Remarks: See §5.1, page 154 till 162

Hints:

Resolve the diagonal forces in their horizontal and vertical components

Answers:

Forces in Kn

1. $A_v = 7\ (\uparrow);\ B_h = 2\ (\rightarrow);\ B_v = 3\ (\uparrow)$

2. $A_v = 0;\ B_h = 0;\ B_v = 6\ (\uparrow)$

3. $A_v = 4,75\sqrt{2}\ (\uparrow);\ B_h = 2,5\sqrt{2}\ (\rightarrow);\ B_v = 2,25\sqrt{2}\ (\downarrow)$

   of: $A_v = 6,72\ (\uparrow);\ B_h = 3,54\ (\rightarrow);\ B_v = 3,18\ (\downarrow)$

4. $A_v = 3,3\ (\uparrow);\ B_h = 0;\ B_v = 1,8\ (\downarrow)$

5. $A_v = 1,2\ (\uparrow);\ B_h = 0;\ B_v = 1,2\ (\downarrow)$

6. $A_h = 3\ (\rightarrow);\ A_v = 4\ (\uparrow);\ B_v = 5\ (\uparrow)$

7. $A_h = 8\ (\rightarrow);\ A_v = 4\ (\uparrow);\ B = 5\sqrt{2}\ (\nwarrow)$

8. $A_h = 3\ (\rightarrow);\ A_v = 5\ (\uparrow);\ B_v = 4\ (\uparrow)$

9. $A_v = 5\ (\uparrow);\ B_h = 3\ (\rightarrow);\ B_v = 4\ (\uparrow)$

10. $A = 5\sqrt{2}\ (\nearrow);\ B_h = 2\ (\leftarrow);\ B_v = 4\ (\uparrow)$