



CODING UNPLUGGED

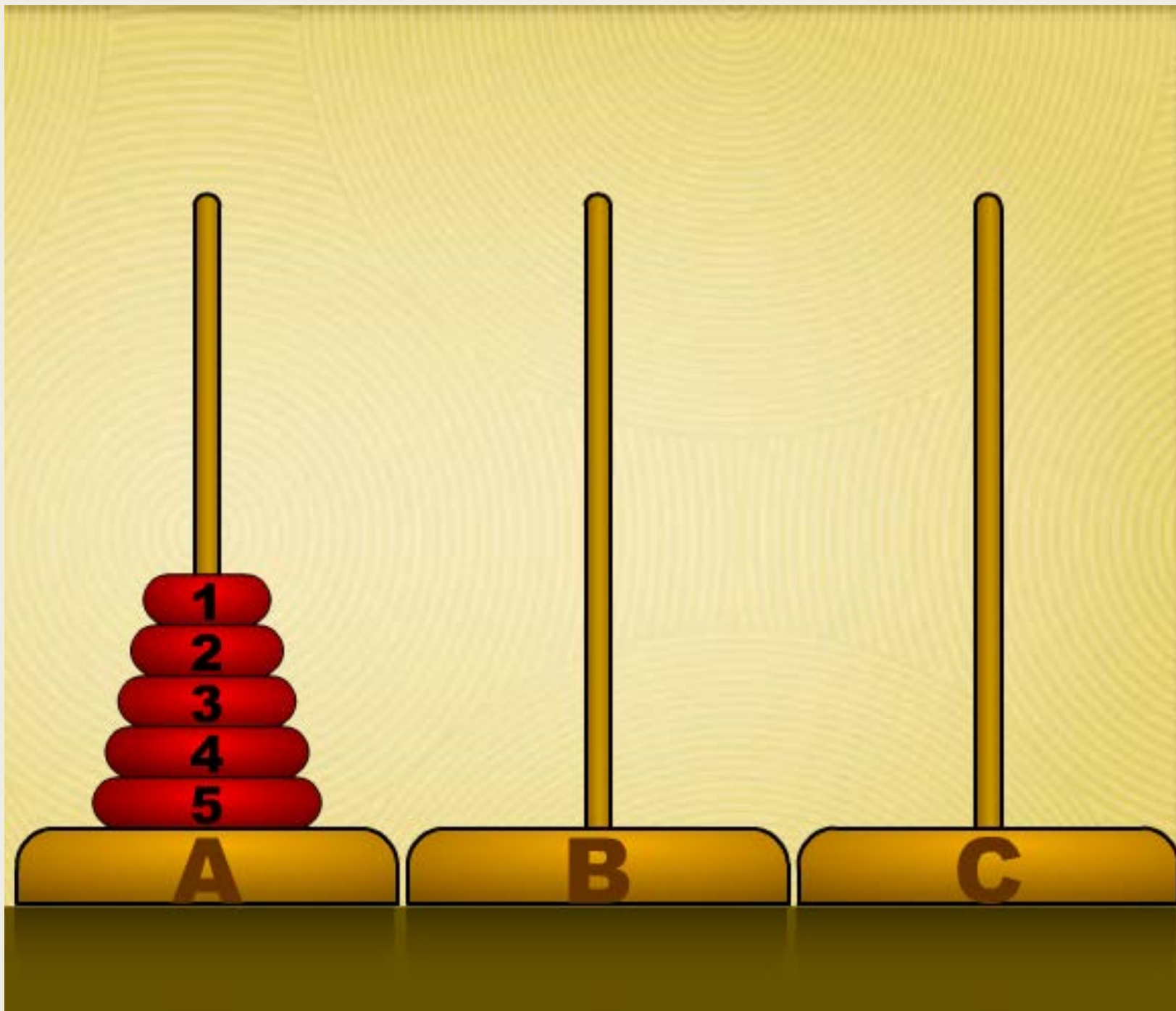
With Anita

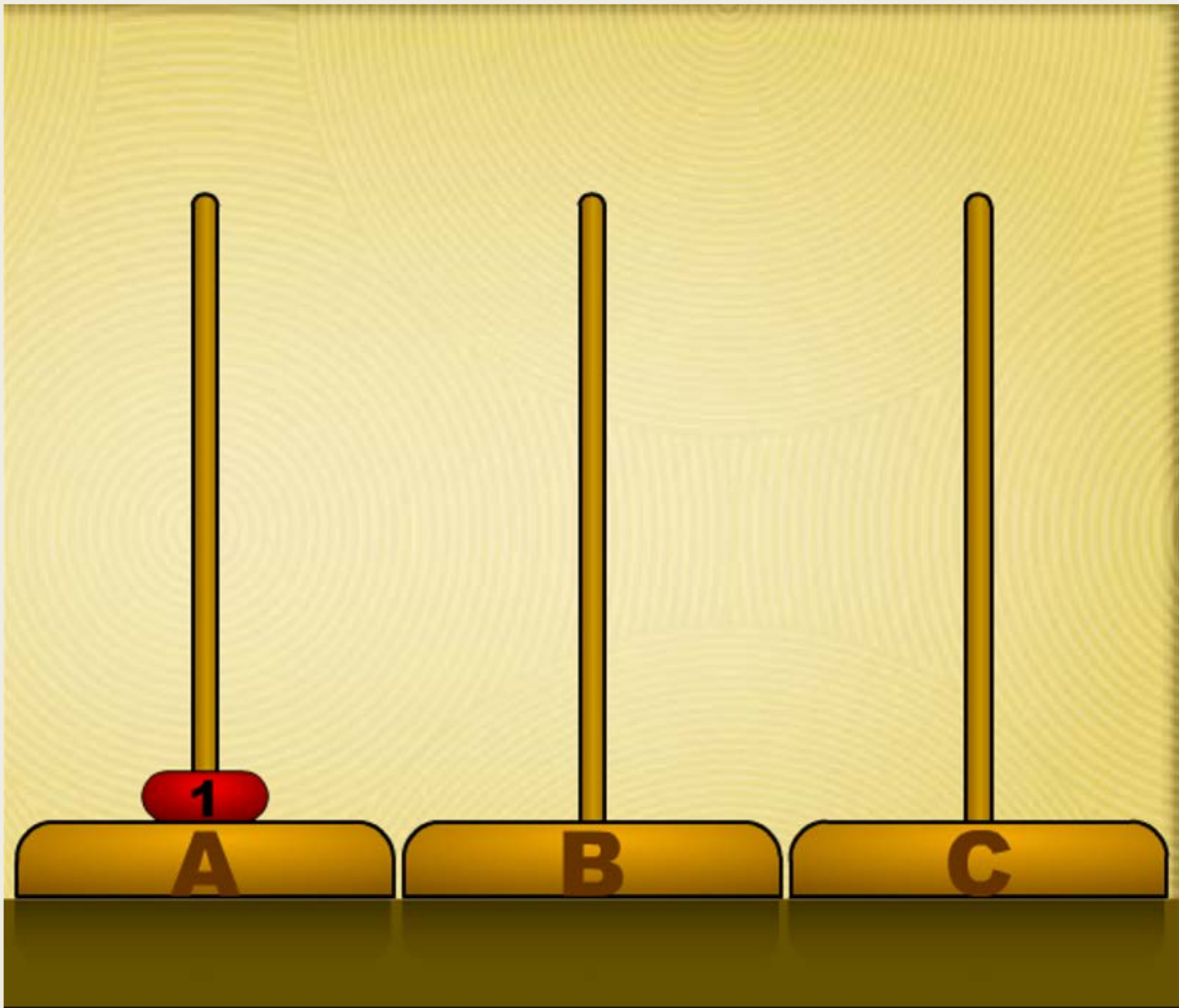
Towers of Hanoi

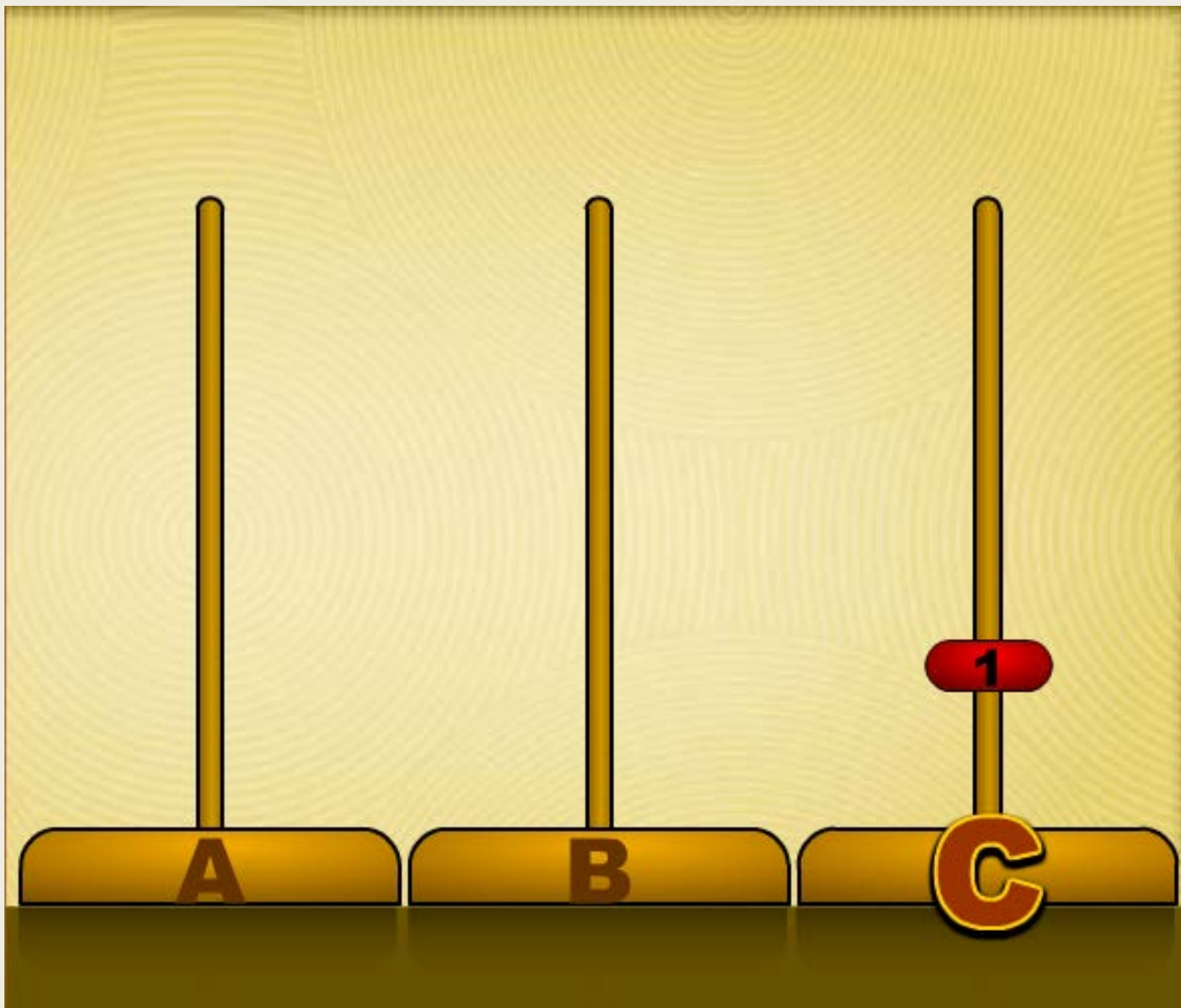


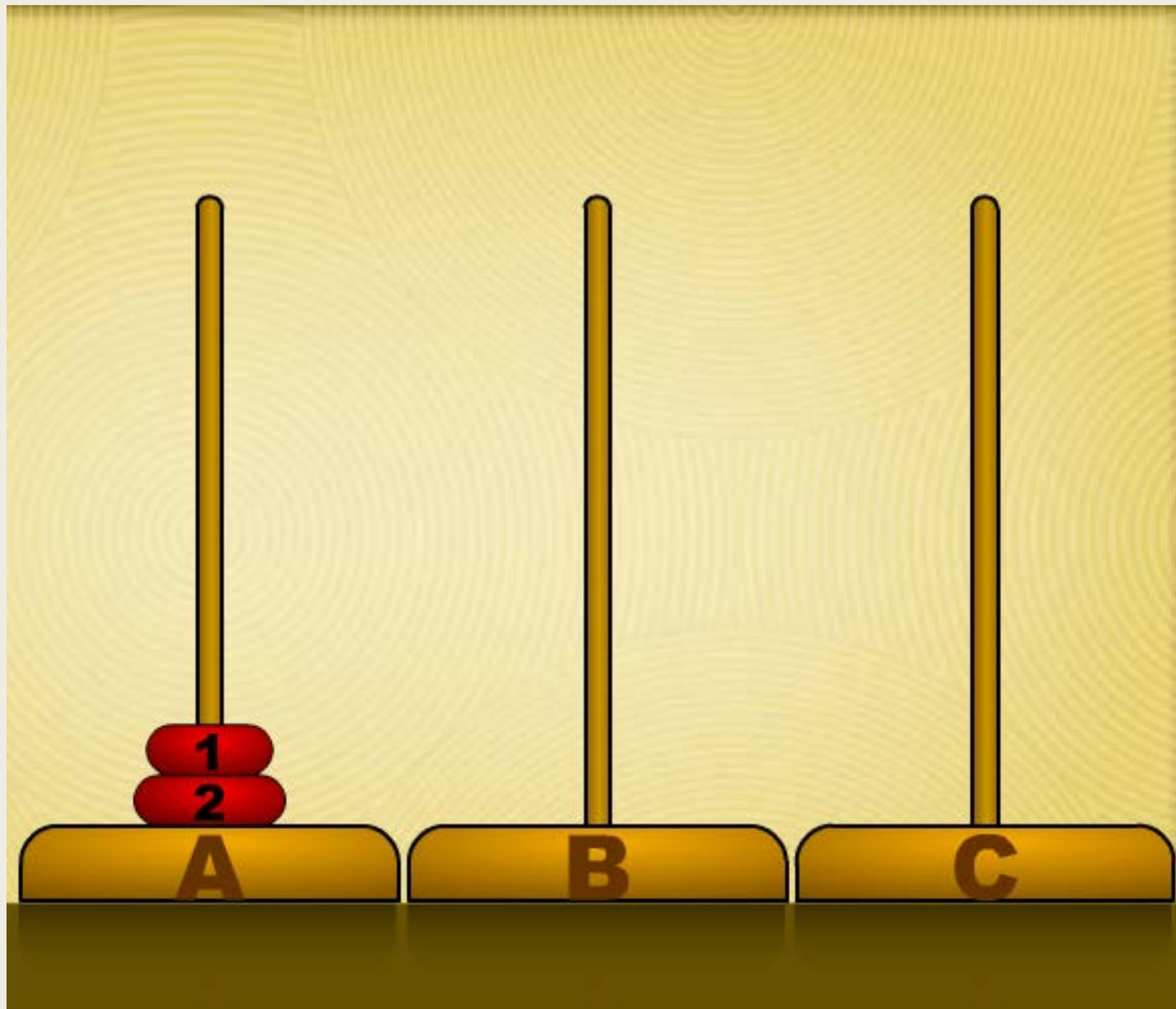
Rules

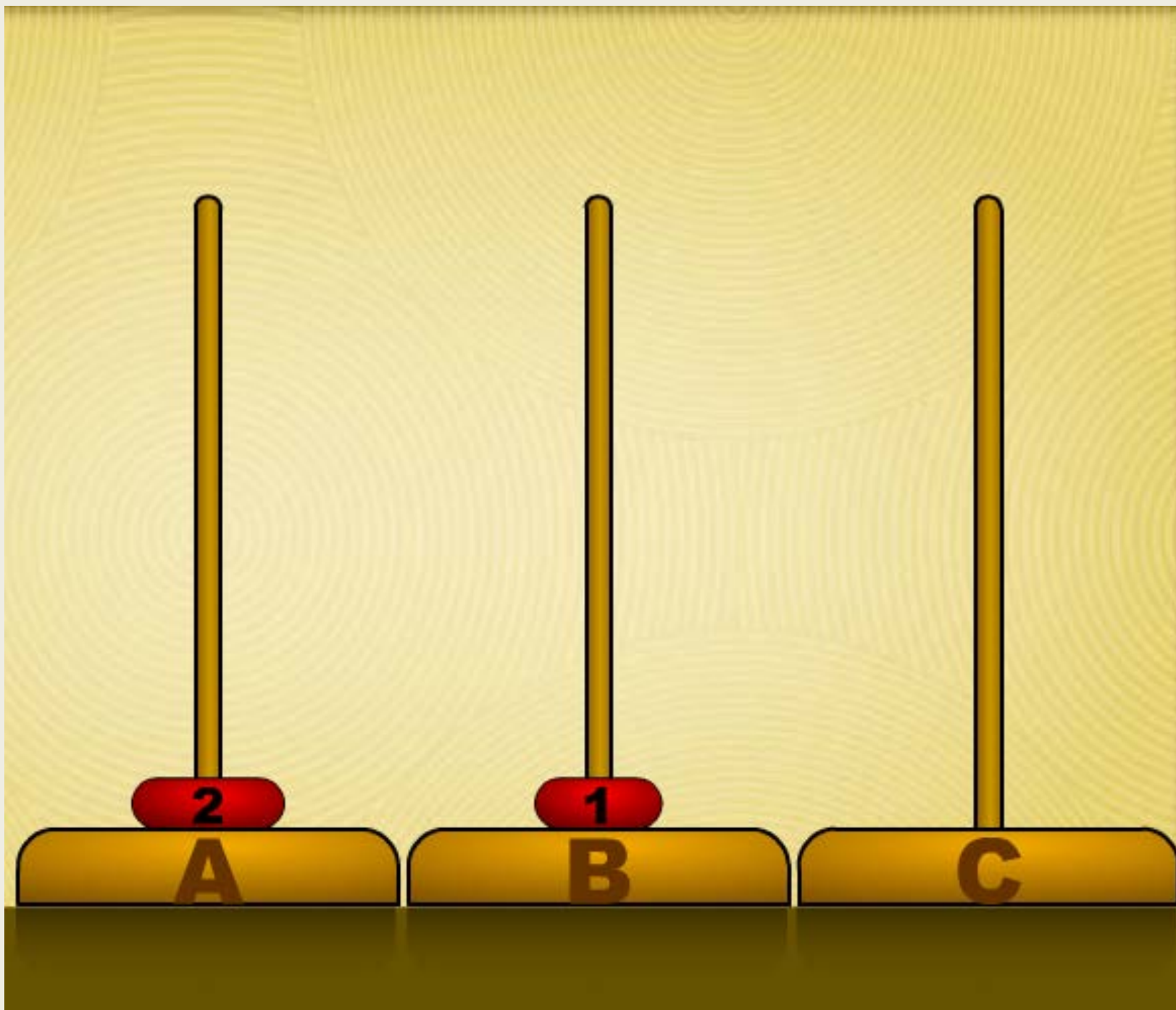
- Move only one disk at a time
- Disks must always be in ascending order (largest on bottom, smallest on top)

