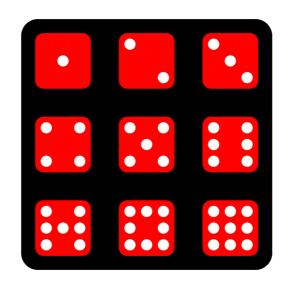
Tile Swap Puzzle Challenges



Instructions

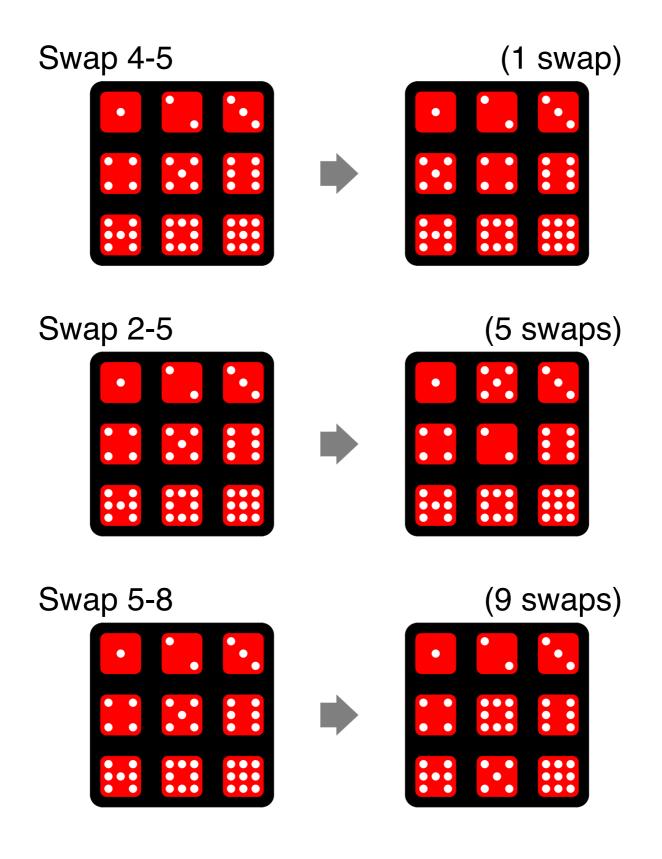
This booklet contains 36 challenges for the Tile Swap puzzle. The challenges are grouped by common themes and roughly ordered in increasing difficulty.

The goal of each challenge is to get from the given start state to the given end state by swapping tiles. You are not allowed to rotate the puzzle when solving a challenge.

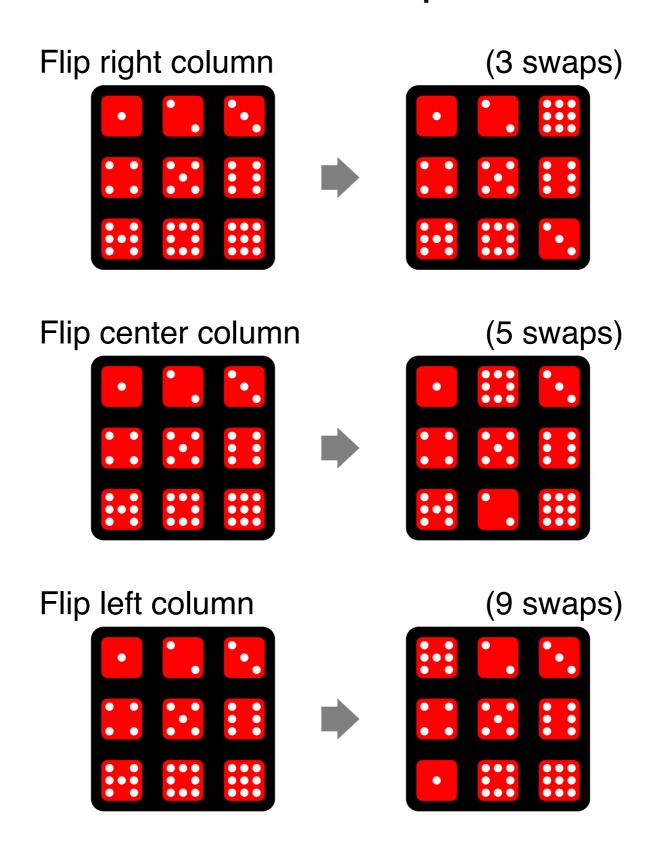
The start position of each challenge is either the basic state shown at the front of this booklet or the end state of the previous challenge, both possibly rotated. You can rotate the puzzle to get to the start state of a challenge.

