

Remarks: See §4.5, page 130 till 144

Hints:

Also see schemes on pages 136 and 138

Answers:

1. kd; sd

2. kd; sd

3. kd; sd

4. kd; si; $n = 1$

5. ki; $v = 1$

Less than 3 support reactions; the block can move horizontally.

6. kd; sd

7. ki; $v = 1$

Less than 3 support reactions; the block can move vertically.

8. kd; sd

9. ki; $v = 1$

Three support reactions go through one point (the hinged support). The block is able to rotate around this point.

10. ki; $v = 1$

Three support reactions go through one point (the hinged support). The block is able to rotate around this point.

11. ki; $v = 1$

FOUR support reactions go through one point (the hinged support). The block is able to rotate around this point.

12 kb; si; $n = 1$

13. ki; $v = 1$

Four support reactions go through one point (the hinged support). The block is able to rotate around this point.

14. kd; si; $n = 1$

15. kd; si; $n = 1$

16. ki; $v = 1$

Three support reactions go through one point (the cornerpoint at the bottom). The block is able to rotate around this point.