

**MATH W4052 PROBLEM SET 9**  
**DUE APRIL 11, 2011.**

INSTRUCTOR: ROBERT LIPSHITZ

- (1) Lickorish, Exercise 6.8. Feel free to use the skein formula for the computation, if you like. E-mail me if you need a hint about the primeness question.
- (2) Compute the Jones polynomial of  $4_1$ ,  $5_1$  and  $5_2$ .
- (3) Cromwell, Exercise 9.3.
- (4) Lickorish, Exercise 3.3.
- (5) Lickorish, Exercise 3.4.

*E-mail address:* `r12327@columbia.edu`