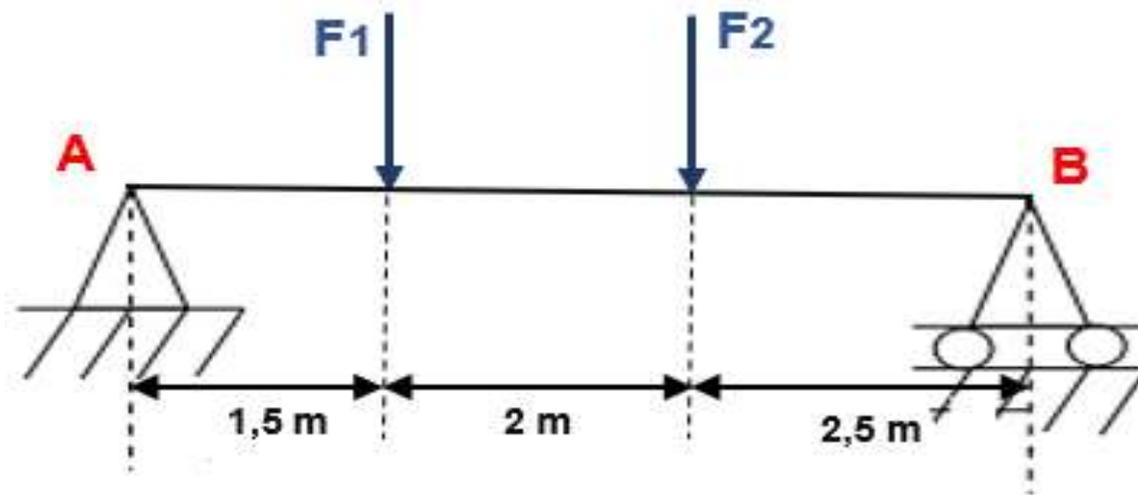


# Tutorial Series No. 4

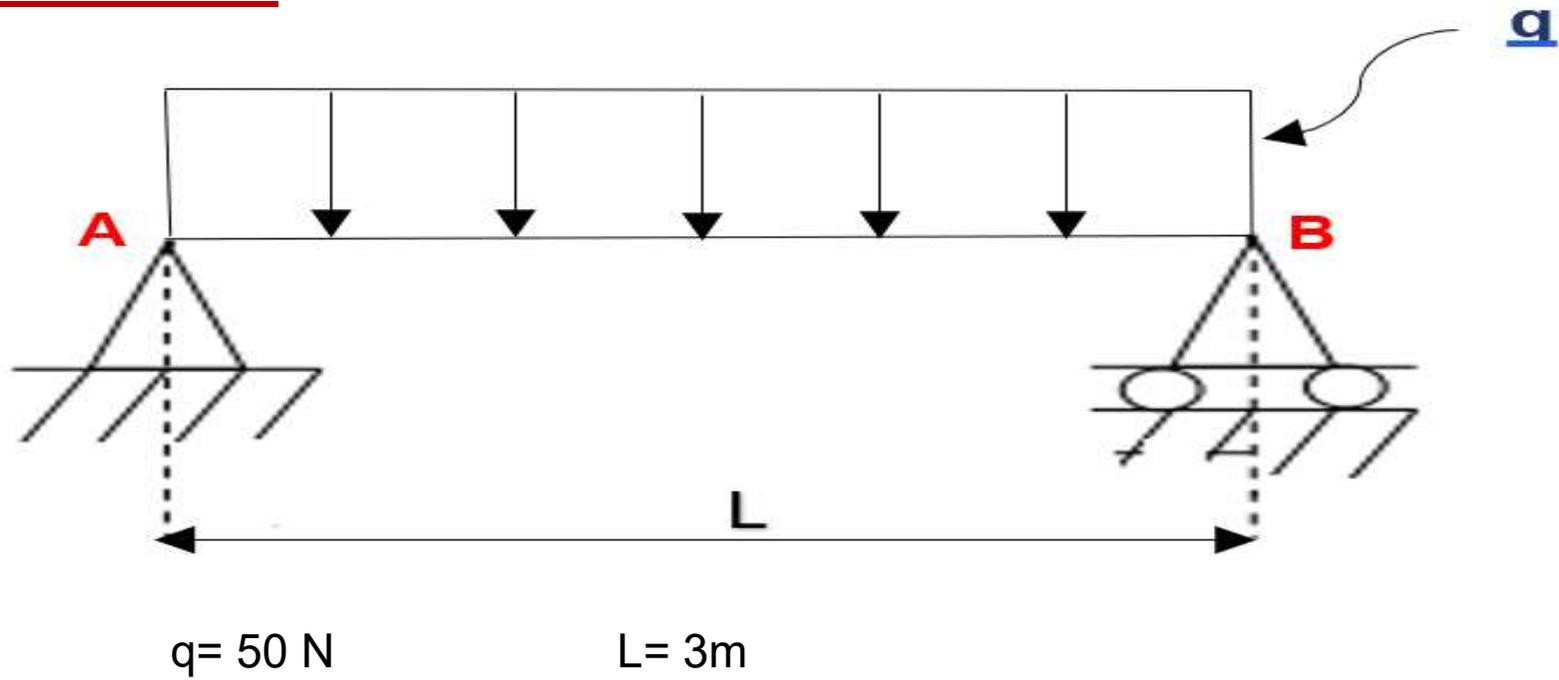
## Simple Plane Bending

# Exercise 1

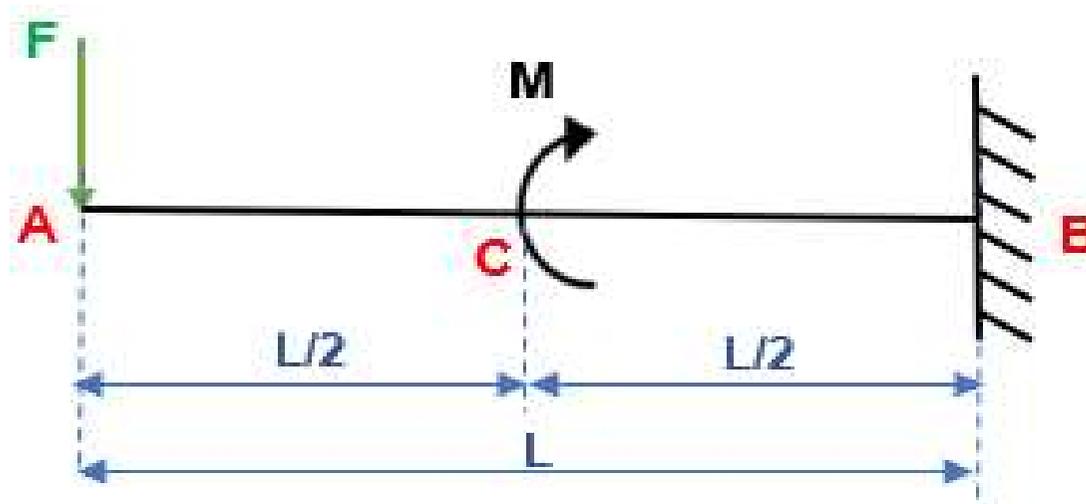


$F_1 = 200 \text{ daN}$  et  $F_2 = 300 \text{ daN}$

