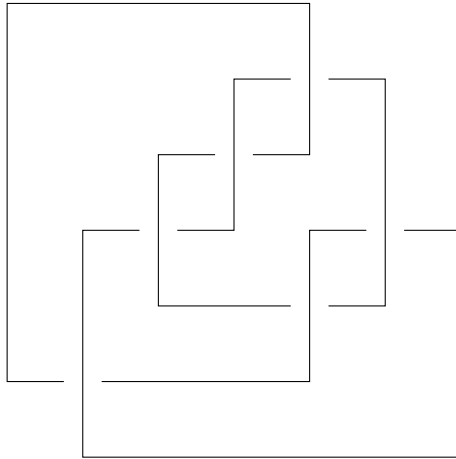


Revision Question 8 — 07/05/14

The knot 6_2 is pictured below.



- Using the skein relations or otherwise, calculate the Jones polynomial of 6_2 . [10 marks]
- Is 6_2 isotopic to its mirror image? Justify your answer. You may quote without proof any results from the course. [3 marks]
- Explain how to construct the Seifert surface associated to 6_2 . What is its genus? [5 marks]

Let K be the knot depicted below.

