

[Remarks:](#) See §4.5, page 130 till 144

[Hints:](#)

Free the beam from the supports.

Also see schemes on page 136 and 138

[Answers:](#)

The construction is:

b. Statically indeterminate to the third degree

There're $r = 6$ support reactions working on the free bridge while you've only got $e = 3$ equilibrium equations at your disposal.

The beam is statically indeterminate to the third degree: $n = r - e = 3$