Each challenge includes the minimal number of swaps needed to solve it. First just try to solve each challenge. After that you can count the number of swaps that you need and try to get close to the optimal solution.

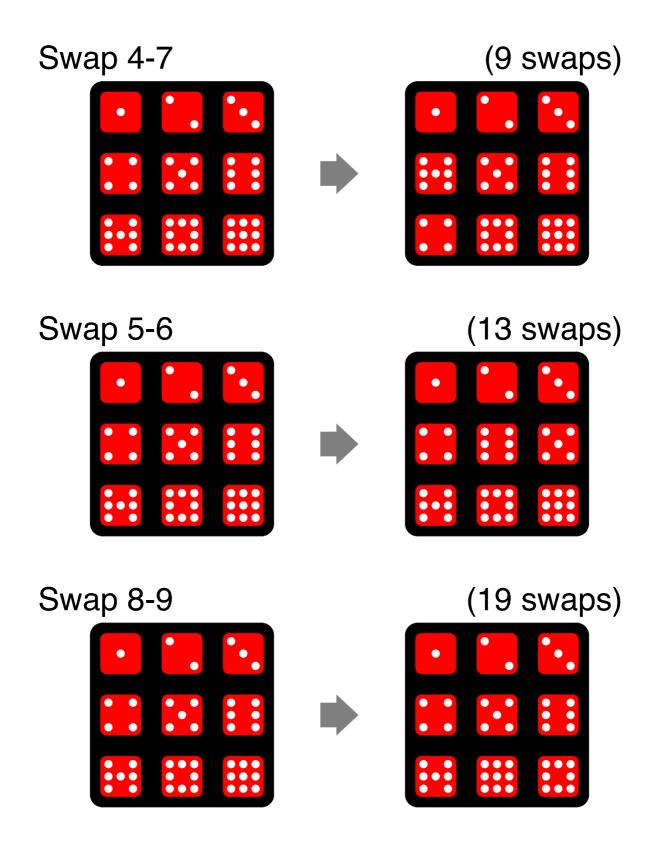
Basic swaps



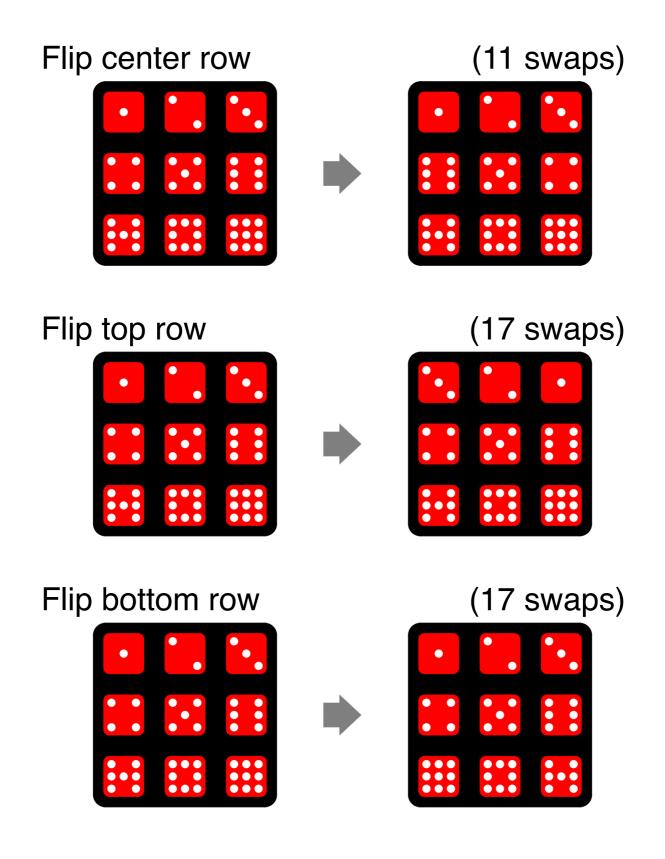
Column flips



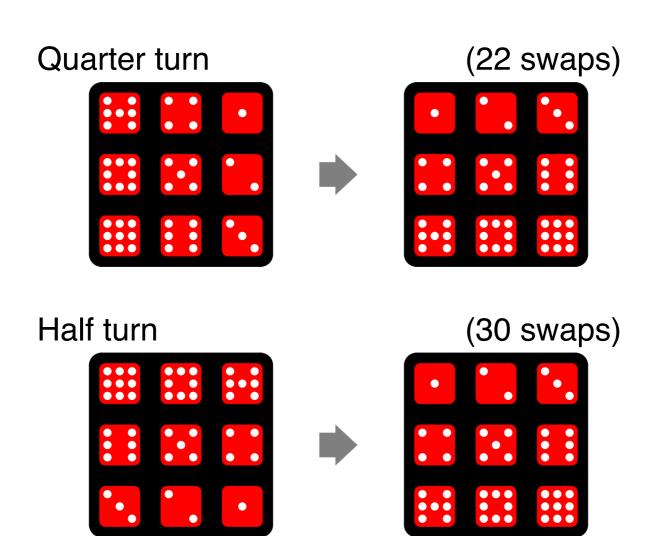
Basic swaps (2)



