



Console X
<terminated> Disks [Java Application] /Users/aryanpat.p2/pool/plugins/org.eclipse.justi.openjdk.hotspot.jre.full.macosx.x86_64_17.0.4.v20220805-1047/jre/bin/java (Oct 24, 2022, 10:52:23 PM – 10:52:28 PM) [pid: 56053]

How many disks would you like the problem to have?
4
1. The disk was moved from the First Pole to the Second Pole.
2. The disk was moved from the First Pole to the Thrid Pole.
3. The disk was moved from the Second Pole to the Thrid Pole.
4. The disk was moved from the First Pole to the Second Pole.
5. The disk was moved from the Thrid Pole to the First Pole.
6. The disk was moved from the Thrid Pole to the Second Pole.
7. The disk was moved from the First Pole to the Second Pole.
8. The disk was moved from the First Pole to the Thrid Pole.
9. The disk was moved from the Second Pole to the Thrid Pole.
10. The disk was moved from the Second Pole to the First Pole.
11. The disk was moved from the Thrid Pole to the First Pole.
12. The disk was moved from the Second Pole to the Thrid Pole.
13. The disk was moved from the First Pole to the Second Pole.
14. The disk was moved from the First Pole to the Thrid Pole.
15. The disk was moved from the Second Pole to the Thrid Pole.

The number of steps needed to get through 4 disks was 15.

```
Disks.java X Snorlax.java Fibonacci.java
static int steps = 1;
8
9 public static void main(String[] args) {
10
11     Scanner input = new Scanner(System.in);
12     System.out.println("How many disks would you like the problem to have? ");
13     int a = input.nextInt();
14
15     nextPole(a, "First Pole", "Second Pole", "Thrid Pole");
16
17     System.out.println();
18     steps--;
19     System.out.println("The number of steps needed to get through " + a + " disks was " + steps + ".");
20
21     input.close();
22
23 }
24
25 public static void nextPole(int a, String start, String helper, String end){
26
27     if(a==1) {
28
29         System.out.println(steps + "." + " The disk was moved from the " + start + " to the " + end + ".");
30         steps++;
31
32     }
33
34     else {
35
```