

Opmerkingen: Zie §5.1, blz. 145 t/m 153 en in het bijzonder voorbeeld 2 op blz. 147 ev.

Antwoorden: Alle krachten in kN
 N positief als trekkracht en negatief als drukkracht

1b. $N^{(a)} = +30\sqrt{2}$; $N^{(b)} = -90$; $N^{(c)} = +60\sqrt{2}$

2b. $N^{(a)} = +30\sqrt{2}$; $N^{(b)} = -30\sqrt{2}$; $N^{(c)} = -30$

3b. $N^{(a)} = -30\sqrt{2}$; $N^{(b)} = +30$; $N^{(c)} = -30\sqrt{2}$

4b. $N^{(a)} = 0$; $N^{(b)} = +30\sqrt{2}$; $N^{(c)} = -60$

5b. $N^{(a)} = -30\sqrt{2}$; $N^{(b)} = -30$; $N^{(c)} = -30\sqrt{2}$

6b. $N^{(a)} = +30\sqrt{2}$; $N^{(b)} = 0$; $N^{(c)} = -90$

7b. $N^{(a)} = 0$; $N^{(b)} = -10\sqrt{2}$; $N^{(c)} = -20\sqrt{2}$

8b. $N^{(a)} = -90\sqrt{2}$; $N^{(b)} = +90\sqrt{2}$; $N^{(c)} = -30\sqrt{2}$

9b. $N^{(a)} = -30\sqrt{2}$; $N^{(b)} = +20\sqrt{2}$; $N^{(c)} = -20\sqrt{2}$

10b. $N^{(a)} = +30\sqrt{2}$; $N^{(b)} = -60\sqrt{2}$; $N^{(c)} = 0$