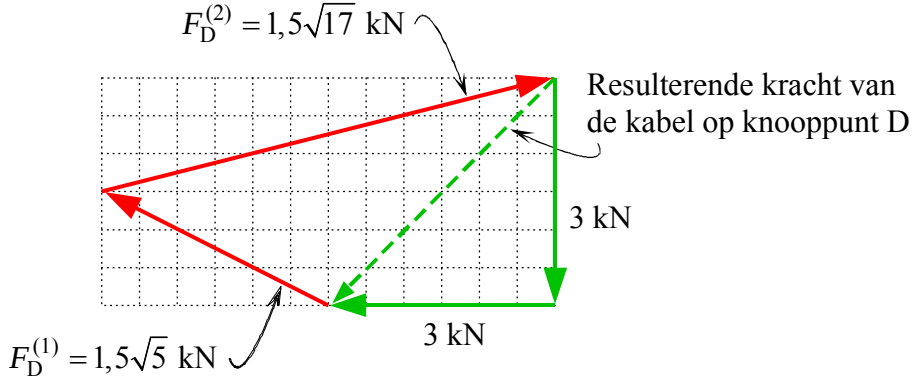
Remarks: See §9.3.2, page 351 till 363

Answers:

$N^{(1)} = +1,5\sqrt{2}\ \text{kN} = +2,12\ \text{kN}$
$N^{(2)} = -1,5\sqrt{17}\ \text{kN} = -6,18\ \text{kN}$
$N^{(3)} = +\sqrt{5}\ \text{kN} = +2,24\ \text{kN}$
$N^{(4)} = +2\sqrt{2}\ \text{kN} = +2,83\ \text{kN}$
$N^{(5)} = -0,5\ \text{kN}$



Remarks:

Joint order: D → C → B → A
From the joint equilibrium in A and B you´ll find the support reactions.
$B_h = 4\ \text{kN}\ (\rightarrow)$
$A_h = 4\ \text{kN}\ (\leftarrow)\ ;\ A_v = 3\ \text{kN}\ (\uparrow)$
The figure shows the force polygon for joint D with scale: 1 square ≡ 0,5 kN