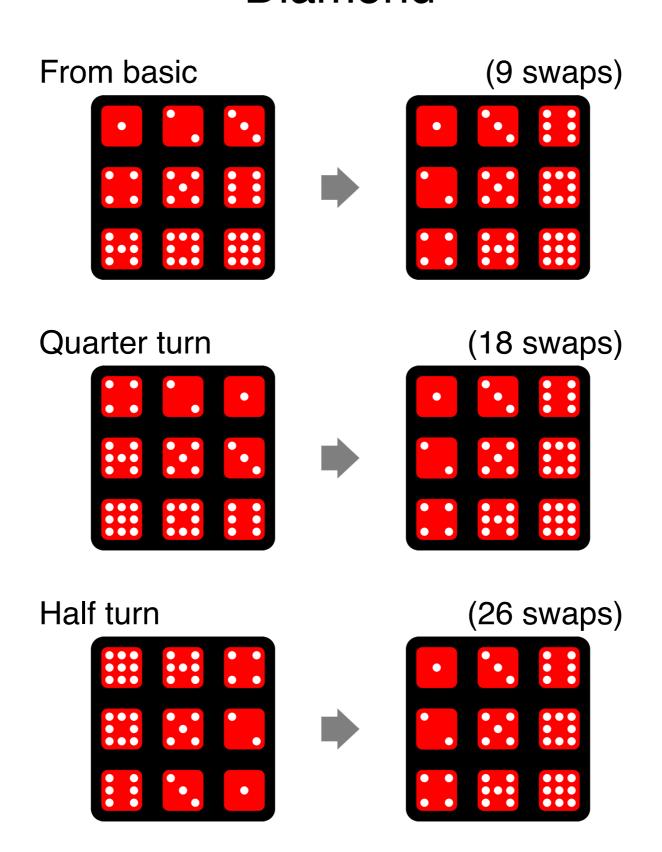
Row flips



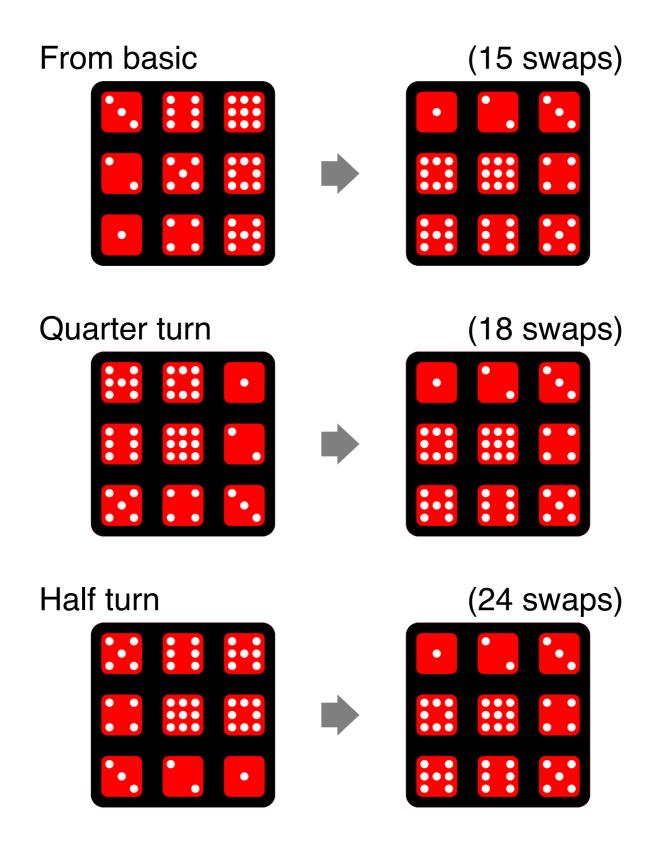
Basic



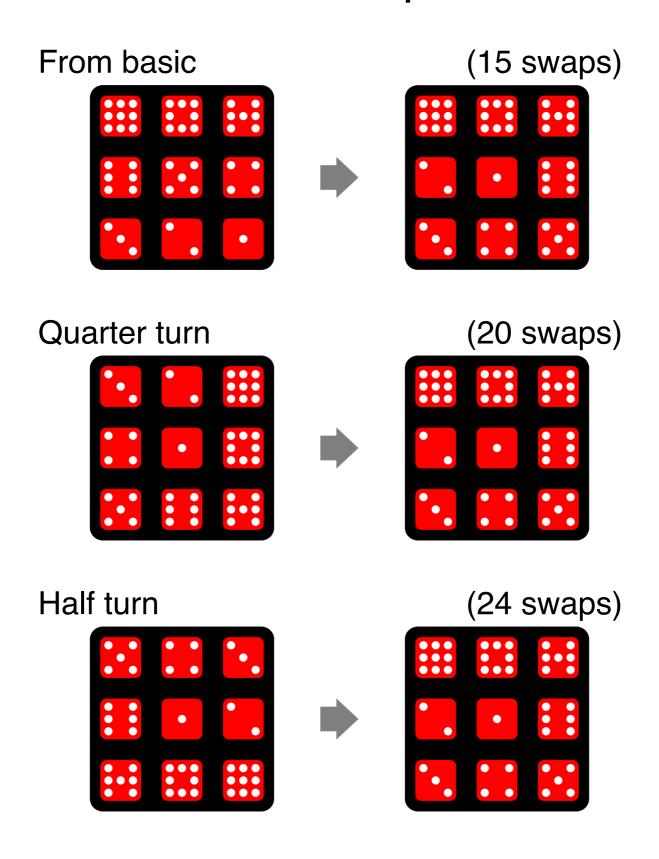
