

Remarks: See §5.3, page 168 till 172

Answers: All forces in kN

1. $A_h = 30$ (←); $A_v = 30$ (↓); $B_h = 30$ (←); $B_v = 30$ (↑)

2. $A_h = 32$ (←); $A_v = 24$ (↓); $B_h = 18$ (←); $B_v = 24$ (↑)

3. $A_h = 24$ (→); $A_v = 24$ (↑); $B_h = 24$ (←); $B_v = 36$ (↑)

4. $A_h = 15$ (→); $A_v = 30$ (↑); $B_h = 30$ (→); $B_v = 30$ (↓)

5. $A_h = 10$ (→); $A_v = 20$ (↑); $B_h = 10$ (←); $B_v = 20$ (↑)

6. $A_h = 10$ (←); $A_v = 20$ (↓); $B_h = 20$ (←); $B_v = 20$ (↑)

7. $A_h = 15$ (→); $A_v = 15$ (↑); $B_h = 15$ (←); $B_v = 20$ (↑)

8. $A_h = 15$ (→); $A_v = 10$ (↑); $B_h = 15$ (←); $B_v = 10$ (↓)

9. $A_h = 10$ (→); $A_v = 30$ (↑); $B_h = 10$ (←); $B_v = 20$ (↑)

10. $A_h = 30$ (→); $A_v = 65$ (↑); $B_h = 30$ (←); $B_v = 15$ (↑)

11. $A_h = 10$ (←); $A_v = 5$ (↓); $B_h = 10$ (←); $B_v = 5$ (↑)