

ETC 3

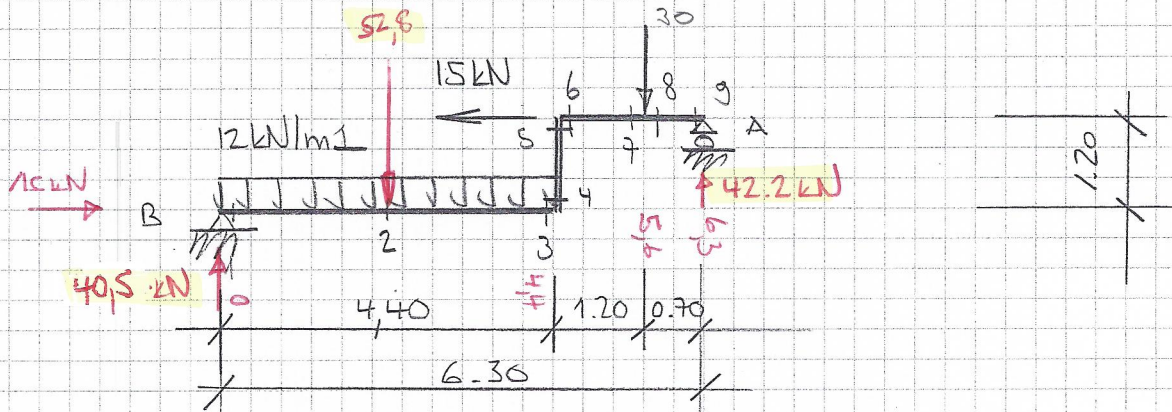
TE

12.01.21

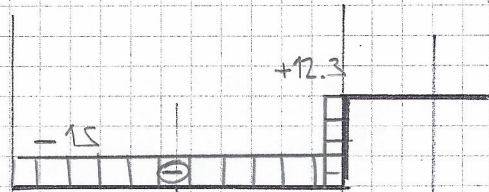
1

NOM: _____

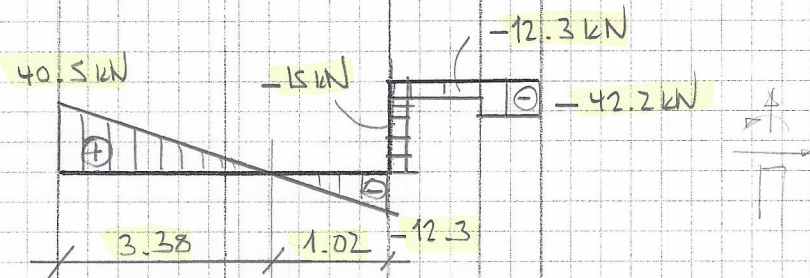
1. Déterminez les efforts intérieurs N, V, M de la structure ci-dessous. Donnez le diagramme précis des moments M^+/M^- et leur position.



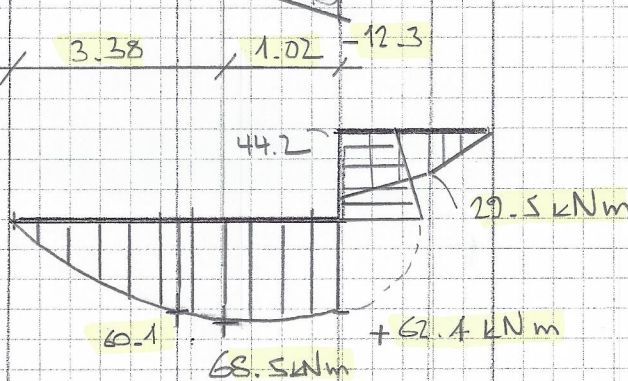
N



V



M

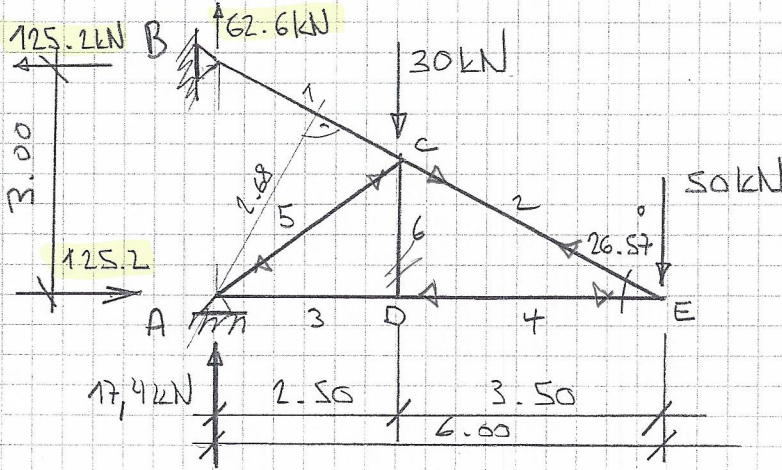


Points:

