Comp 182 Fall 2021: Project 2 - Towers of Hanoi

Program a solver for the Towers of Hanoi problem presented below. Submit the following to canvas: Hanoi.java, Driver.java (contains your main method). This is an individual project. Students may discuss solutions to the problem but may not share code with one another. I will discuss this project during our next lecture.

Rules:
a) There are three Pillars (Pillar1, Pillar2, Pillar3).
b) There are N number of disks of increasing size (disk size is indicated by an integer).
c) At the start, all disks are stacked on one of the pillars.
d) At no point can a disk of larger size be placed above a disk of smaller size (including the start state).
e) You have to move all disks from the start pillar to a target pillar.
f) Only one disk can be moved at a time.

Sample Run:

```
Hanoi mySolver = new Hanoi(3,1,3);
//the first parameter is the number of disks
//the second parameter is the start pillar
//the third parameter is the target
```

The output should be:

```
My Solution is:

t0      Pillar1: 3 2 1
t0      Pillar2:
t0      Pillar3:

t1      Pillar1: 3 2
t1      Pillar2:
t1      Pillar3: 1

t2      Pillar1: 3
t2      Pillar2: 2
t2      Pillar3: 1

t3      Pillar1: 3
t3      Pillar2: 2 1
t3      Pillar3:


t4      Pillar1:
t4      Pillar2: 2 1
t4      Pillar3: 3

t5      Pillar1: 1
t5      Pillar2: 2
t5      Pillar3: 3

t6      Pillar1: 1
t6      Pillar2:
t6      Pillar3: 3 2

t7      Pillar1:
t7      Pillar2:
t7      Pillar3: 3 2 1
```