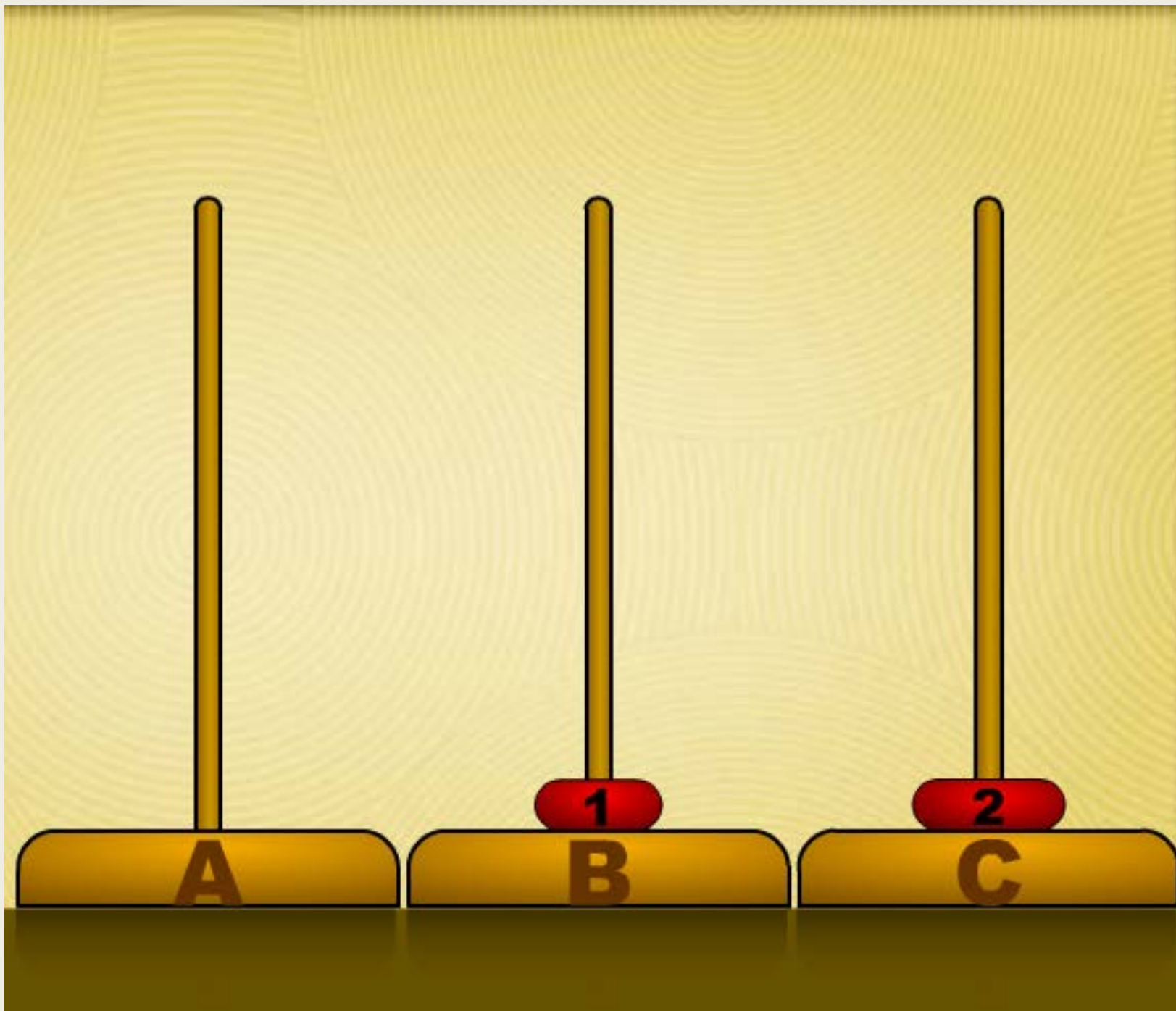


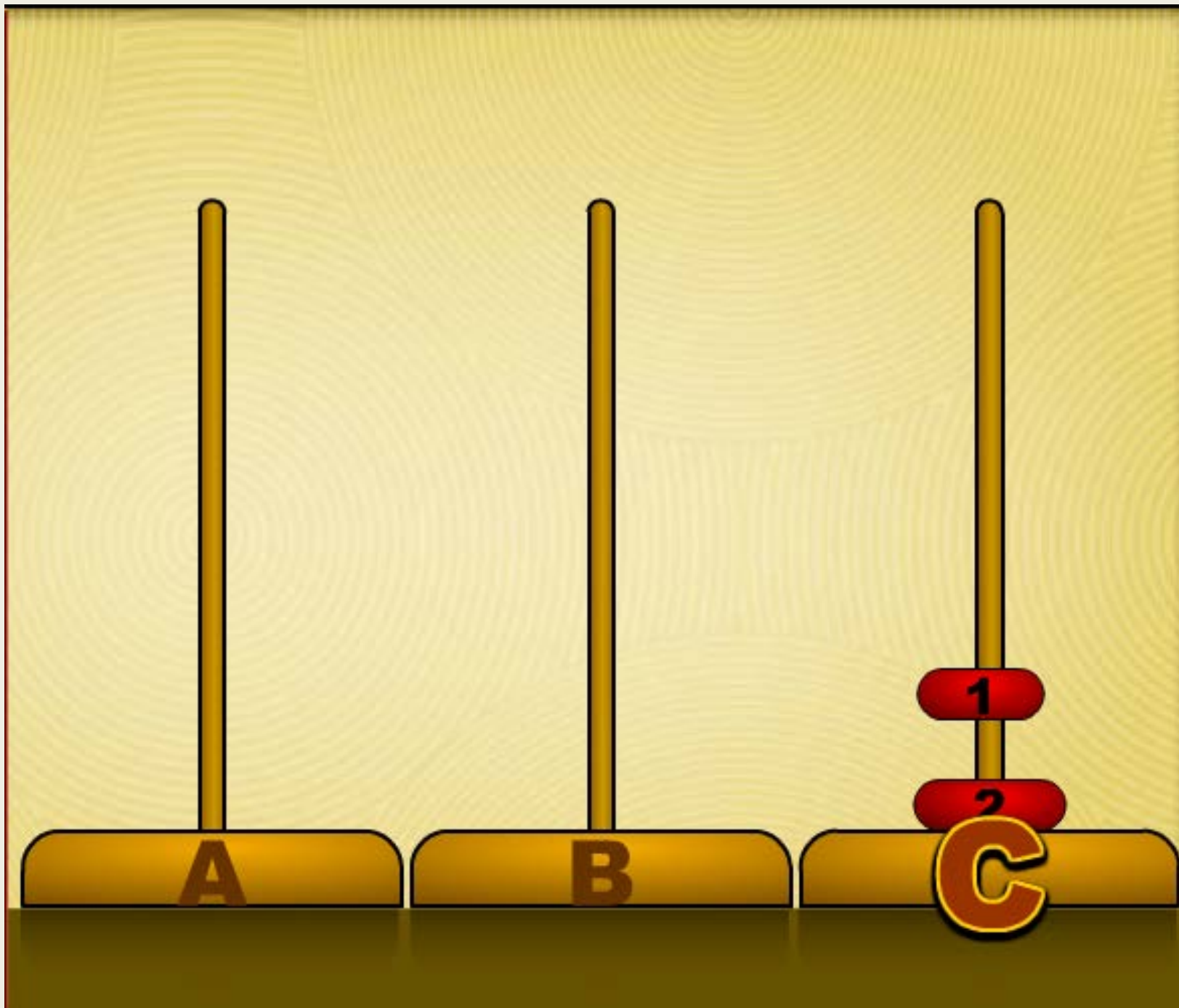


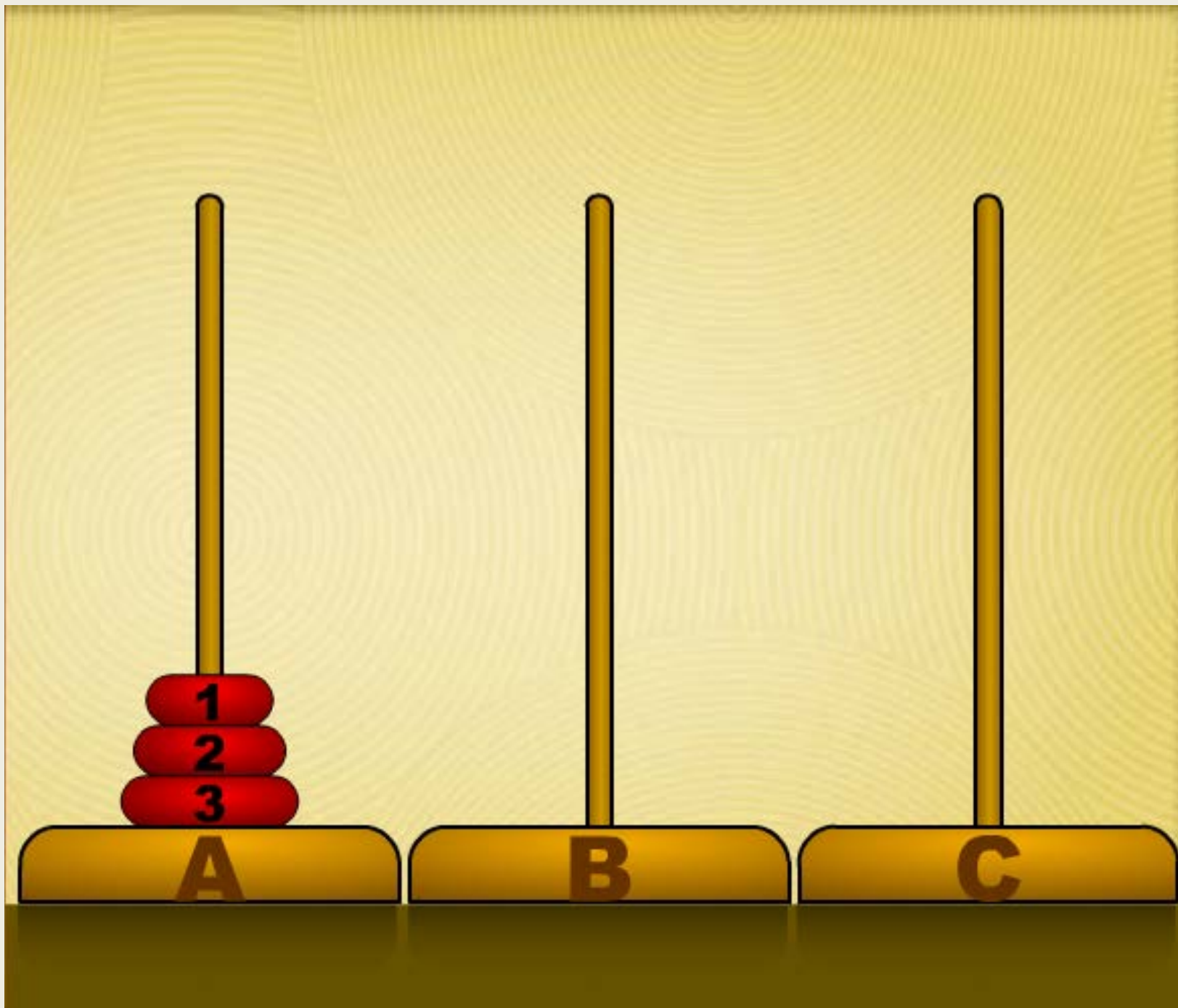




