

- 2.10** Write a Java program to implement the Towers of Hanoi algorithm given in Algorithm 2.18. Use your program to count the number of moves required and thus verify the time complexity of the algorithm.
- * **2.11** Devise a recursive algorithm to find your way out of a maze from a given starting position.

To calculate the Fibonacci number of n :

1. If $n \leq 1$:
 - 1.1. Terminate with answer 1.
2. If $n > 1$:
 - 2.1. Let $f1$ be the Fibonacci number of $n-1$.
 - 2.2. Let $f2$ be the Fibonacci number of $n-2$.
 - 2.3. Terminate with answer $(f1 + f2)$.

Algorithm 2.22 A recursive Fibonacci algorithm.