100 Rubik's Cube Sudoku Puzzles

Sudoku for cubers

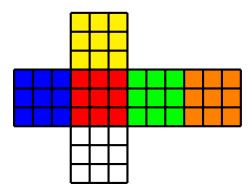
Made by **Zixing Wang**

Preface

Rules

Cube Sudoku is to fill colors in a $3\times3\times3$ Rubik's cube with the Western color scheme. Once the puzzle is solved, this means that the state is solvable by legal moves (that is, without taking the cube apart again).

Western color scheme



Solutions

Each problem has only one solution. Solution can be accessed after each problem. You can apply the scramble in the solution to your Rubik's cube with yellow on the top and red on the front.

Acknowledgement

Thanks to Xi'an Jiao Tong University Rubik's Cube Club, for providing the idea of "Cube Sudoku".

Github link

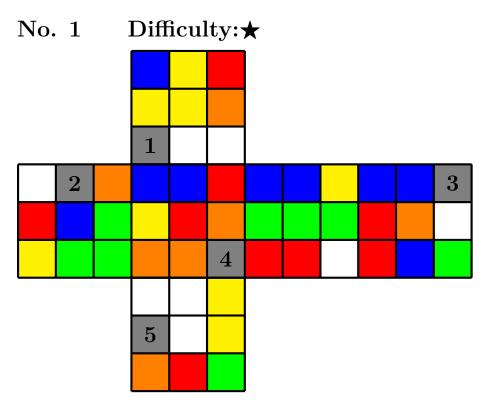
https://github.com/nbwzx/CubeSudoku

Contributors

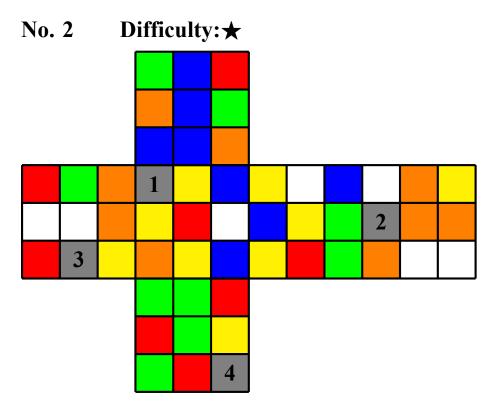
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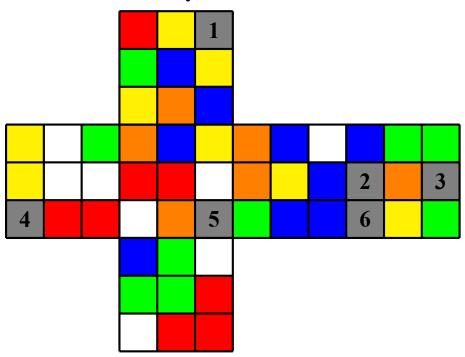


Solution 1: U2 D2 R D2 B2 D2 R D2 B2 D' B2 L U D'



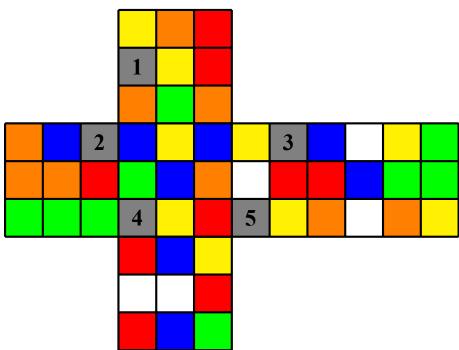
Solution 2: R D2 F D2 B L2 B U2 F U2 R2 B2 R2 L' F' L2 B R F D' Fw

No. 3 Difficulty:★



Solution 3: B2 L' U2 L' D2 B2 U2 L' D2 B2 L R B' R' B2 D R' B' F2 U L2 Fw

No. 4 Difficulty:★



Solution 4: B2 U L2 F2 D2 L2 F2 U' R2 U B2 D' F R B2 L D2 L2 F L' R2 Uw'

