

Remarks: See §9.3.1, page 337 till 351
and example 2 on page 341.

Answers:

$$N^{(1)} = +168 \text{ kN}$$

$$N^{(2)} = -27\sqrt{37} \text{ kN} = -164,23 \text{ kN}$$

$$N^{(3)} = +35 \text{ kN}$$

$$N^{(4)} = -6\sqrt{2} \text{ kN} = -8,49 \text{ kN}$$

$$N^{(5)} = +54 \text{ kN}$$