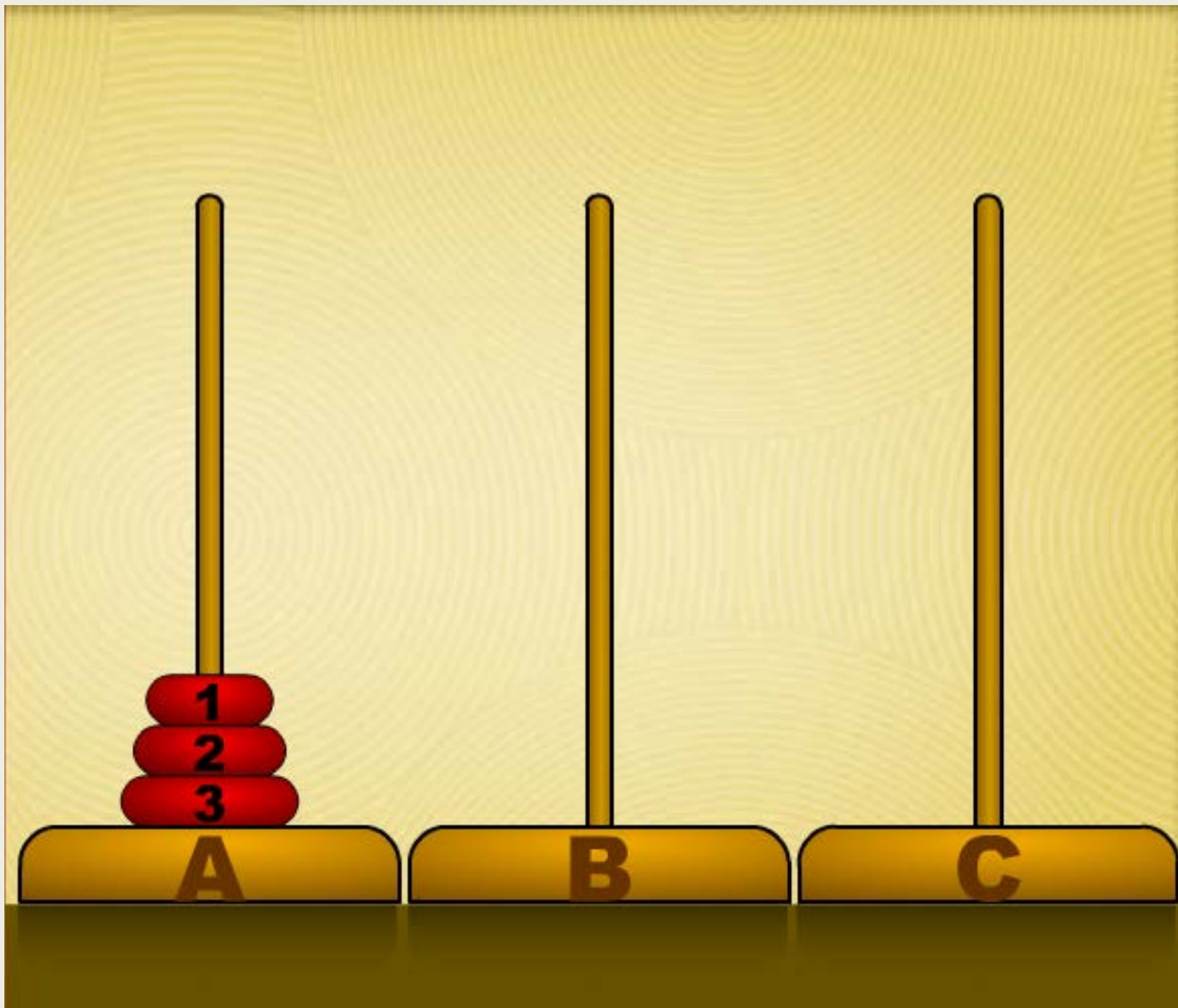


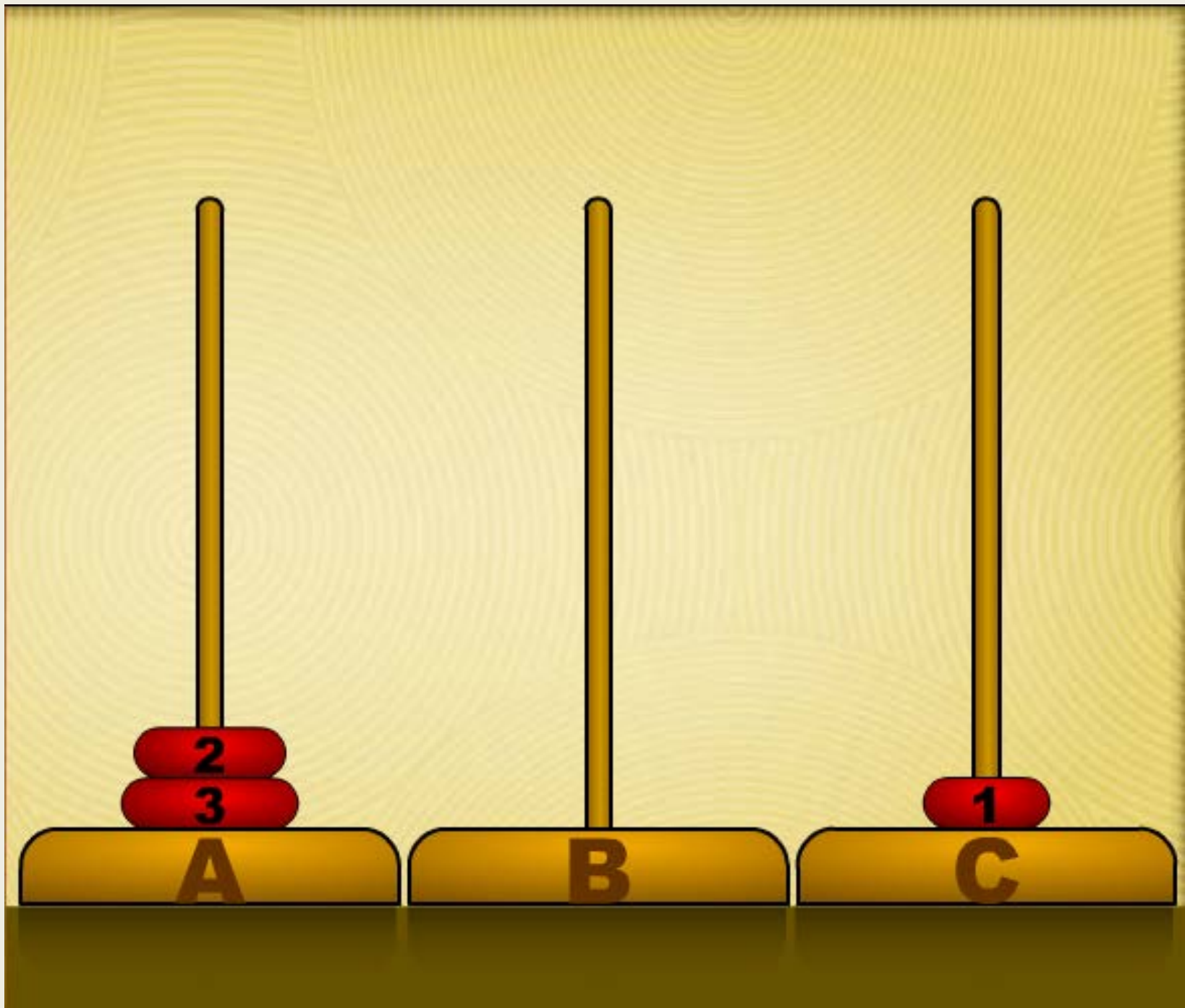


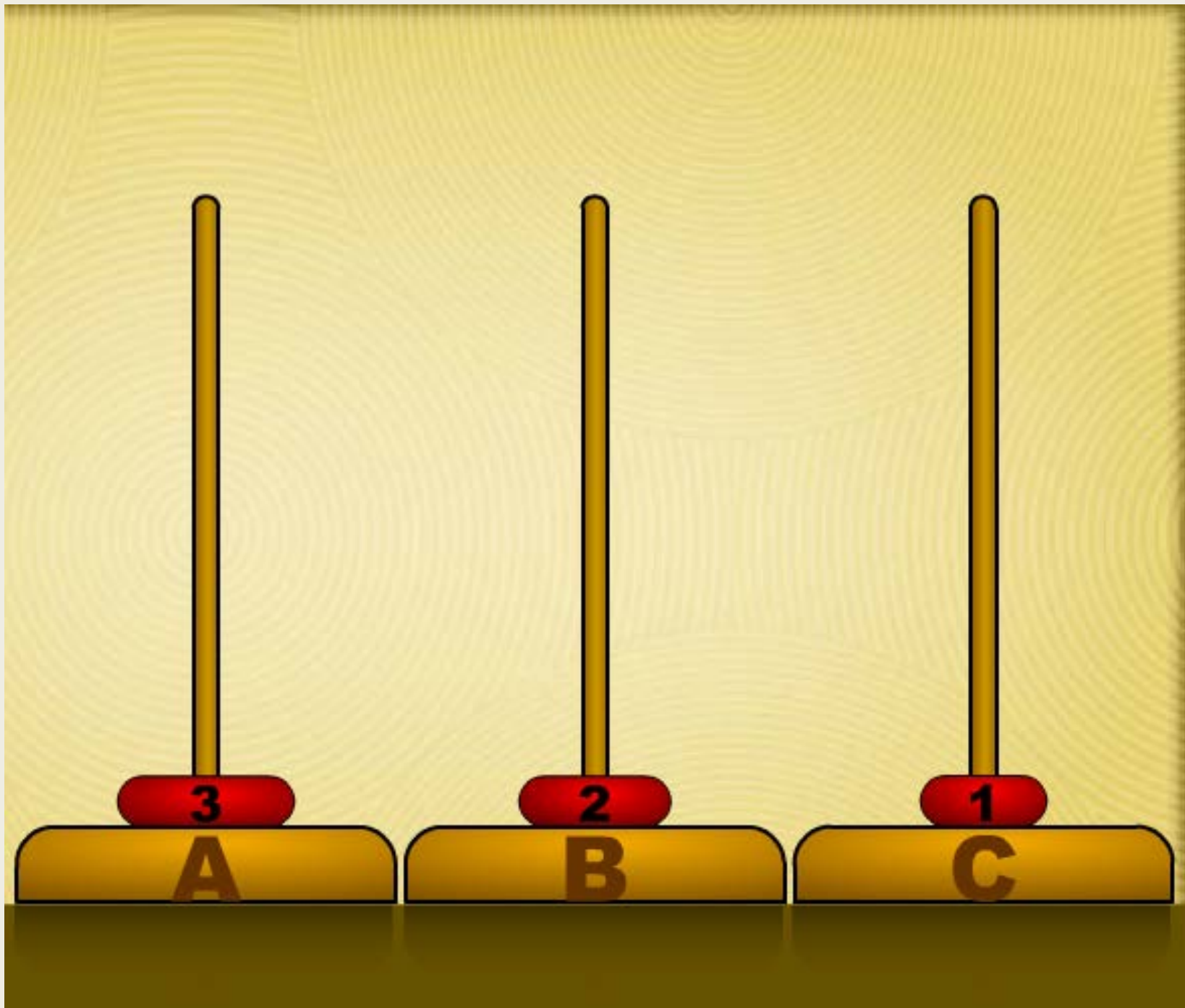


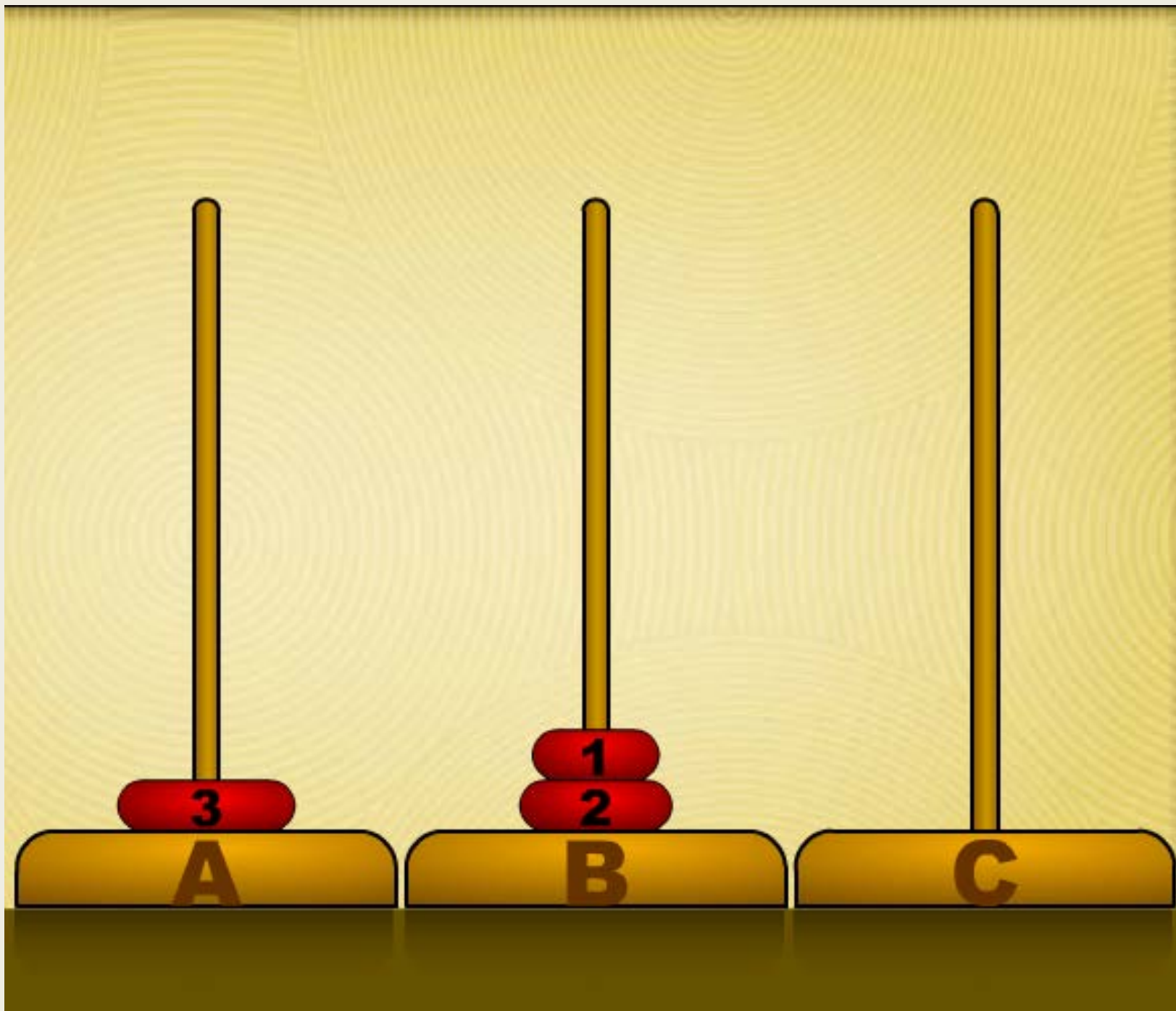


