

Remarks: See §4.5, page 130 till 144

Answers:

Get to the answer similar to the way in §4.5.3 on page 136

Alternative Solution:

A statically determinate construction is a kinematically determinate construction with the smallest amount of support reactions.

For a statically determinate construction holds:

$$n = r + v - e = 0$$

From which the necessary number of support reactions (bars) follows:

$$r = e - v$$

With $e = 2 \times 3 = 6$ and $v = 2$ you'll find:

$$r = e - v = 4$$