- Réactions : 3 pts
- Coupes : 7 pts
- Diagrammes :
 - N 5 pts
 - V 5 pts
 - M 10 pts
 - 30 pts

Nom :

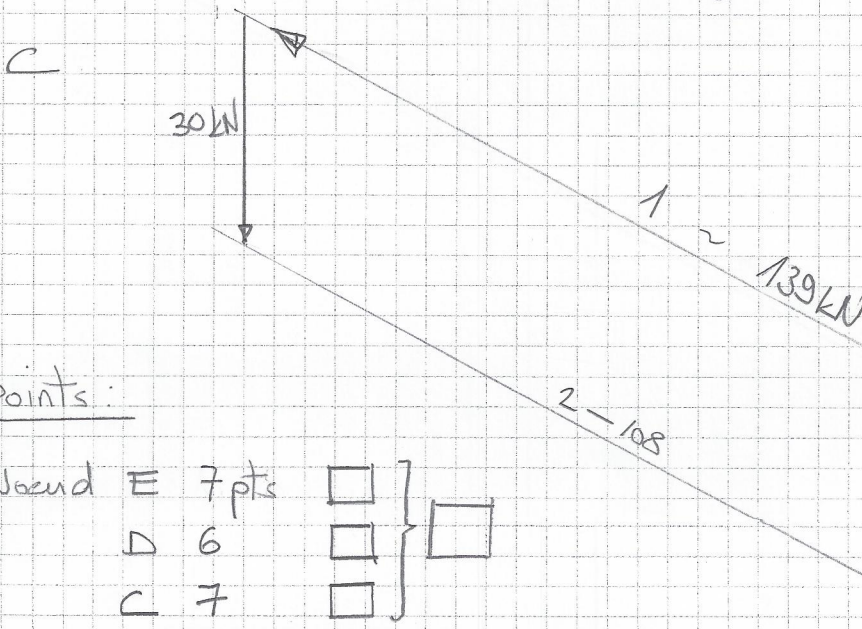
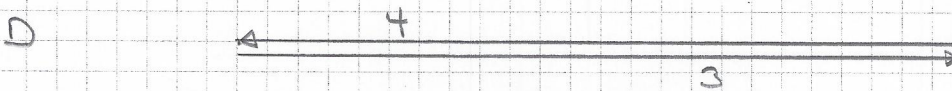
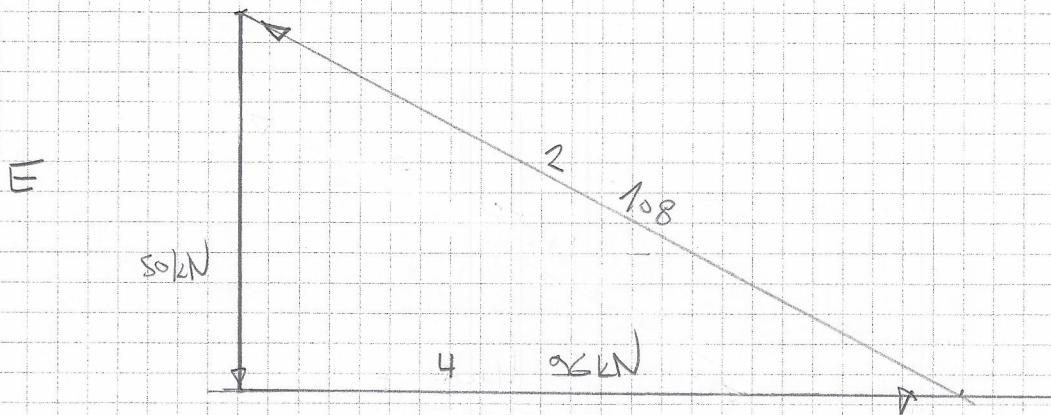
2. Déterminez les équilibres des nœuds et indiquez si les barres sont tendues/comprimées



10kN = 1cm

Dessin sur feuille

N°	kN	+/-
1	139	
2	108	+
3	96	-
4	96	-
5	30	-
6	0	



Points:

Nœud E	7 pts	<input type="checkbox"/>	}	<input type="checkbox"/>
D	6	<input type="checkbox"/>		
C	7	<input type="checkbox"/>		
		20 pts		