Assignment 01

Notes on submitting your solution

Do you see any difference in the timings between the recursive and iterative versions of the algorithm? The iterative version seems a bit faster than the recursive one, but both take exponentially longer because each extra disk doubles the work. For example, with *n* disks, you need 2^n - 1 moves, so the time goes faster. So, the difference is small, and printing every move hides it.

Notes on submitting your solution

It solves the Towers of Hanoi. It moves the stack from peg 1 to peg 3 using peg 2. As for sizes 5, 10, 15, 20, 25 (and lists 30, 35), it calculates the expected moves (2^n − 1), runs the recursive solver, times it with chrono, prints a tiny table. It doesn't print each move (so timing's real). It skips actually running >25 disks because that would take forever.