Remarks: See §5.3, page 168 till 172

Answers: All forces in kN

Only the size of the interaction forces in S is given.

1. $A_h = 3\ (\rightarrow);\ A_v = 4\ (\uparrow);\ B_h = 3\ (\leftarrow);\ B_v = 8\ (\uparrow)$
   $S_h = 3;\ S_v = 4$

2. $A_h = A_v = 0;\ B_h = 6\ (\leftarrow);\ B_v = 12\ (\uparrow)$
   $S_h = 6;\ S_v = 0$

3. $A_h = 3\ (\leftarrow);\ A_v = 10\ (\uparrow);\ B_h = 9\ (\leftarrow);\ B_v = 14\ (\uparrow)$
   $S_h = 6;\ S_v = 2$

4. $A_h = 9\ (\rightarrow);\ A_v = 18\ (\uparrow);\ B_h = 9\ (\leftarrow);\ B_v = 6\ (\uparrow)$
   $S_h = 9;\ S_v = 6$

5. $A_h = 6\ (\rightarrow);\ A_v = 16\ (\uparrow);\ B_h = 6\ (\leftarrow);\ B_v = 0$
   $S_h = 6;\ S_v = 0$

6. $A_h = 3\ (\leftarrow);\ A_v = 2\ (\downarrow);\ B_h = 5\ (\leftarrow);\ B_v = 2\ (\uparrow)$
   $S_h = 3;\ S_v = 2$

7. $A_h = 30\ (\leftarrow);\ A_v = 10\ (\downarrow);\ B_h = 10\ (\leftarrow);\ B_v = 10\ (\uparrow)$
   $S_h = 10;\ S_v = 10$

8. $A_h = 30\ (\rightarrow);\ A_v = 30\ (\uparrow);\ B_h = 30\ (\leftarrow);\ B_v = 50\ (\uparrow)$
   $S_h = 30;\ S_v = 30$

9. $A_h = 35\ (\leftarrow);\ A_v = 30\ (\downarrow);\ B_h = 25\ (\leftarrow);\ B_v = 30\ (\uparrow)$
   $S_h = 5;\ S_v = 30$