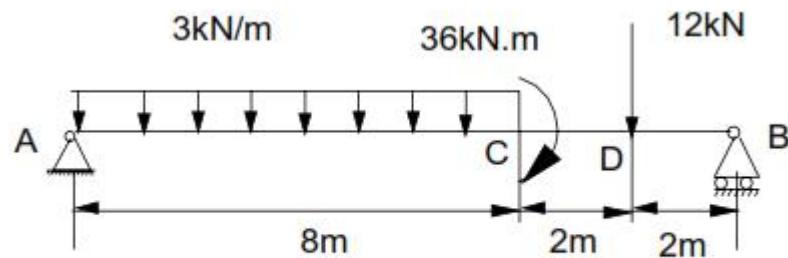


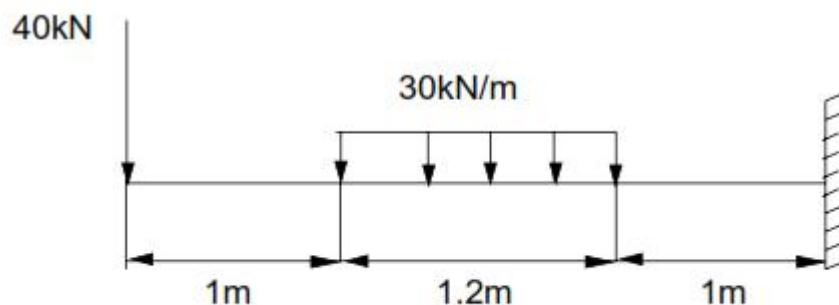
Série N°04 : Flexion simple des portiques (Calcul des efforts internes)

Exercice N°01 :

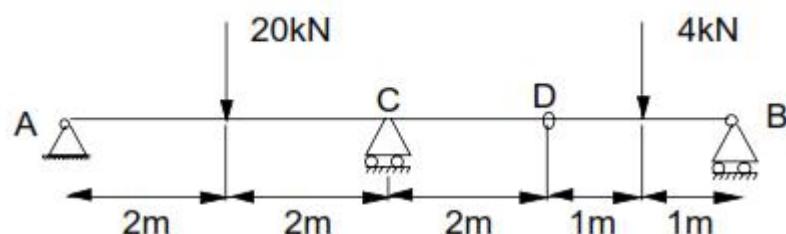
Construire les diagrammes des efforts tranchants et moments fléchissant pour les poutres de la Figure 01 et déduire les valeurs extrêmes.



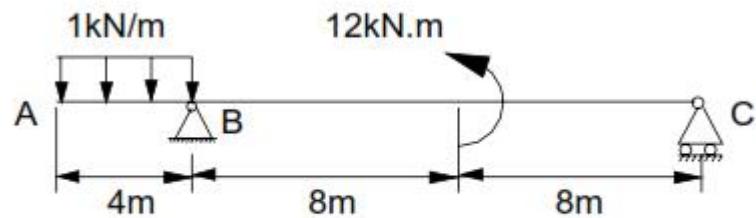
(a)



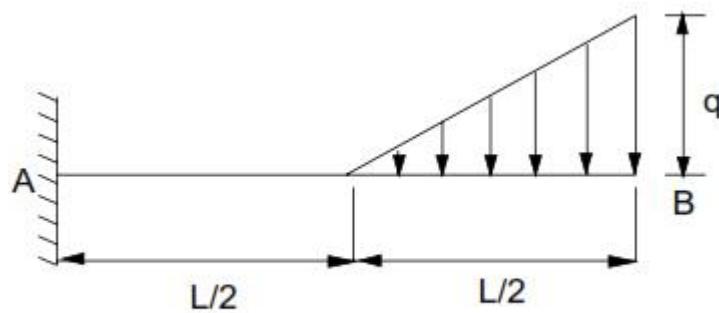
(b)



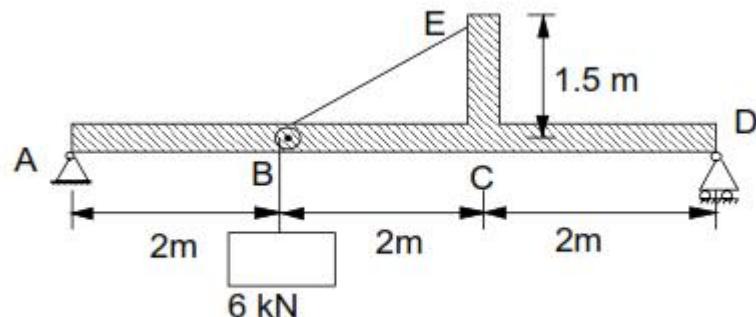
(c)



(d)



(e)



(f)

Figure 01

Exercice N°02 :

Déterminer les expressions et les diagrammes de M , N , T du portique de la Figure 01.

