## **ANSWERS - VOLUME 1: EQUILIBRIUM**

Chapter 9, Trusses

problem 9.53, page 376

Remarks: See §9.3.1, page 337 till 351.

## Answers:

$$N = +200\sqrt{2} \text{ kN} = +282,84 \text{ kN}$$

## Hints:

Look at the horizontal force equilibrium of the part above or under a cut through the bold printed member.

## Additional answers:

Recognize a three hinged frame:

• Vertical support reactions: 300 kN

• Horizontal support reactions: 200 kN