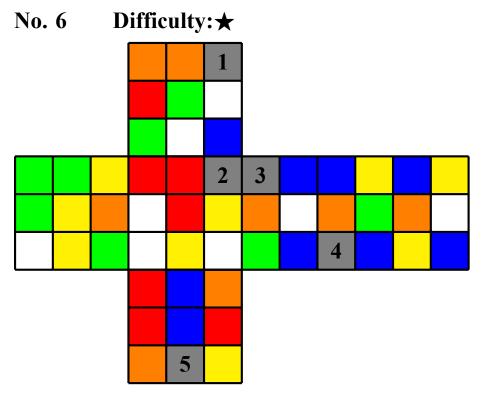
No. 5 Difficulty:★

1

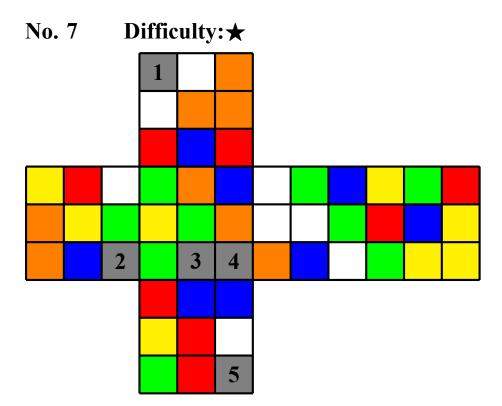
2
3

4

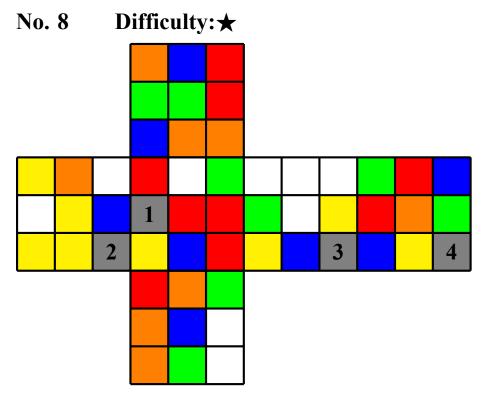
Solution 5: R2 B2 D2 R2 F2 U' L2 D B2 L2 D2 F' L' F' R2 F D2 R2 F' R' U Uw2



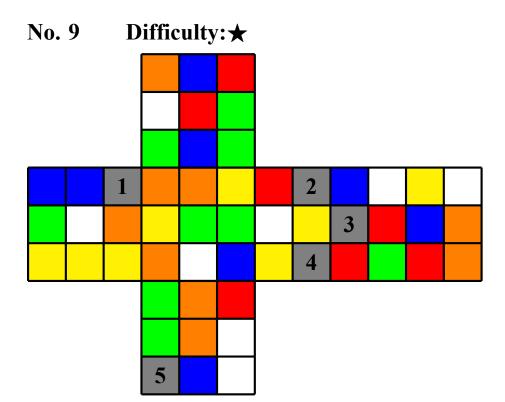
Solution 6: F2 R2 F' R2 F2 R2 F' R2 B L2 F2 R B R2 F2 L' B D' B U Fw'



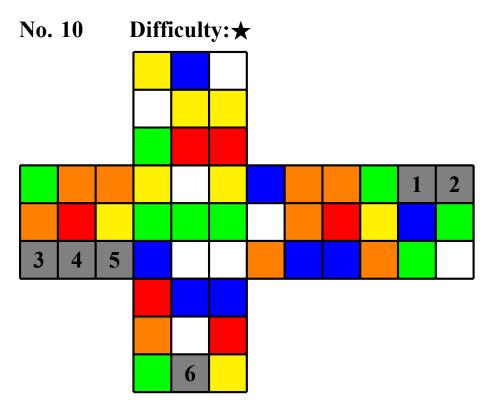
Solution 7: F' U' R2 B2 U L2 F2 L2 D R2 U' R2 B R U B D F' L2 B' R Rw' Uw



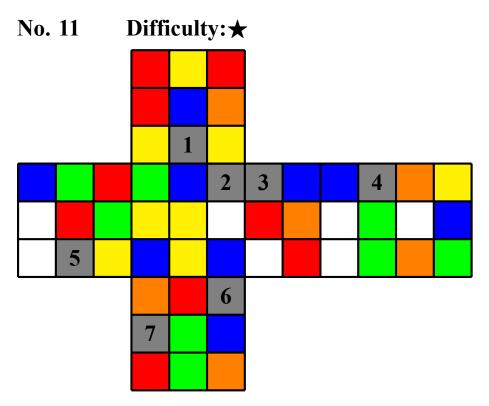
Solution 8: D R2 U2 F' L2 F' L2 B2 L2 D2 B F' D2 R' U F2 U R2 F R D2 Fw'



