

Remarks: See §14.1, page 632 till 674

Answers:

14.1-1:

$$A_h = 43.2 \text{ kN}$$

$$A_v = 32.4 \text{ kN}$$

$$B_h = 43.2 \text{ kN}$$

$$B_v = 21.6 \text{ kN}$$

Maximum cableforce = 54 kN (in cable a)

14.1-2:

$$A_h = A_v = B_h = B_v = 27 \text{ kN (tensile force in the cables)}$$

Maximum cableforce = $27\sqrt{2}$ in both cables