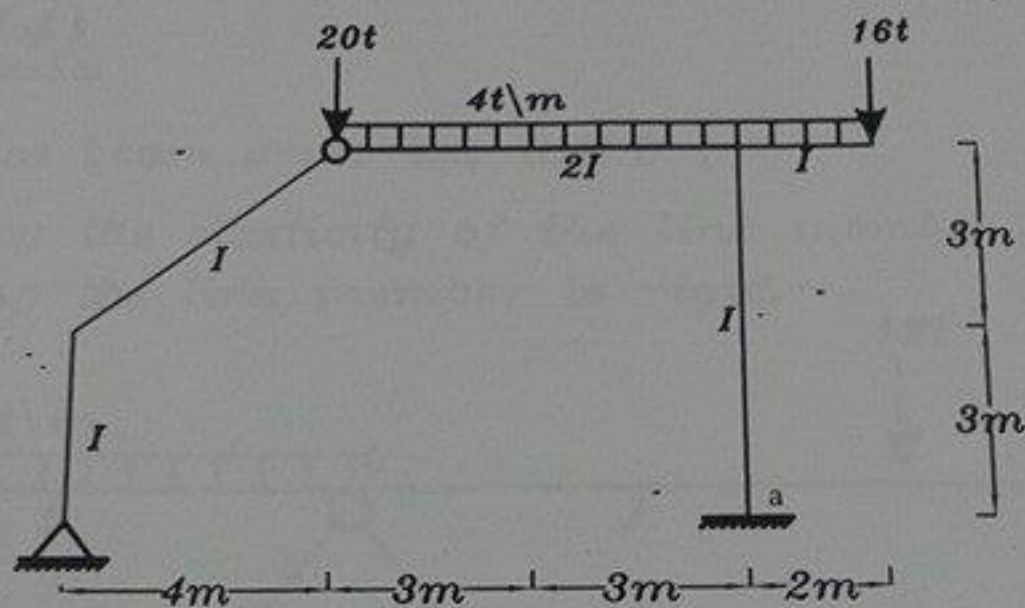
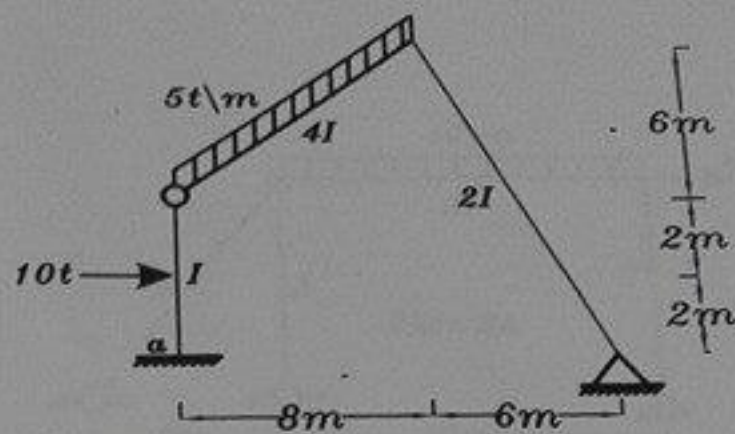
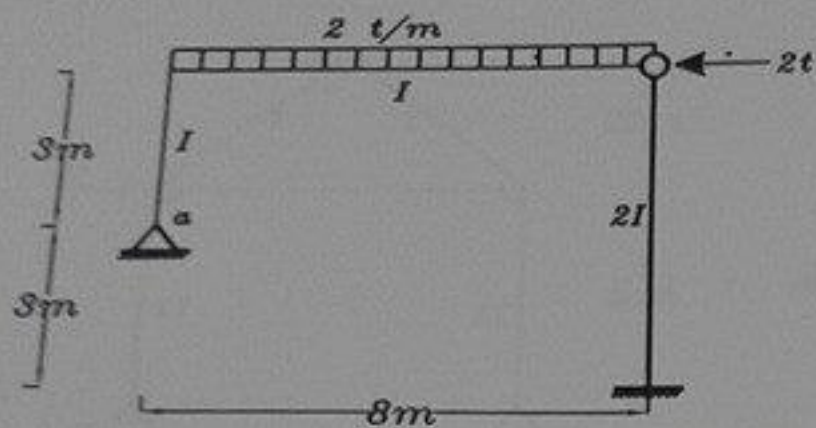
For the shown beams draw the B.M.D, and S.F.D.





