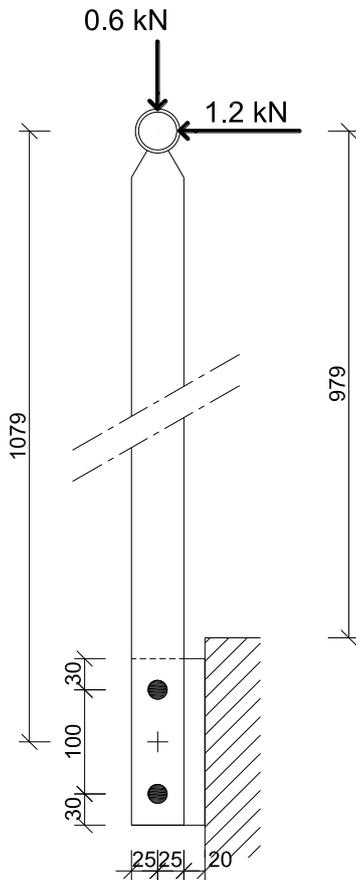
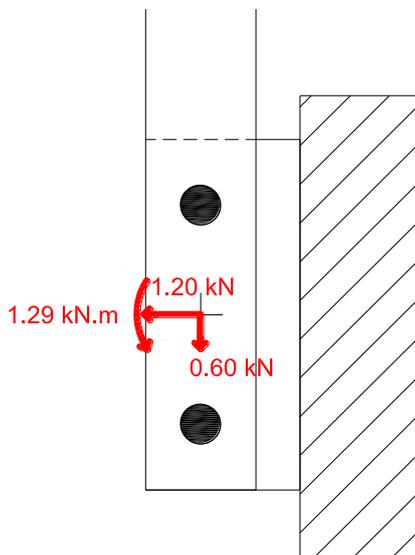


1. Présentation.



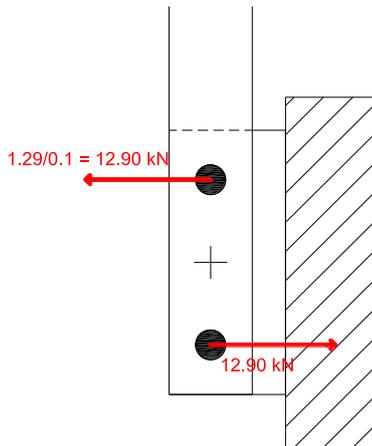
2. Travail demandé.

2.1. Calculer les efforts au centre de gravité des boulons.

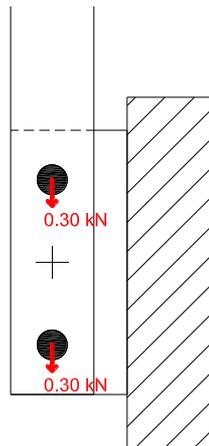
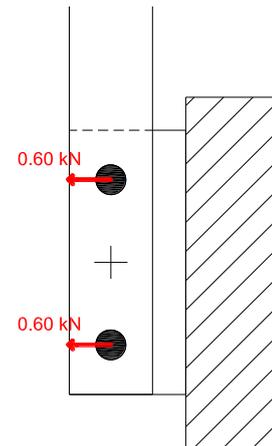
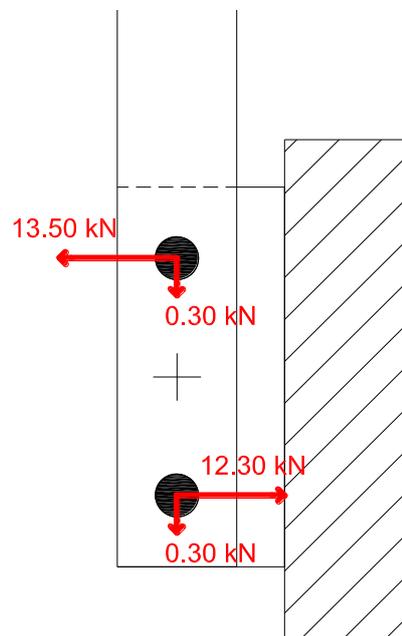


$$M_{Ed} = 1.2 * 1.079 = 1.29 \text{ kN.m}$$

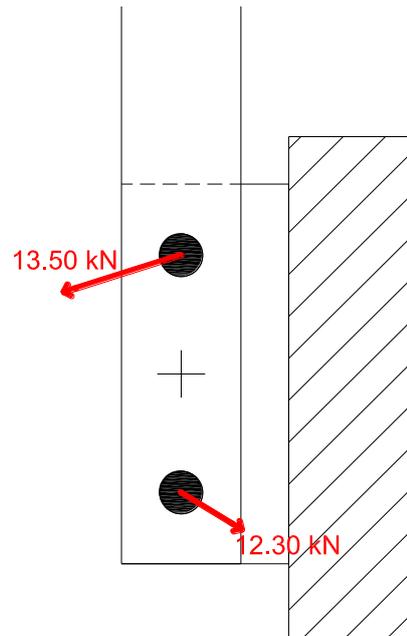
Bilan des actions au cdg

2.2. Calculer les composantes horizontales et verticales des efforts dans les boulons.

Efforts dus au moment

Efforts dus à la composante
verticaleEfforts dus à la composante
horizontale

Bilans

2.3. Calculer la résultante des efforts dans les boulons.

Résultantes