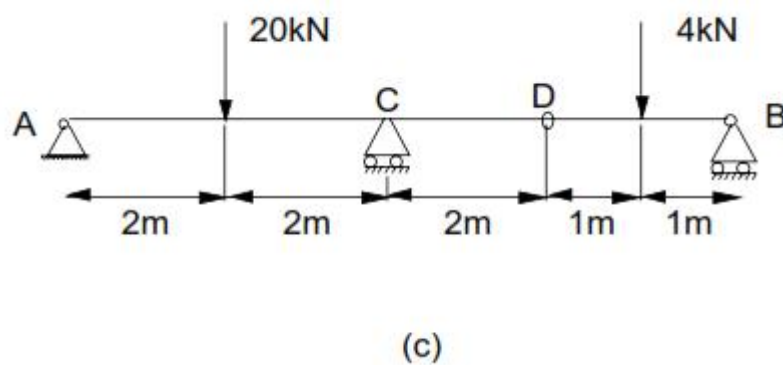
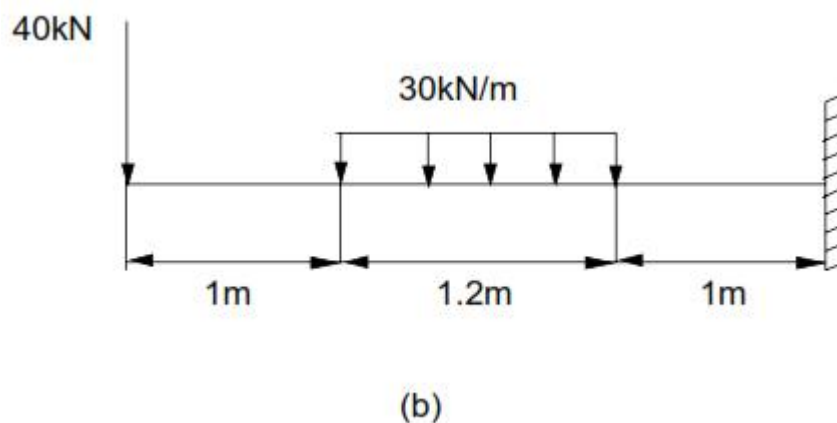
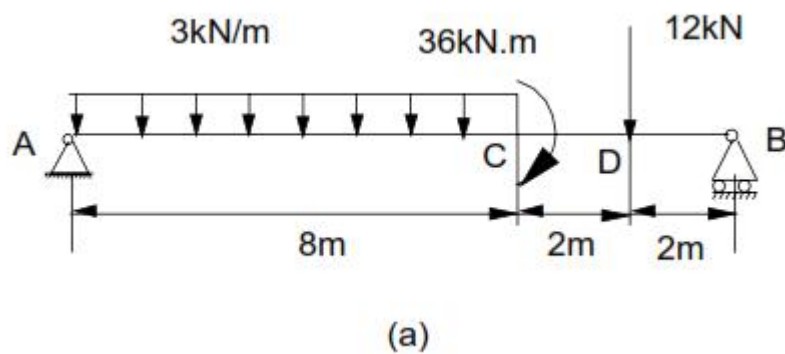
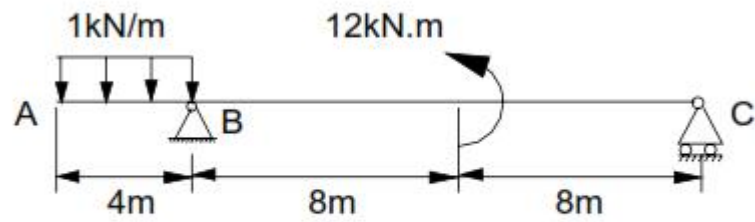


