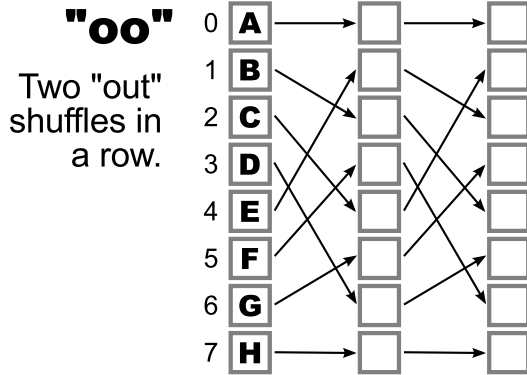


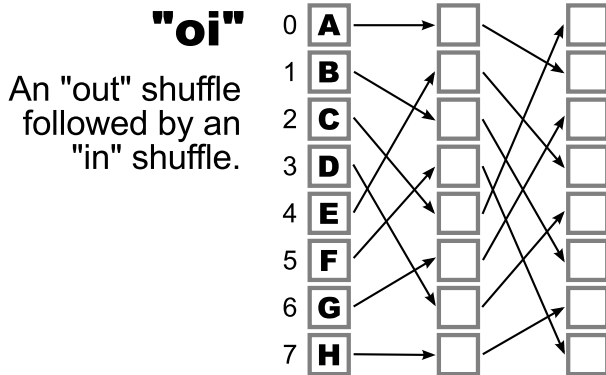
Two Perfect Shuffles

What happens to the top card if you repeat a series of in ('i') and out ('o') shuffles?



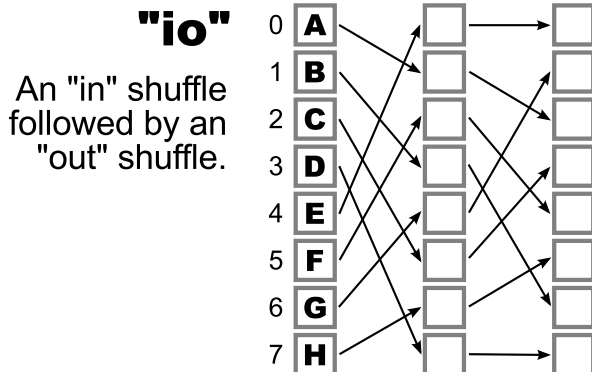
The top card ('A') moves to position **0**.

Since an "out" shuffle leaves the top card in the top position, any number of repeated "out" shuffles leaves the top card intact.

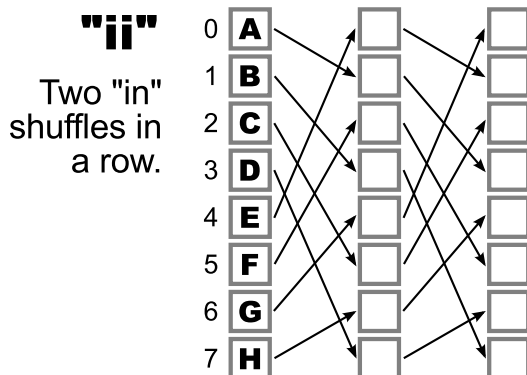


The top card ('A') moves to position **1**.

The top card doesn't start moving until you do your first "in" shuffle.



The top card ('A') moves to position _____.



The top card ('A') moves to position _____.