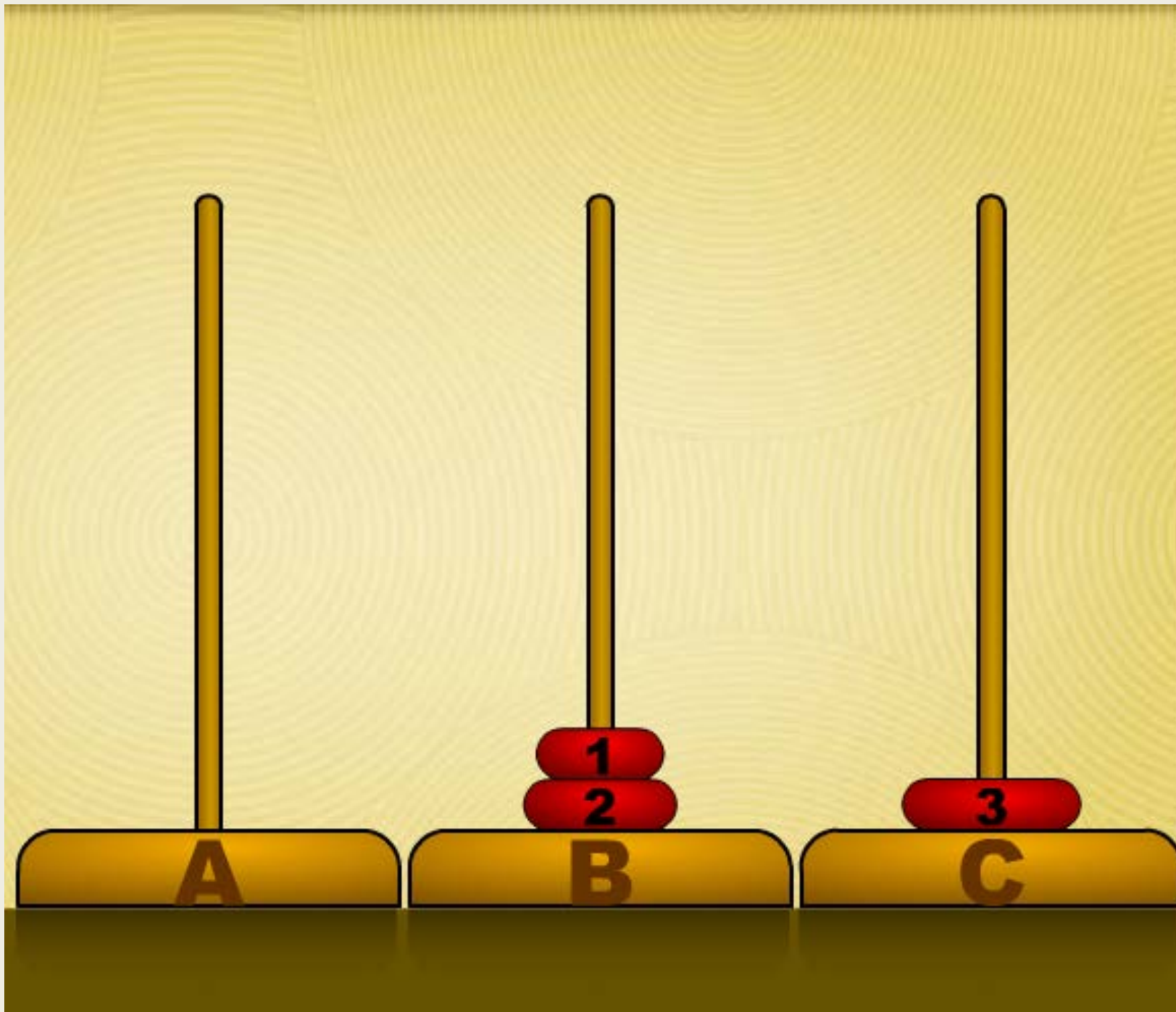


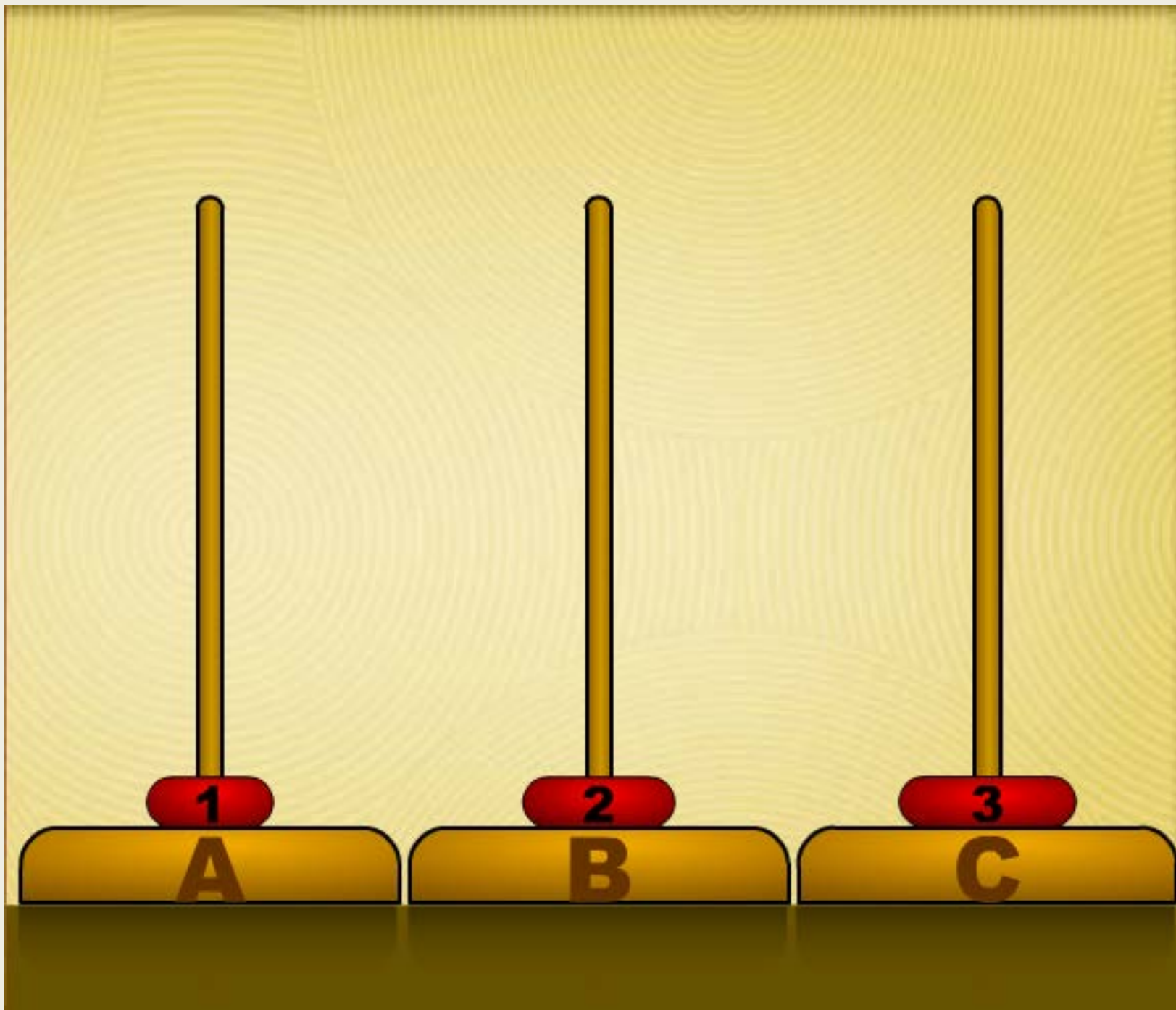


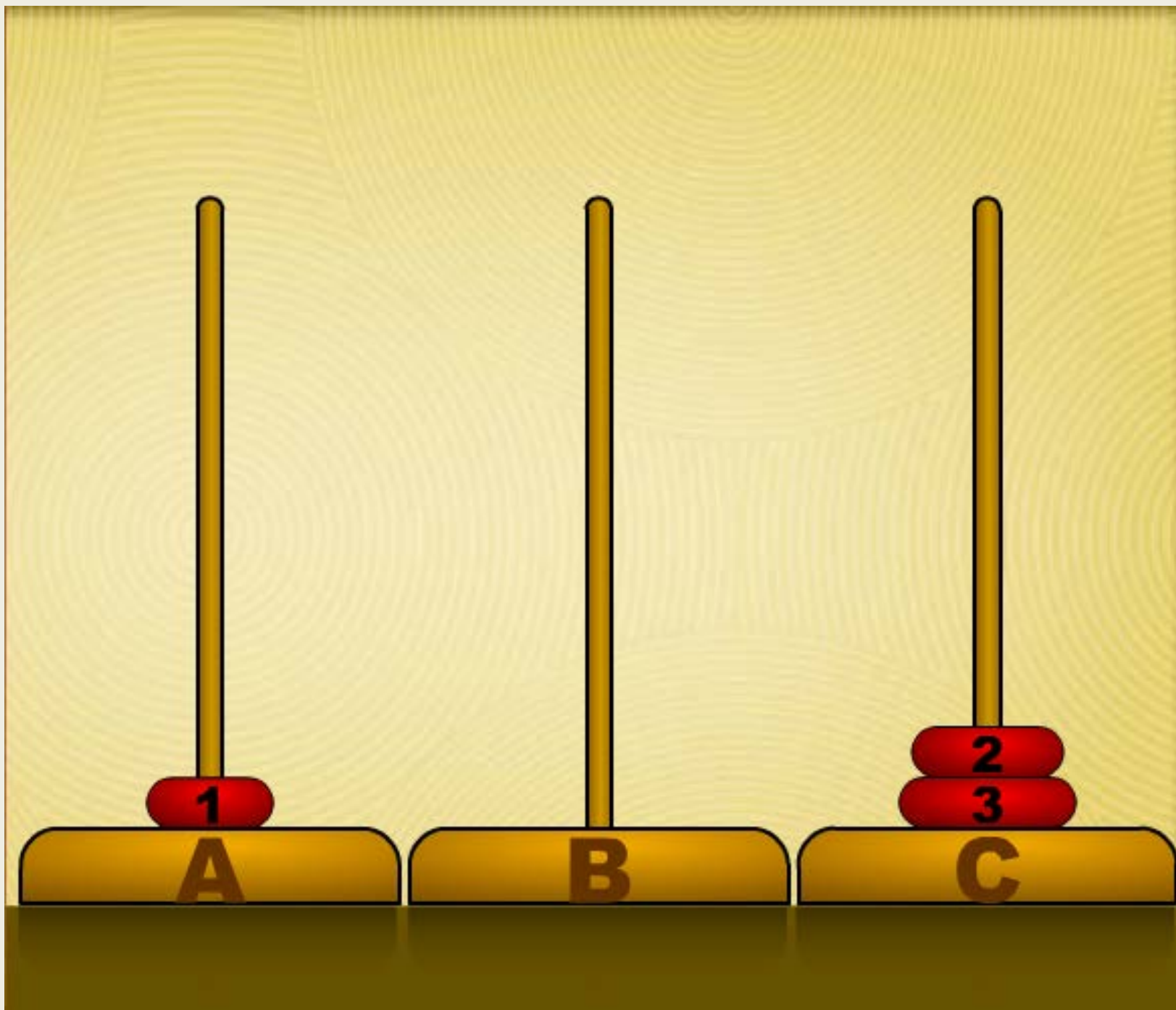


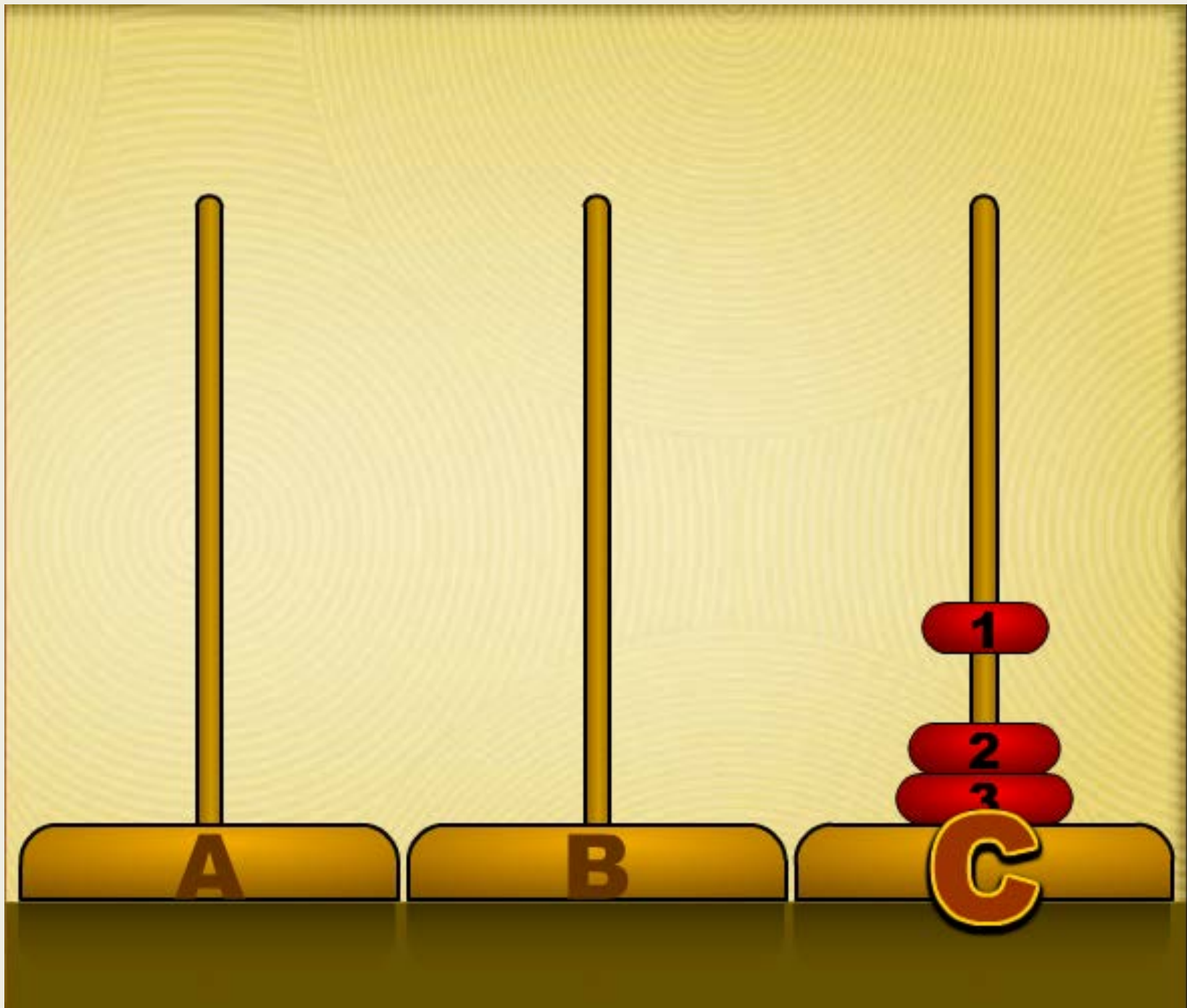