Diamond



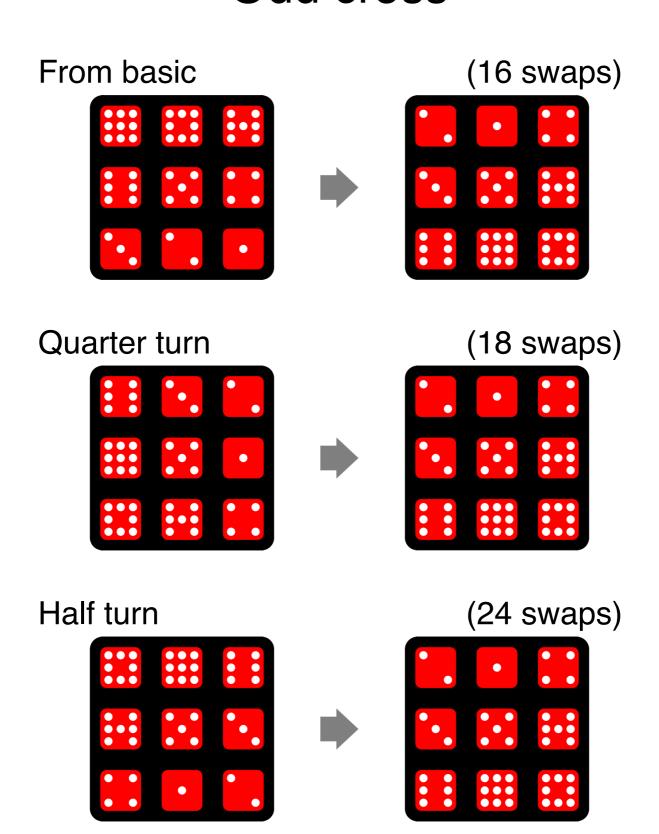
Inward spiral



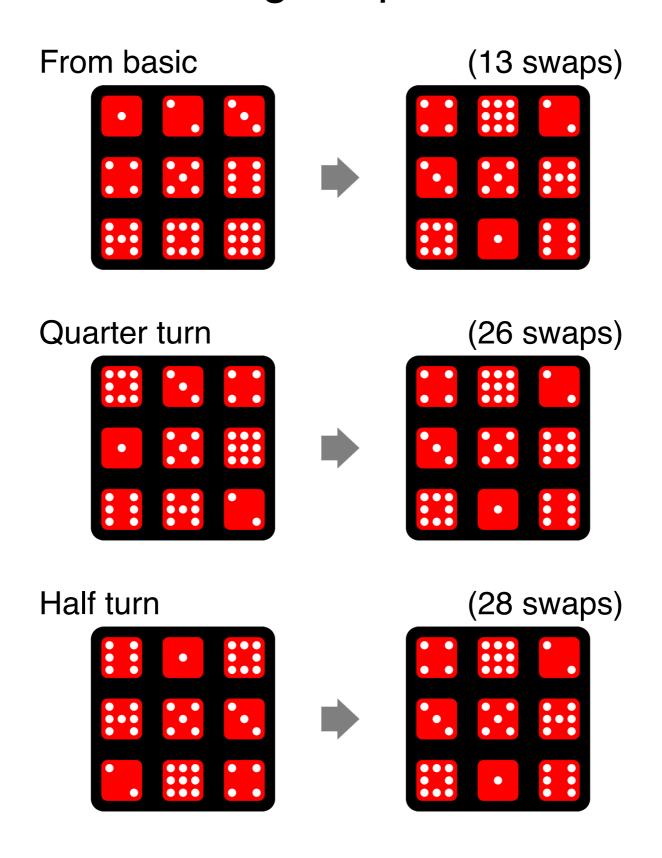
Outward spiral