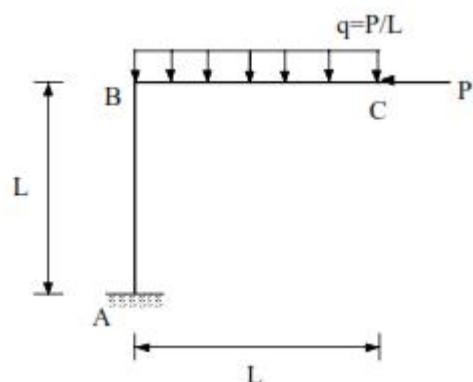
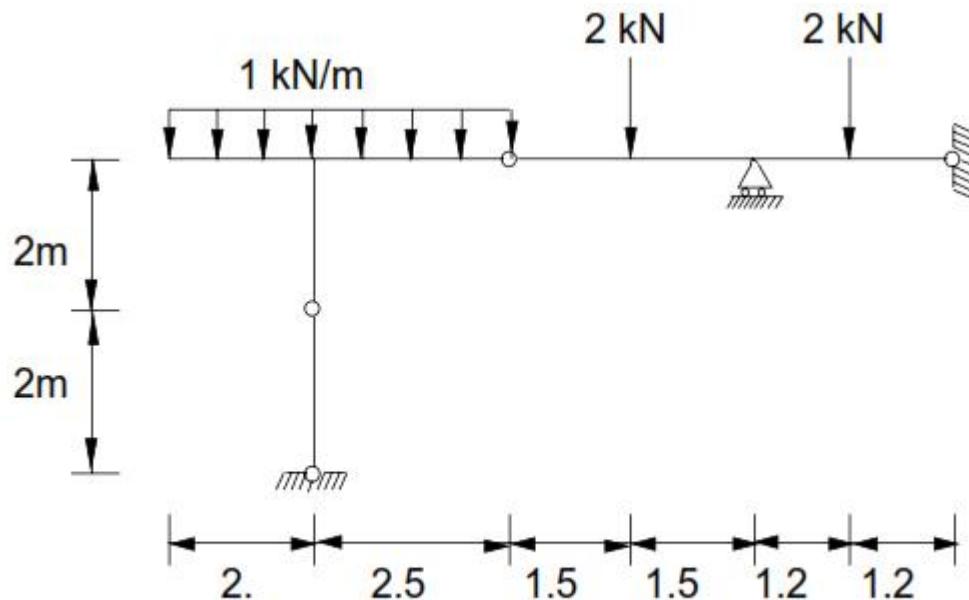


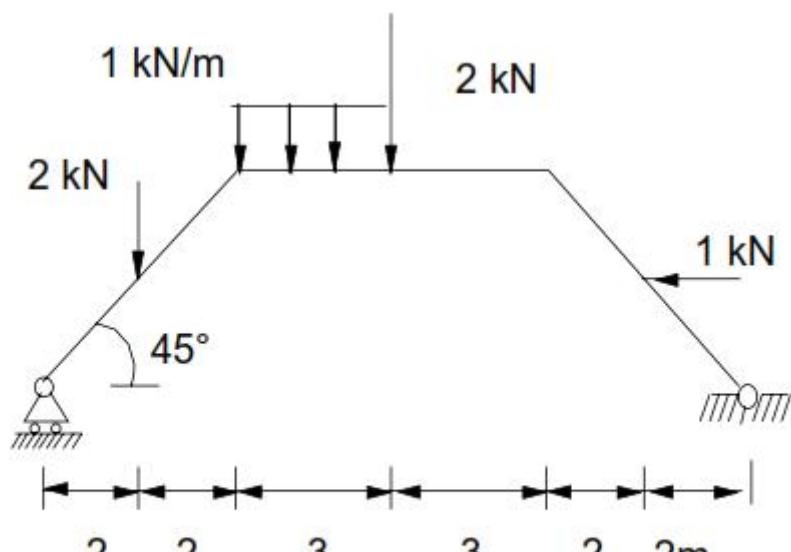
Figure 02

Exercice N°03 :

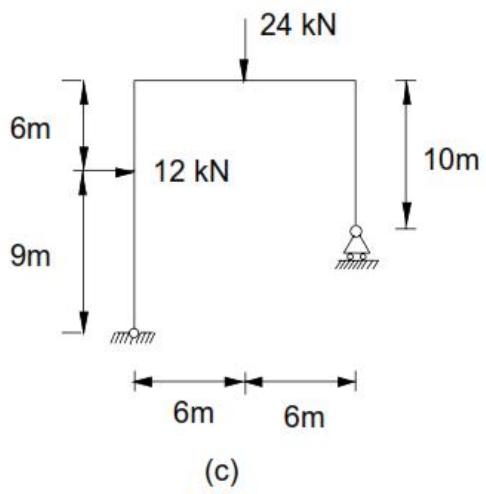
Construire les diagrammes des efforts tranchants et moments fléchissant pour les portiques isostatiques de la Figure 01.



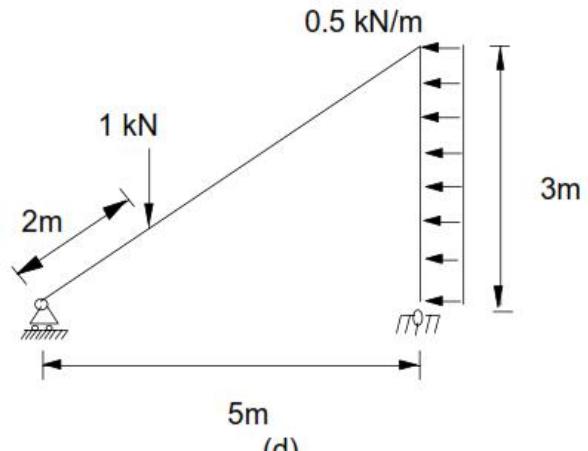
(a)



(b)



(c)



(d)

Figure 03