Remarks: See §4.5.3, page 136 till 140
See §9.2.2, page 332 till 337

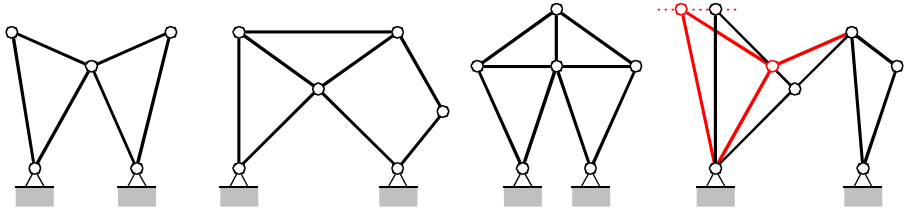
A necessary condition for a kinematically determinate structure:
$n = r + v - e = r + s - 2k \geq 0$. After this men should check the bar configuration.
If $n < 0$ the truss is without a doubt kinematically indeterminate

Hints:

Try to check if the truss is kinematically determinate by looking at self-containing triangles. Try to do this without formulas.

Answers:

a. kinematically determinate $(n = 0)$
b. kinematically determinate $(n = 0)$
c. kinematically determinate $(n = +1)$
d. kinematically indeterminate $(n = -1)$



(a) (b) (c) (d)