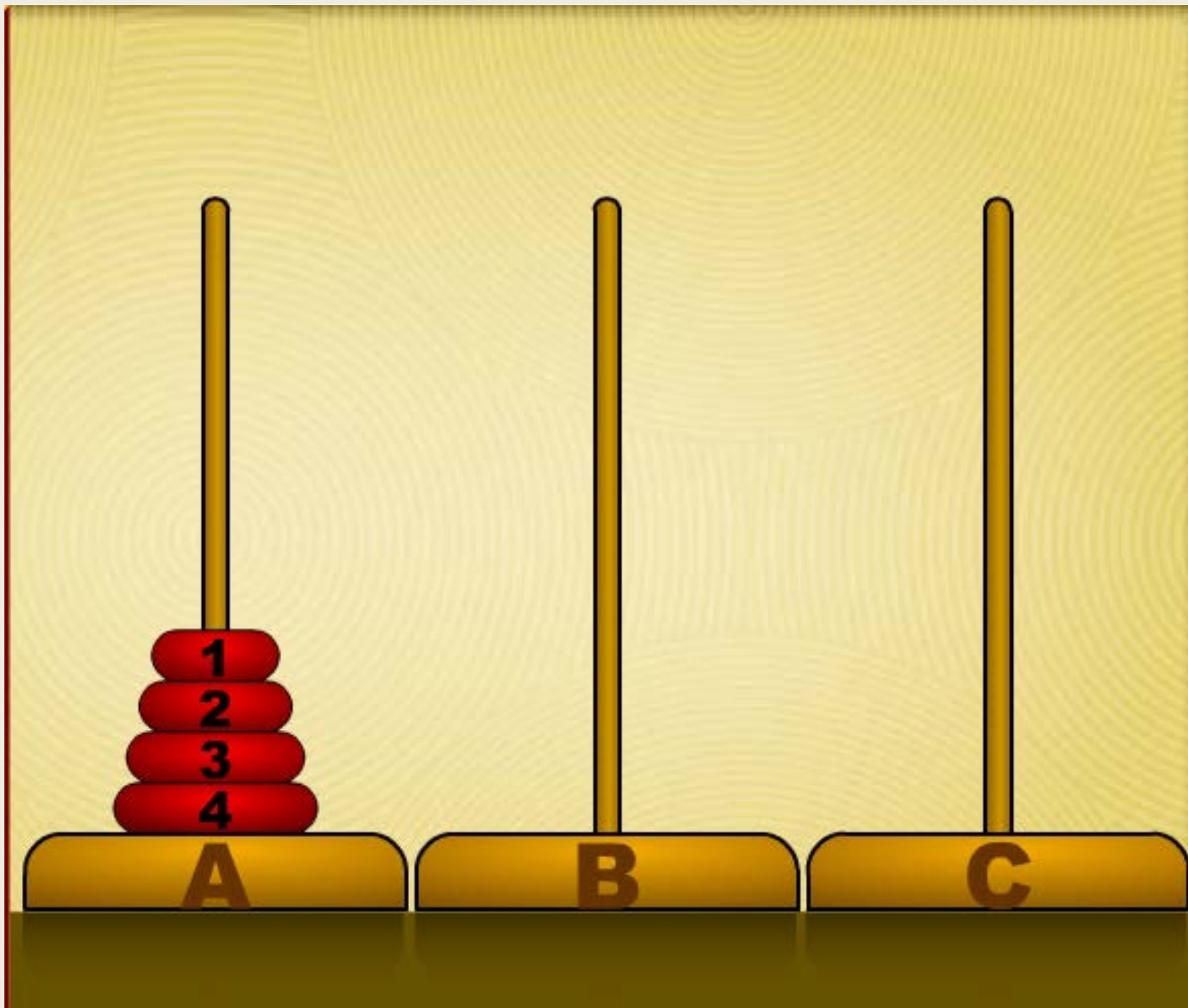








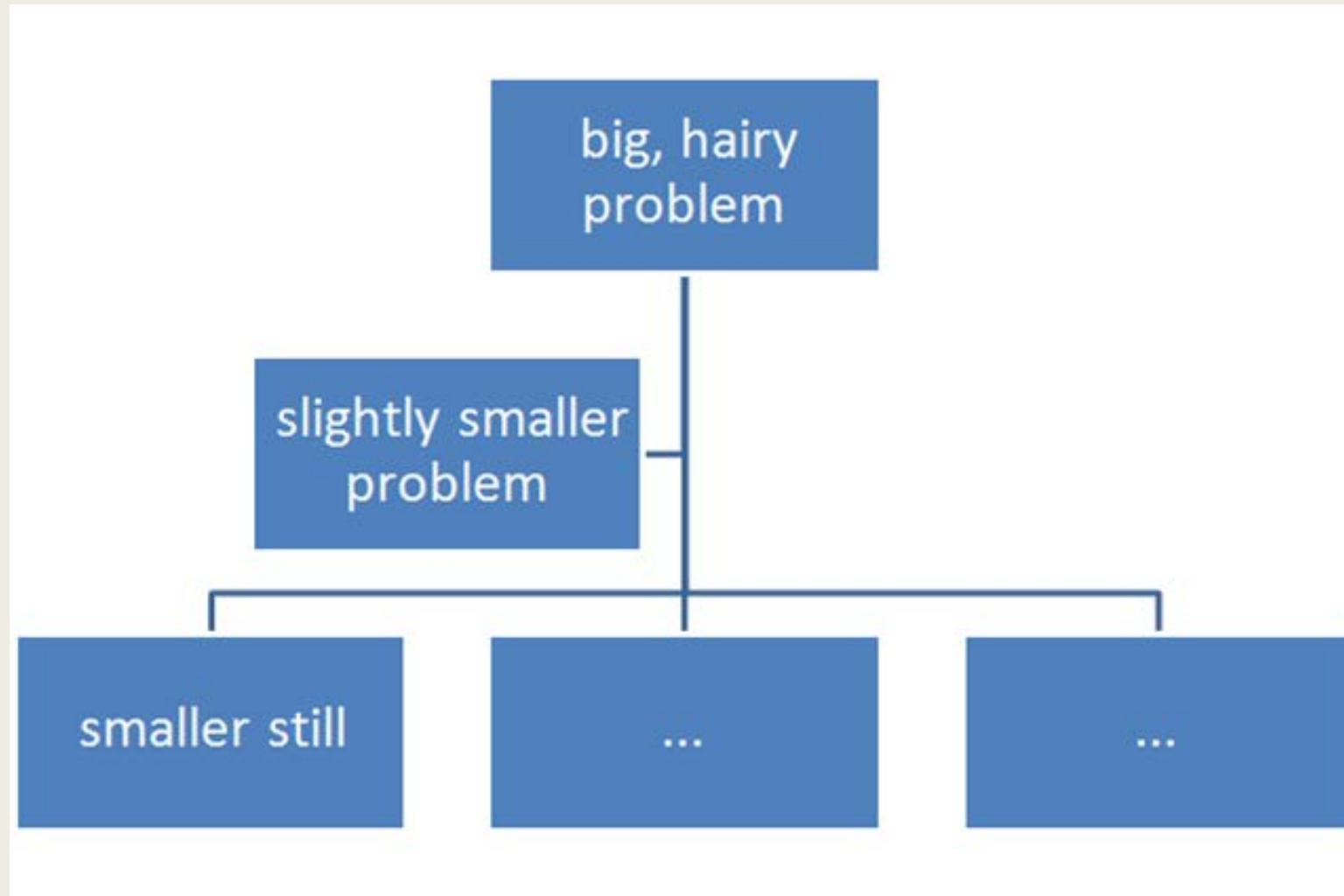


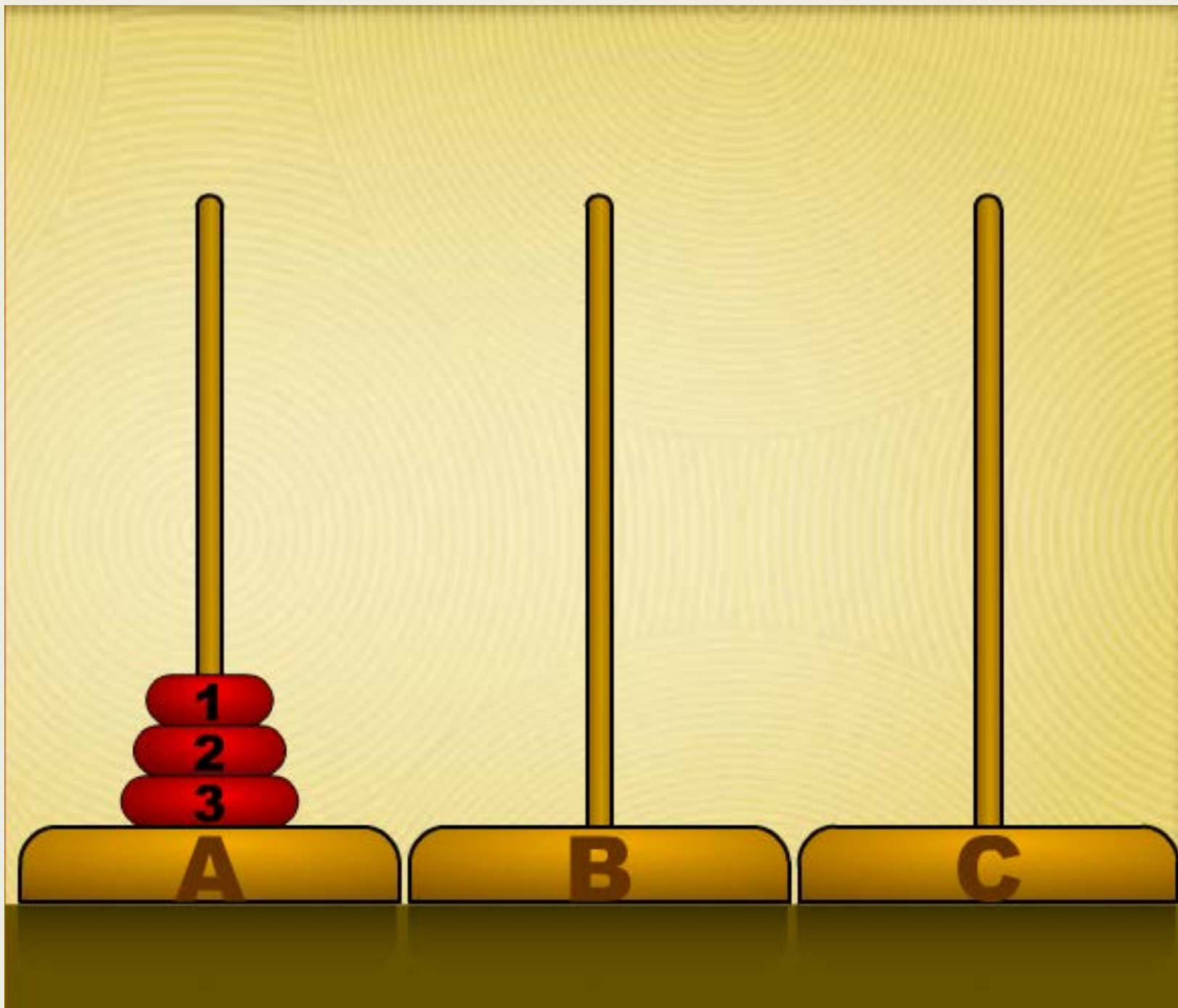


