Tower of Hanoi

PROBLEM STATEMENT:

An algebraic puzzle is called the Tower of Hanoi. It typically consists of three poles and several discs of various sizes that can slide onto any of the poles. The discs are arranged in a conical form at the beginning of the puzzle, the smallest disc at the top of an orderly stack in one pole. The goal of the puzzle is to use a third pole (the "auxiliary pole") to move all of the discs from one pole, referred to as the "source pole," to another pole, referred to as the "destination pole." The following two rules apply to the puzzle: 1. A larger disc cannot be stacked on a smaller disc 2. You can only move one disc at once.

Determine the movement of the discs along 4 towers using a recursive approach.

INPUT SPECIFICATION:

- Nil.

OUTPUT SPECIFICATION:

- Print the complete movement of discs along the towers from the source tower to the destination tower