

Answers: All forces in kN and moments in kNm

The normal force in a bar positive as a tensile force and negative as a compressive force

1a. $A_h = 3 (\rightarrow); A_v = 4 (\uparrow); N^{(AS)} = -5$

$B_h = 9 (\leftarrow); B_v = 4 (\uparrow); B_m = 36 (\odot)$

2a. $A_h = 3,75 (\rightarrow); A_v = 5 (\uparrow); N^{(AS)} = -6,25$

$B_h = 3,75 (\leftarrow); B_v = 5 (\uparrow); B_m = 15 (\odot)$

3a. $A_h = 3 (\rightarrow); A_v = 4 (\uparrow); N^{(AS)} = -5$

$B_h = 3 (\rightarrow); B_v = 4 (\uparrow); B_m = 12 (\odot)$