

Remarks: See §4.5, page 130 till 144

Hints:

Study pages 136 till 140 from §4.5.3

Two bar supports have the same function as a hinged support in the intersection point of the two bar supports. (See page 131)

Kinematically determinate and 'immovable' mean the same.

Answers:

1. Immovable (kinematically determinate) and statically determinate
2. Immovable (kinematically determinate) and statically determinate
3. Not immovable (kinematically indeterminate)
Three hinges on one line; see figure 3
4. immovable (kinematically determinate) and statically determinate
5. not immovable (kinematically indeterminate)
Three hinges on one line; see figure 5
6. not immovable (kinematically indeterminate)
Three hinges on one line; see figure 6

fig. 3

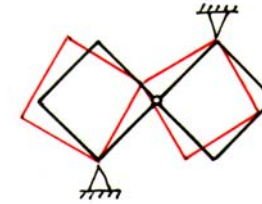


fig. 5

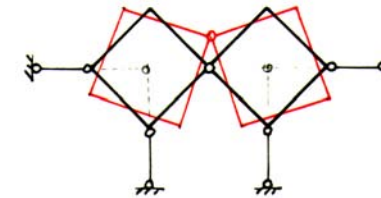


fig. 6