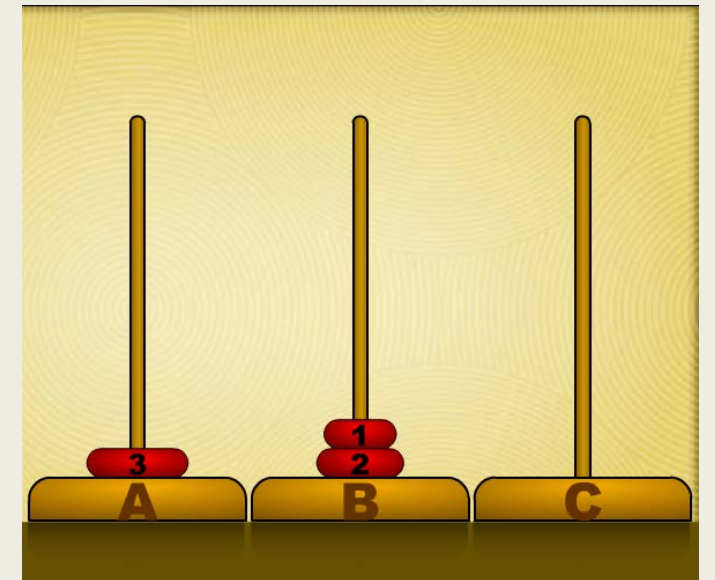
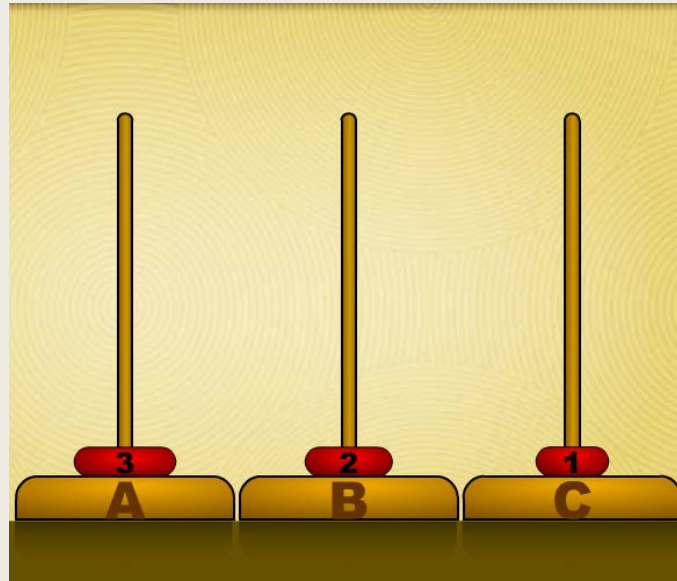
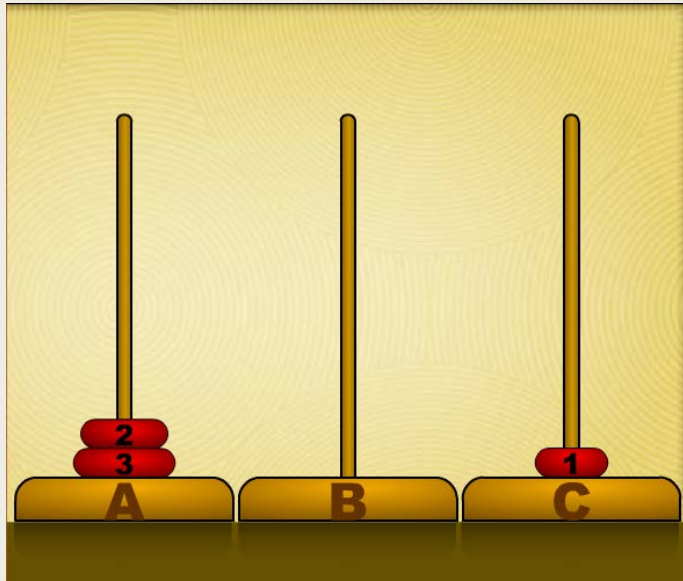
Computational Thinking...

