Remarks: See §5.5, page 176 till 183

Answers: All forces in kN and moments in kNm

The normal force in a bar positive as a tensile force

1. $A_h = 0$; $A_v = 24\ (\uparrow)$; $B_v = 12\ (\uparrow)$

   $N^{(BD)} = +4\sqrt{17} = +16,49$

   $N^{(BC)} = -16\sqrt{2} = -22,63$

   ADC isn't a two-force member

2. $A_h = 0$; $A_v = 6\ (\uparrow)$; $B_v = 30\ (\uparrow)$

   $N^{(BD)} = +4\sqrt{17} = +16,49$

   ADC and BC aren't two-force members

3. $A_h = 0$; $A_v = 12\ (\uparrow)$; $B_v = 24\ (\uparrow)$

   $N^{(BC)} = -8\sqrt{2} = -11,31$

   ADC and BC aren't two-force members