Remarks: See §9.3.2, page 351 till 363

Answers:

$N^{(1)} = +30 \text{ kN}$
$N^{(2)} = +30\sqrt{5} \text{ kN} = +67,08 \text{ kN}$
$N^{(3)} = 0$
$N^{(4)} = -60\sqrt{2} \text{ kN} = -84,85 \text{ kN}$
$N^{(5)} = -60 \text{ kN}$
$N^{(6)} = +30\sqrt{5} \text{ kN} = +67,08 \text{ kN}$
$N^{(7)} = -60 \text{ kN}$

Remarks:

First calculate the support reactions in A.
$A_h = 60 \text{ kN } (\rightarrow)$; $A_v = 30 \text{ kN } (\uparrow)$
Start in A with joint a equilibrium
Take as a scale for the force polygons $10 \text{ kN} \equiv 1 \text{ cm}$.