## Exercise 2



## Exercise 3

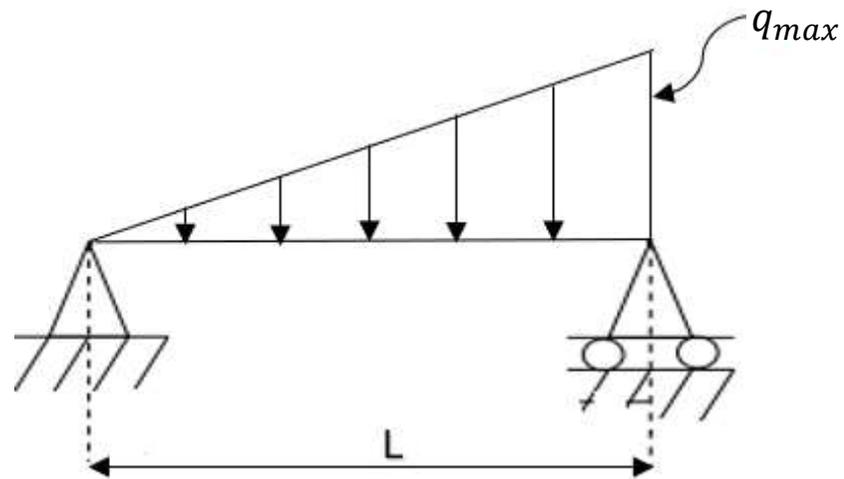


$$F = 100 \text{ N}$$

$$M = 20 \text{ KN,m}$$

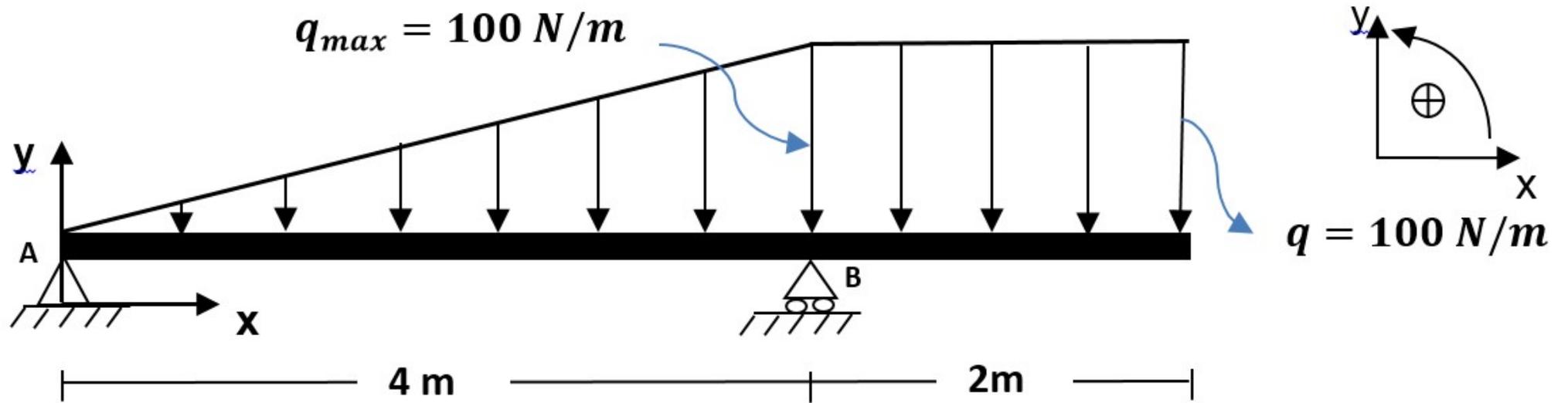
$$L = 2 \text{ m}$$

## Exercise 4

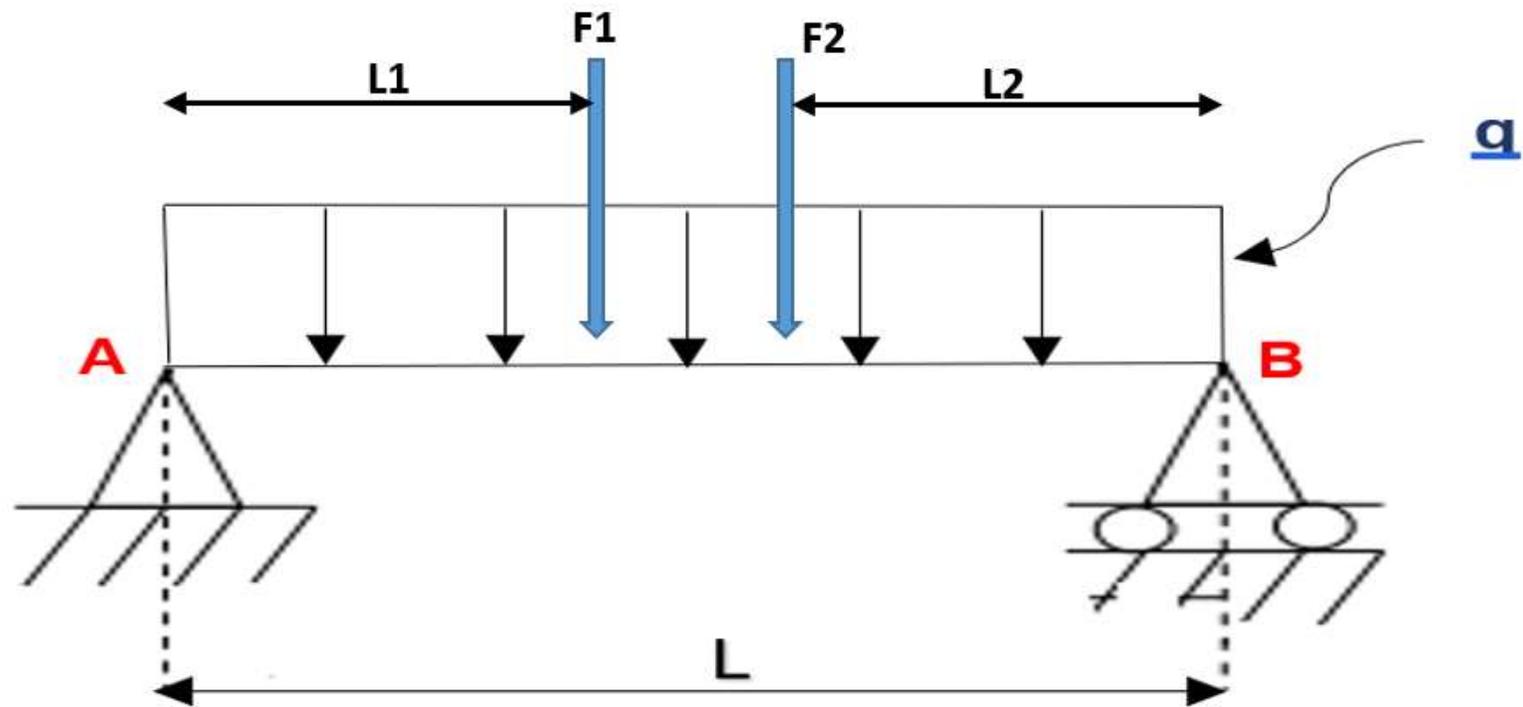


$$q_{max} = 100 \text{ N/ml}$$

$$L = 3 \text{ m}$$



## Exercise 6



$L = 4\text{ m}$  ;  $L_1 = 1\text{ m}$  ;  $L_2 = 2\text{ m}$  ;  $F_1 = 500\text{ N}$  ;  $F_2 = 800\text{ N}$  ;  $q = 100\text{ N/m}$