Remarks: See §5.1, page 154 till 162

And the examples 3 on page 157

Answers:

1. $N^{(a)}$ follows from horizontal equilibrium, $N^{(c)}$ follows from moment equilibrium about S_{ab} , and so on..

$N^{(a)} = -40\sqrt{10}$ kN

$N^{(b)} = +60$ kN

$N^{(c)} = +20$ kN

2. $N^{(a)}$ follows from moment equilibrium about S_{bc} , $N^{(b)}$ follows from horizontal equilibrium, and so on..

$N^{(a)} = -60$ kN

$N^{(b)} = -40\sqrt{10}$ kN

$N^{(c)} = +140$ kN

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