## Série N°04 : Flexion simple des portiques (Calcul des efforts internes)

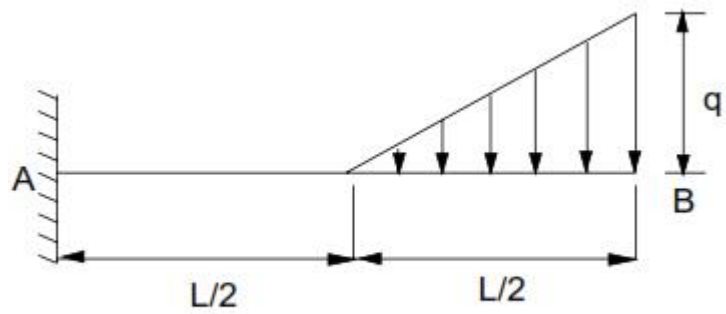
### Exercice N°01 :

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

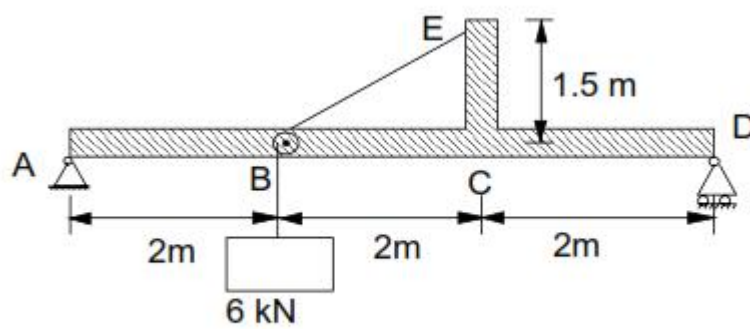




(d)



(e)

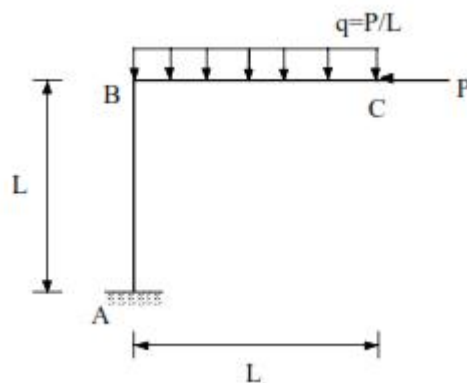


(f)

