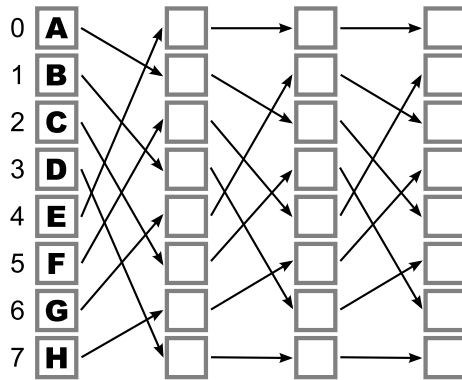


# Three Perfect Shuffles

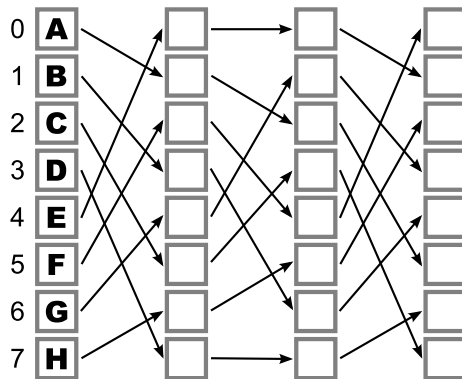
What happens to the top card if you repeat a series of in ('i') and out ('o') shuffles?

**"ioo"**  
in-out-out



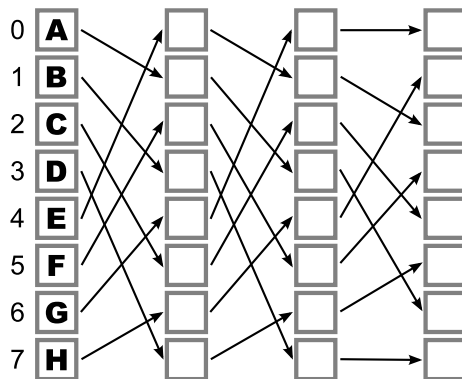
The top card moves to position \_\_\_\_\_.

**"ioi"**  
in-out-in



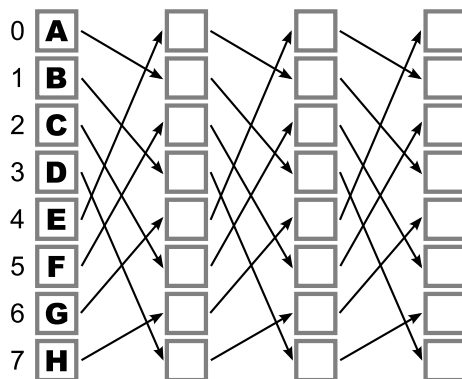
The top card moves to position \_\_\_\_\_.

**"iio"**  
in-in-out



The top card moves to position \_\_\_\_\_.

**"iii"**  
in-in-in



The top card moves to position \_\_\_\_\_.