## Problem (2)

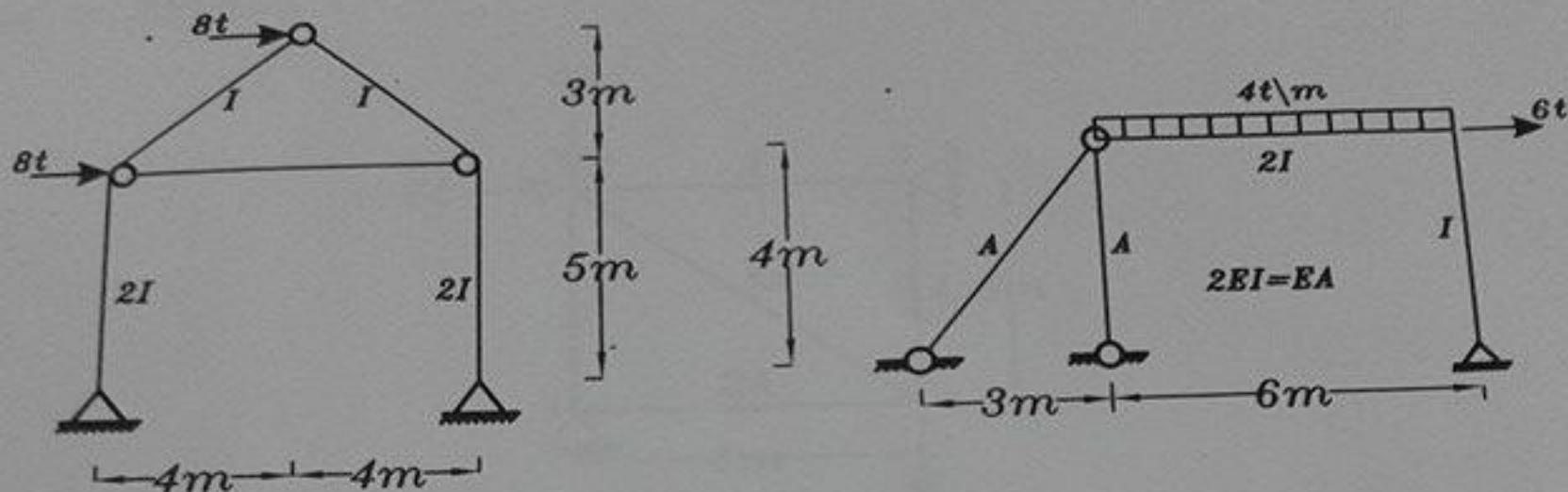
For the shown frames draw the B.M.D, and S.F.D .





### Problem (3)

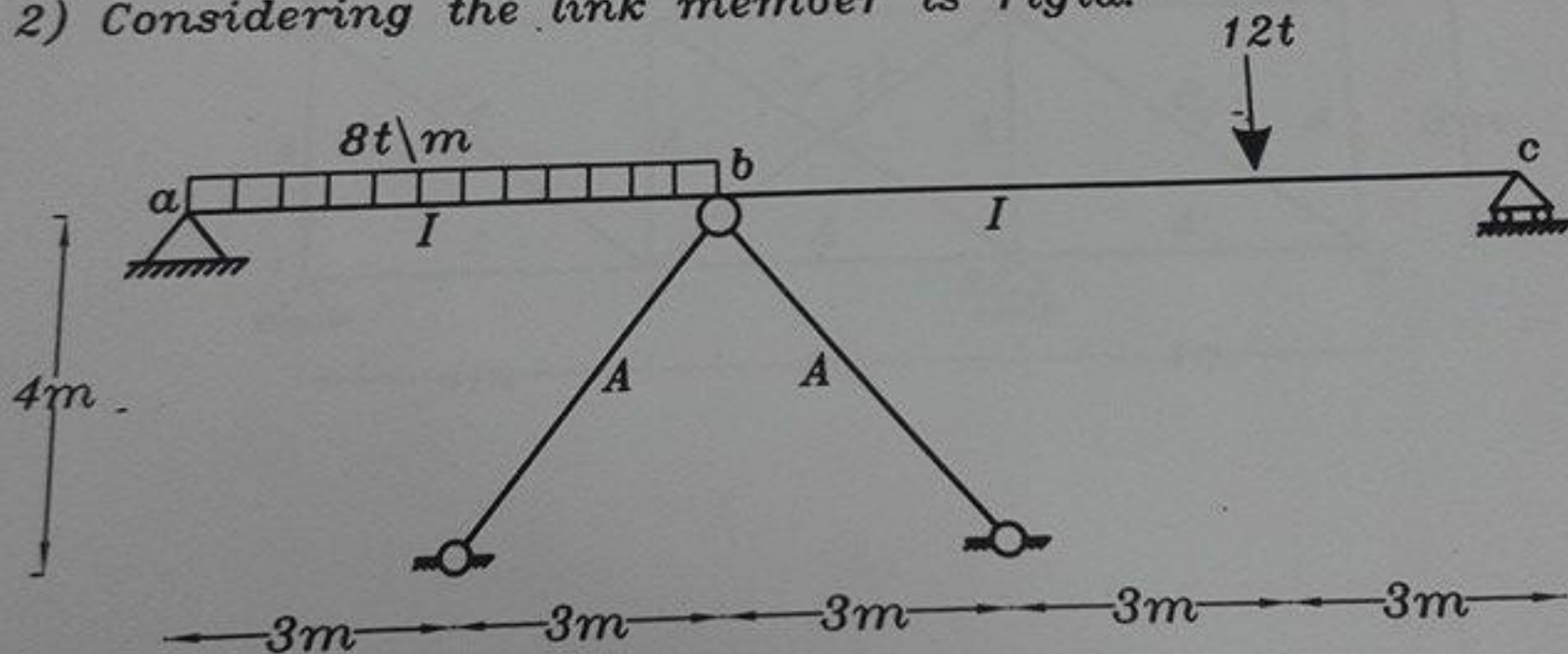
For the shown frames draw the B.M.D, and S.F.D .



### Problem (4)

For the shown beam draw the B.M.D .

- 1) Considering the elasticity of the link member ( $EI=5EA$ ).
- 2) Considering the link member is rigid.



### Problem (5)

For the shown Trusses calculate forces in all members.

$$EA = 200000 \text{ t}$$