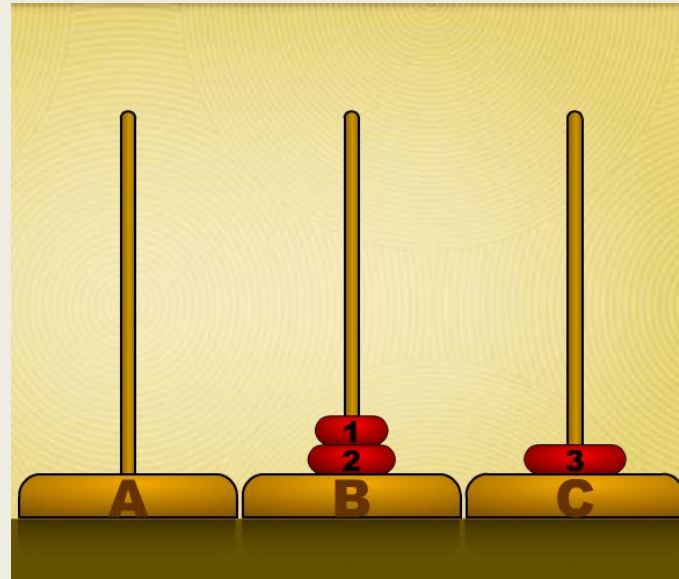
is the thought processes involved in formulating a problem and expressing its solution(s) in such a way that a computer—human or machine—can effectively carry out.

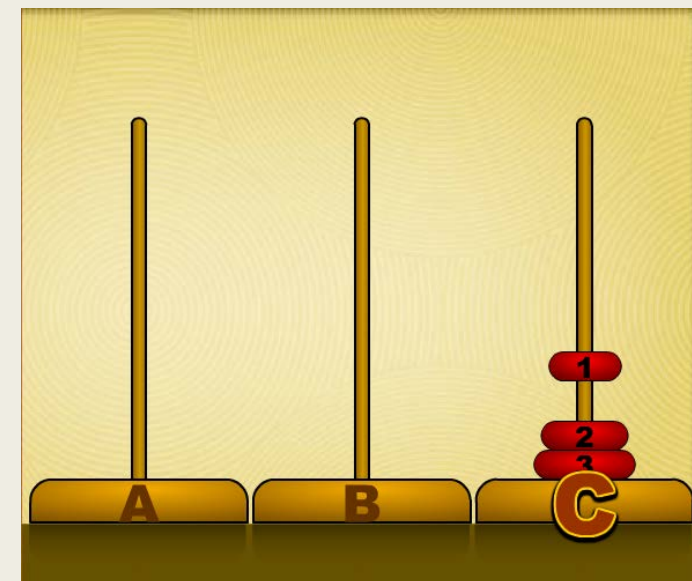
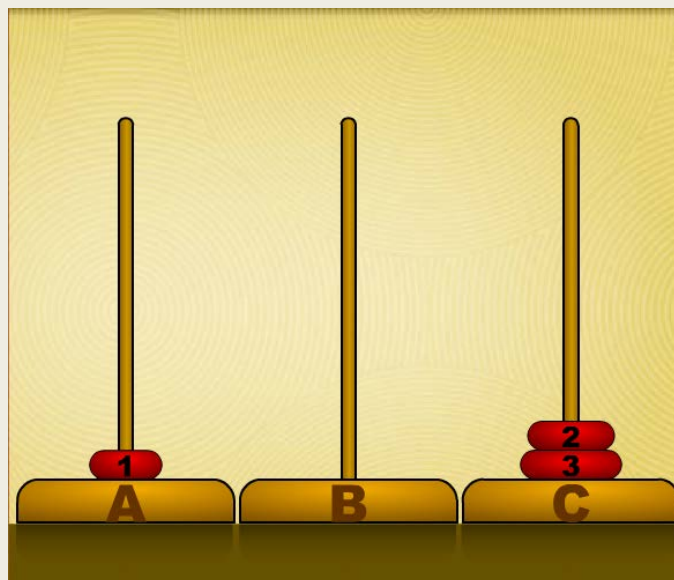
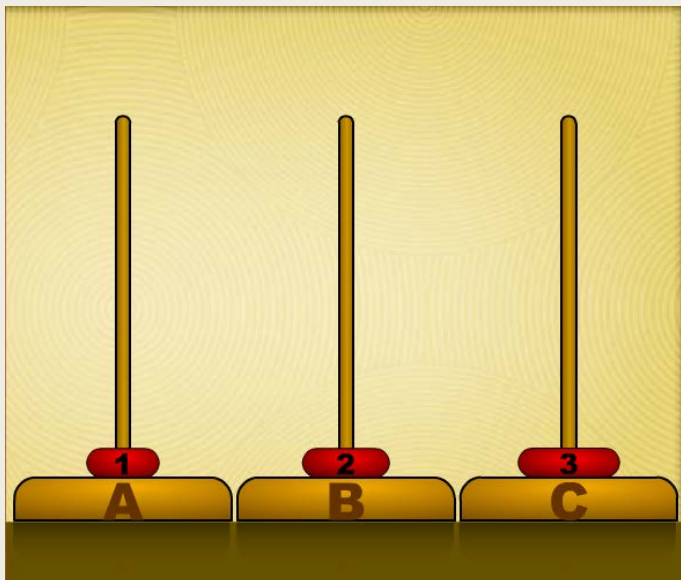
Decomposition





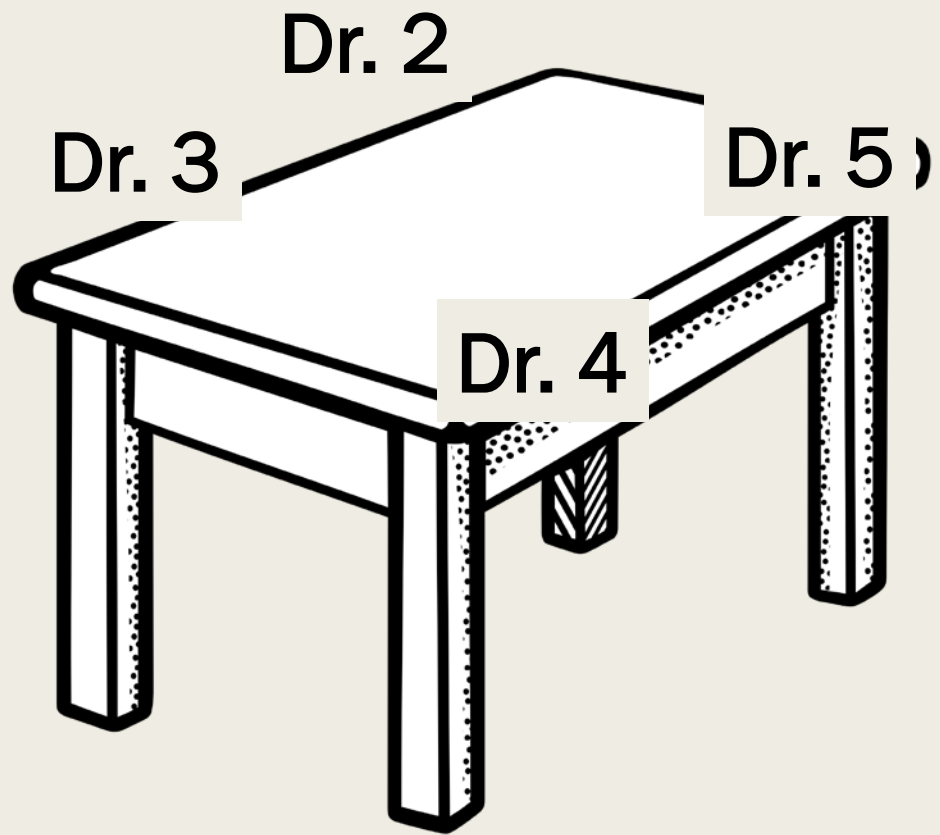






Sequence of Moves for $N=3$

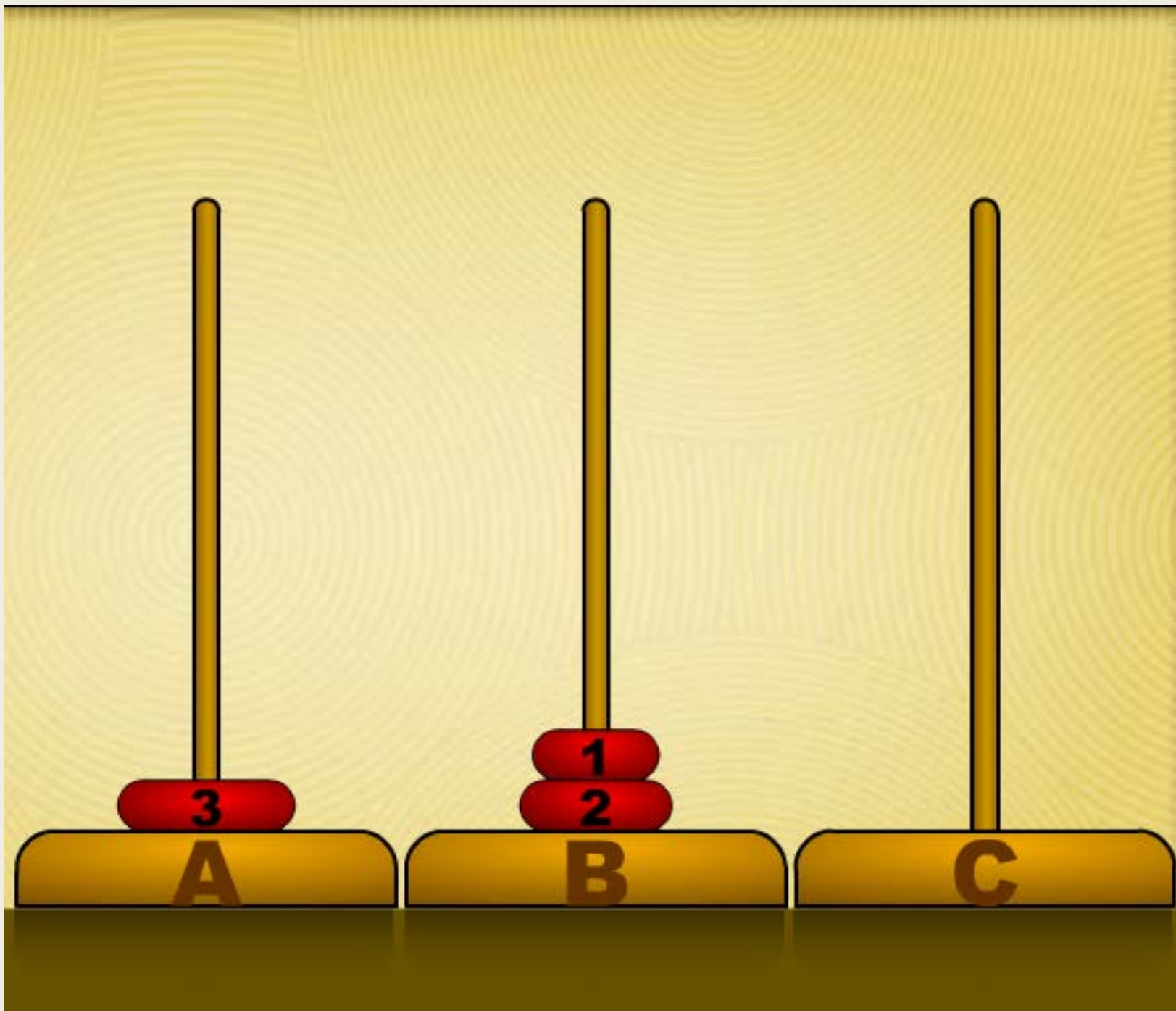
1. Small to C
2. Medium to B $N=2$
3. Small to B
4. Large to C $N=1$
5. Small to A
6. Medium to C $N=2$
7. Small to C