**Figure 01**

**Exercice N°02 :**

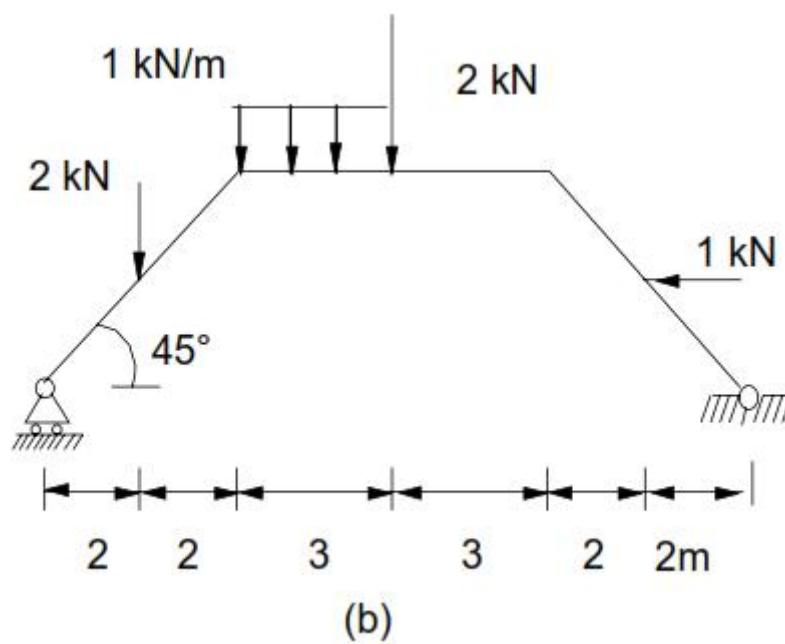
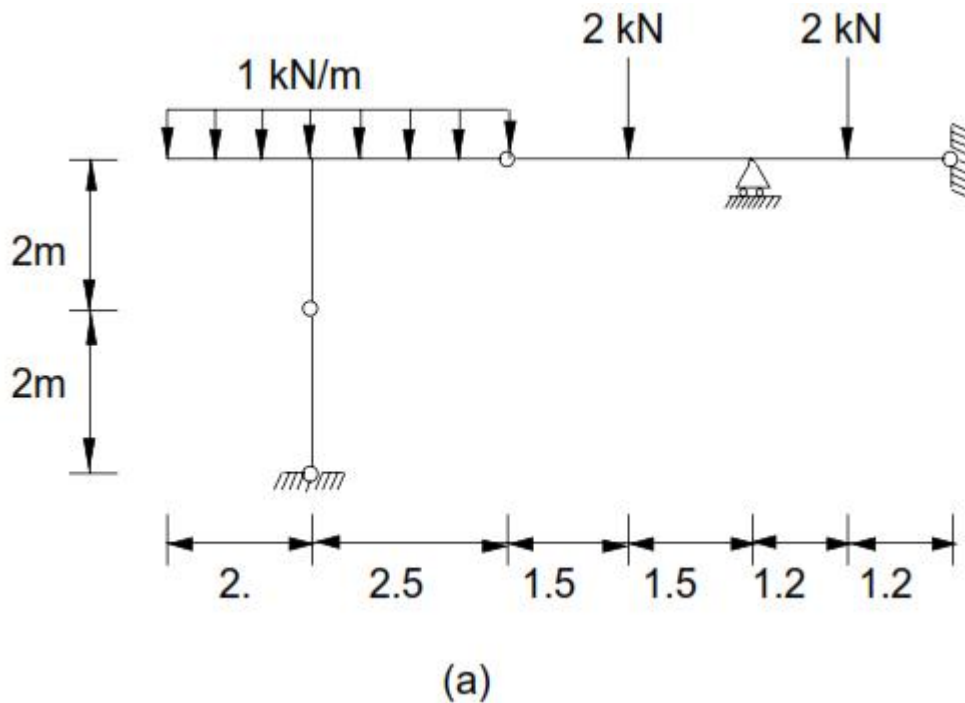
Déterminer les expressions et les diagrammes de M, N, T du portique de la Figure 02.

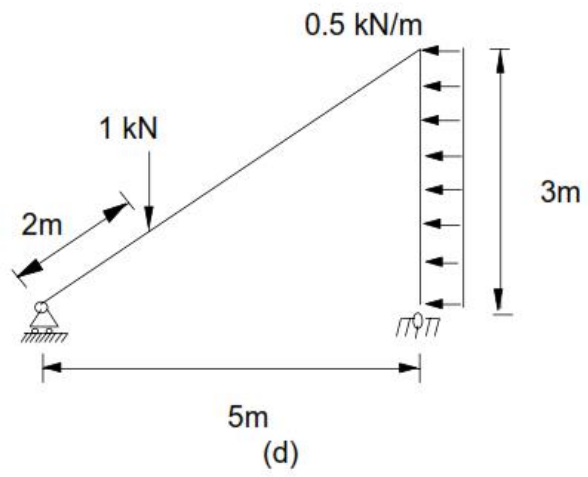
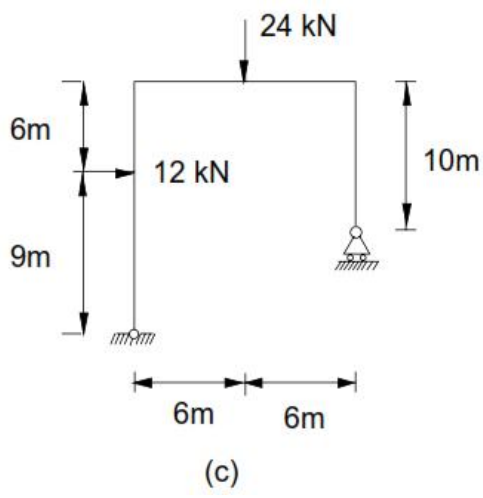


**Figure 02**

### Exercice N°03 :

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





**Figure 03**