Remarks: See §9.2.1, page 328 till 332

Antwoorden:

Answers:

a. $s = 2k - 3$; Compound truss when checked

b. $s = 2k - 3$; self-contained truss

c. $s = 2k - 3$;   self-contained truss

Necessary but not enough for a shape retaining truss: $s \geq 2k - 3$

d. $s < 2k - 3$; without a doubt a compound truss

After this you have to check the bar configuration.

If $s < 2k - 3$ then the truss is without a doubt kinematically indeterminate.

Hint:

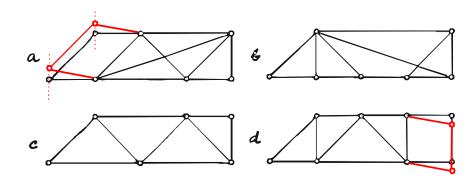Try to check if the truss is self-contained by looking at self-containing triangles. Try to do this without formulas.