

Opmerkingen: Zie §5.4, blz. 164 t/m 167

Antwoorden: Alle krachten in kN

De normaalkracht in AB is als trekkracht positief
en als drukkracht negatief

1a. $A_v = 18 (\uparrow)$; $B_h = 0$; $B_v = 18 (\uparrow)$

1b. $N^{(AB)} = +3\sqrt{17} = +12,37$

2a. $A_h = 0$; $A_v = 18 (\uparrow)$; $B_v = 18 (\uparrow)$

2b. $N^{(AB)} = +3\sqrt{17} = +12,37$

3a. $A_v = 11 (\uparrow)$; $B_h = 4 (\rightarrow)$; $B_v = 1 (\uparrow)$

3b. $N^{(AB)} = +1,25\sqrt{17} = +5,15$

4a. $A_h = 4 (\rightarrow)$; $A_v = 10 (\uparrow)$; $B_v = 2 (\uparrow)$

4b. $N^{(AB)} = +0,25\sqrt{17} = +1,03$

5a. $A_v = 8 (\downarrow)$; $B_h = 16 (\leftarrow)$; $B_v = 8 (\uparrow)$

5b. $N^{(AB)} = -2,75\sqrt{17} = -11,34$

6a. $A_h = 16 (\leftarrow)$; $A_v = 4 (\downarrow)$; $B_v = 4 (\uparrow)$

6b. $N^{(AB)} = +1,25\sqrt{17} = +5,15$

7a. $A_v = B_h = B_v = 0$

7b. $N^{(AB)} = -0,75\sqrt{17} = -3,09$

8a. $A_h = A_v = B_v = 0$

8b. $N^{(AB)} = -0,75\sqrt{17} = -3,09$