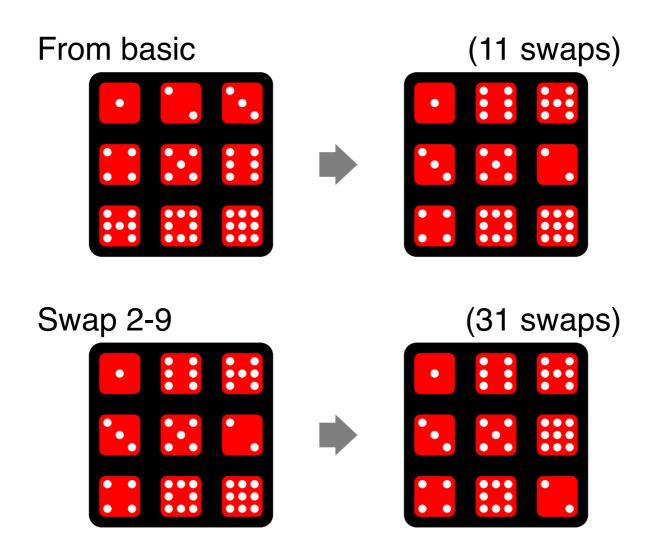
Odd cross



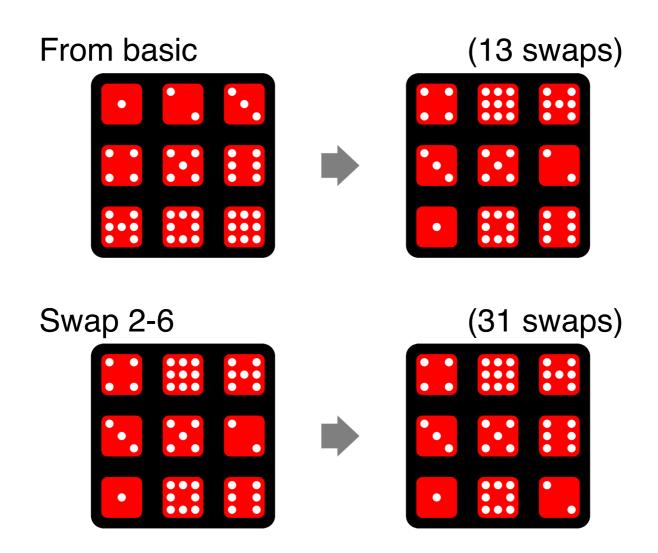
Magic square



Swap 31



Swap 31 (2)



Half turn 38

