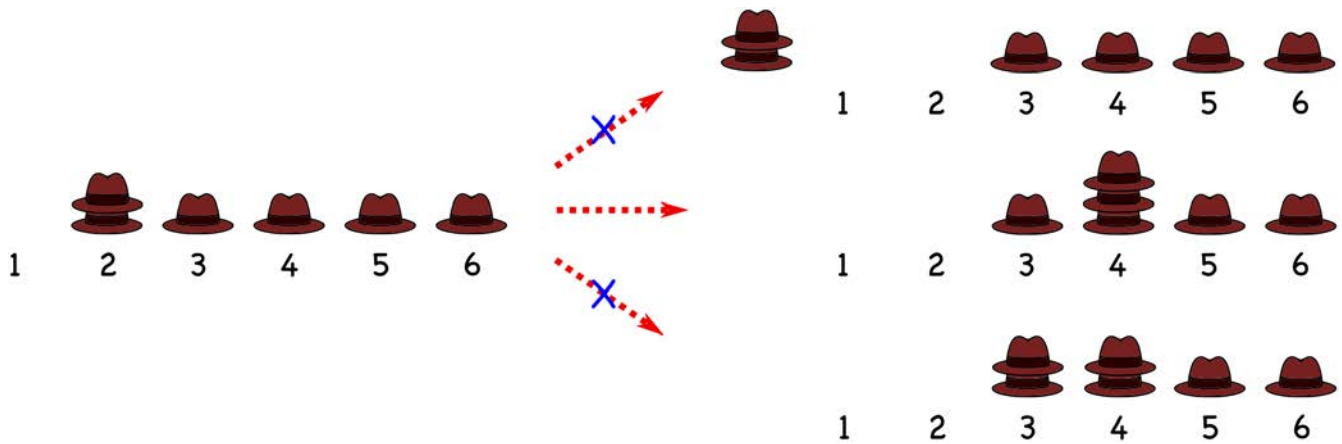


Puzzle of the Week

Stacking Hats – 2

Rules for stacking:

- 1) When you move a stack, you must move the whole stack onto a place with at least one hat.
- 2) A stack moves over the number of places for how many hats there are.
- 3) You can only use the original six spots.



THE CHALLENGE: Use these rules to move the six hats into one stack. The small blue hat needs to end up on top of the stack. Can the final stack of six hats end up in any of the six positions, or do only some of the positions work? Can the blue hat start in any position, or do only some of the starting positions work?



EXPLORATION: What happens if you start with seven hats in seven places? What changes if you allow hats to move to empty positions?