

Math 2001: Homework W2

Due: September 19, 2008

The following assignment will be graded with an emphasis on clarity of exposition. You should write in complete sentences, be as precise as possible, and be mathematically correct (both in content and format). Be sure to include a title, a short introduction to the topic, and to define all the relevant mathematical terms. The assignment should be **typed**.

Write a guide to the Tower of Hanoi for the cases where the number of discs is less than or equal to the number of pegs. You should include,

- (a) A description of the puzzle.
- (b) Key examples that illustrate the different cases.
- (c) Full justifications for all your statements.