

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

Answers:

$$N^{(1)} = +56 \text{ kN}$$

$$N^{(2)} = -6\sqrt{37} \text{ kN} = -36,50 \text{ kN}$$

$$N^{(3)} = +32\frac{2}{3} \text{ kN} = +32,67 \text{ kN}$$

$$N^{(4)} = -20\sqrt{2} \text{ kN} = -28,28 \text{ kN}$$

$$N^{(5)} = +12 \text{ kN}$$