

Math 2001 - Writing project 2

First draft due April 13, final draft April 18, 2018

The following **writing project** will be graded on clarity and correctness and should be typed in LaTeX.

Problem.

Towers of Hanoi: How many moves are necessary to move n disks from one rod to another?

Your write up should include the following:

- (1) A section describing the problem.
- (2) A theorem stating the main result in a few sentences.
- (3) A proof of the theorem describing the strategy for achieving the result.
- (4) Give precise arguments for all your statements.

Careful: If you use material from the internet (e.g., wikipedia), you have to cite your source. In any case, write your proofs on your own.