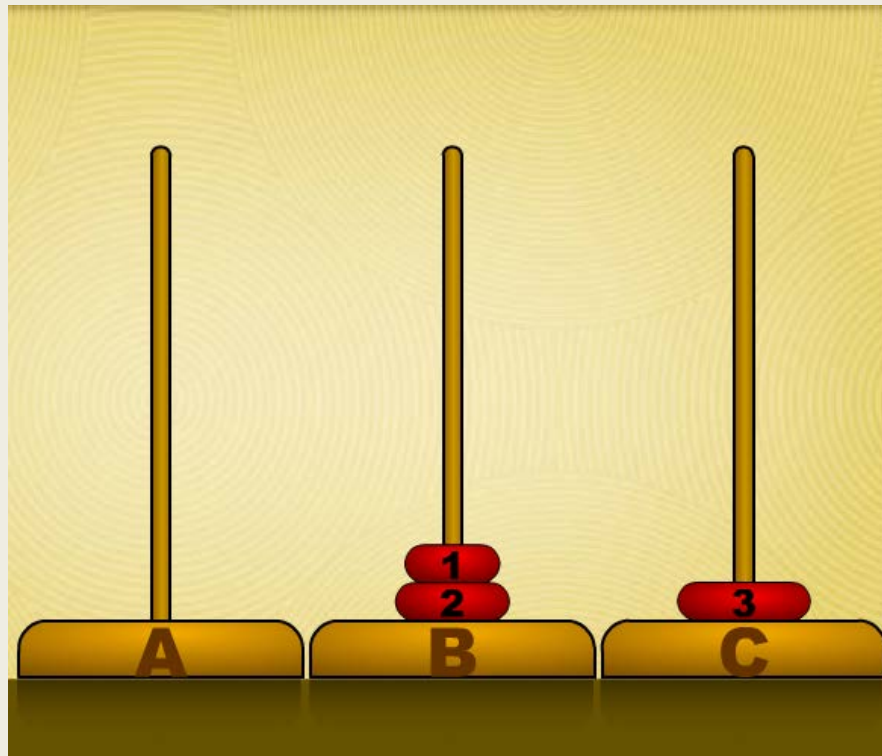
NOTE from Dr 3:

Dr. 2: Solve the $N=2$ problem and move the top two discs from the tower number one to tower two. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 2

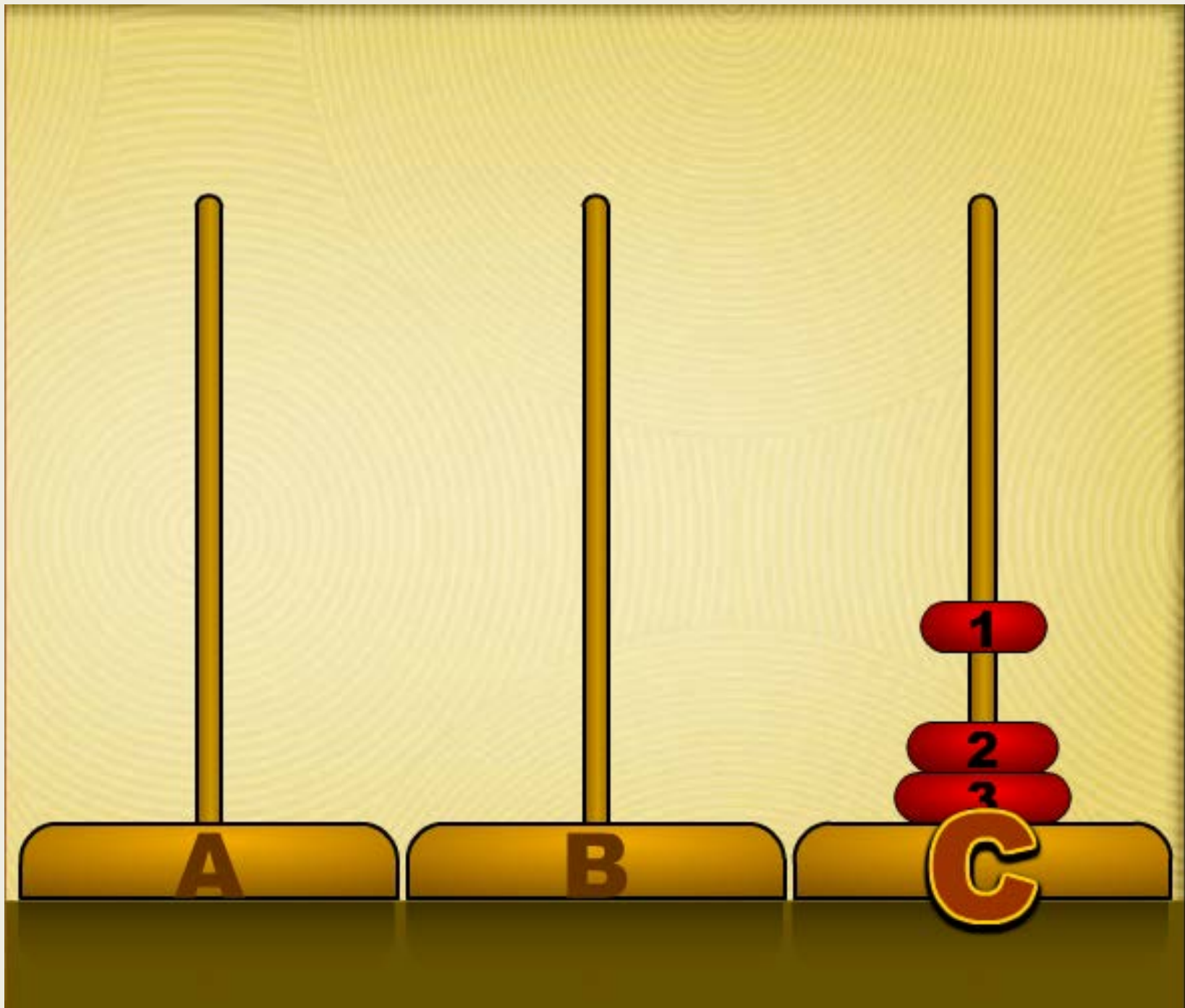


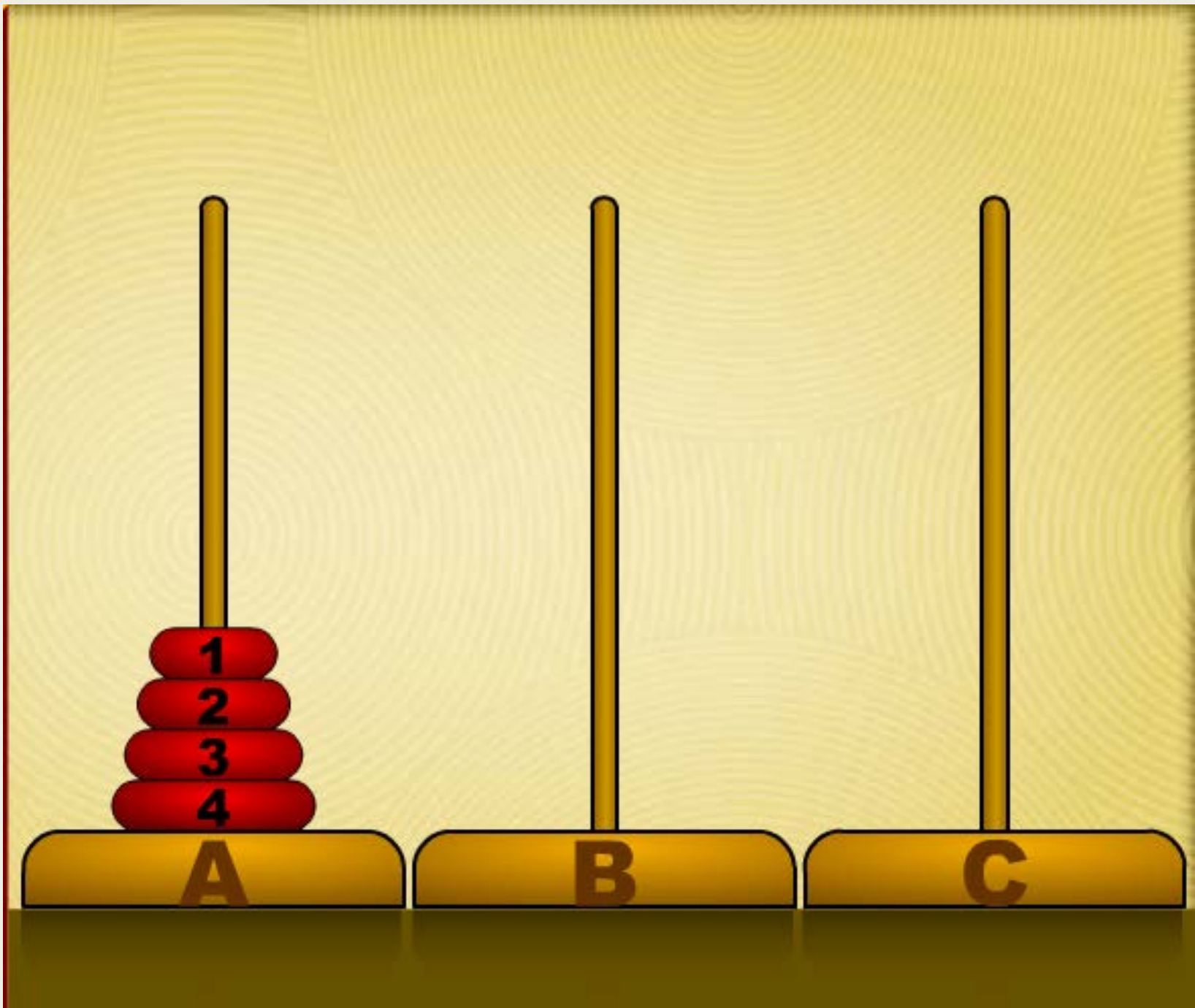
Puzzle and NOTE from Dr. 3



Dr. 2: Solve the $N=2$ problem and move the two discs from the tower number two to tower three. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 2





NOTE from Dr. 4:

Dr. 3: Solve the $N=3$ problem and move the top three discs from the tower number one to tower two. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 3



NOTE from Dr 3:

Dr. 2: Solve the $N=2$ problem and move the top two discs from the tower number one to tower three. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 2

Dr. 3 moves next
largest disk from
tower one to two

SECOND NOTE from Dr 3:

Dr. 2: Solve the $N=2$ problem and move the two discs from the tower number three to tower two. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 2

Dr. 3 passes puzzle
to Dr. 4

Dr. 4 moves largest
disk from tower one to
three

SECOND NOTE from Dr. 4:

Dr. 3: Solve the $N=3$ problem and move the three discs from the tower number two to tower three. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 3

THIRD NOTE from Dr 3:

Dr. 2: Solve the $N=2$ problem and move the two discs from the tower number two to tower one. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 2

Dr. 3 moves next
largest disk from
tower two to three

FOURTH NOTE from Dr 3:

Dr. 2: Solve the $N=2$ problem and move the two discs from the tower number one to tower three. Pass the Tower of Hanoi puzzle back to me when you are done.

Pass puzzle and note to Dr. 2

Dr. 3 passes puzzle
to Dr. 4