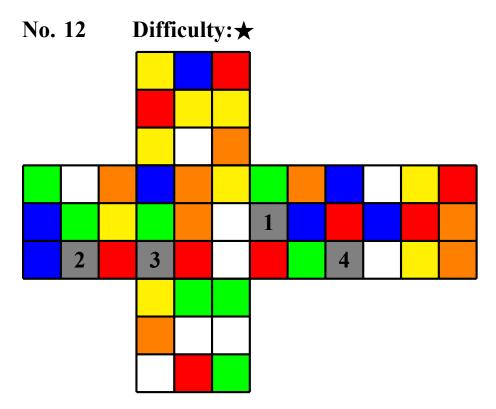
Solution 9: B' R U R L D B2 L' B R2 U2 R F2 L F2 U2 R2 B2 D2 R2 B2 Rw Uw



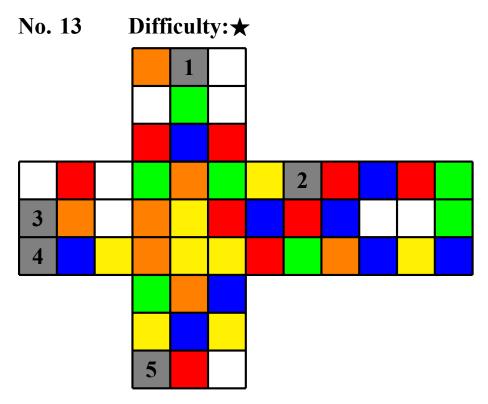
Solution 10: B' F2 U' R2 D' B2 U' L2 B2 U' F2 D2 R U2 B' D F R U2 R2 Uw



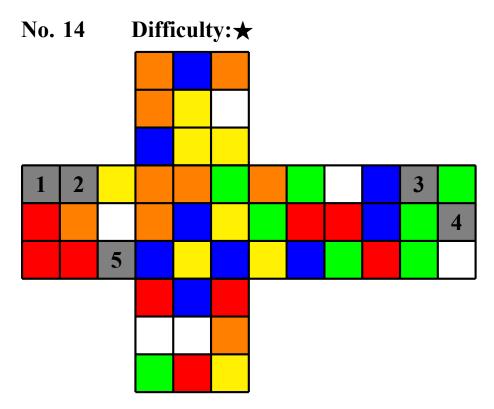
Solution 11: D2 L2 F2 L2 R2 D2 F' R2 U2 B' L2 F' U' B' D B R B D' L Fw Uw



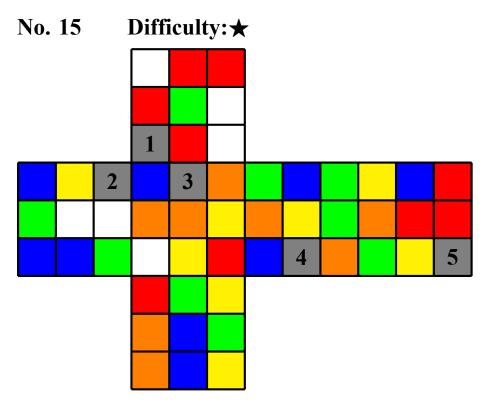
Solution 12: F' L R2 U B2 U2 B2 L2 R2 U' L2 D2 R2 D' R F U2 F U2 R2 D2 Uw2



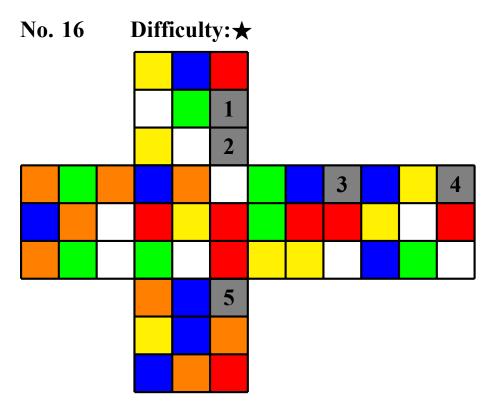
Solution 13: F U B' U2 R F B R2 D F2 R2 U2 R' U2 L' D2 L2 D2 F2 R' U2 Fw' Uw'



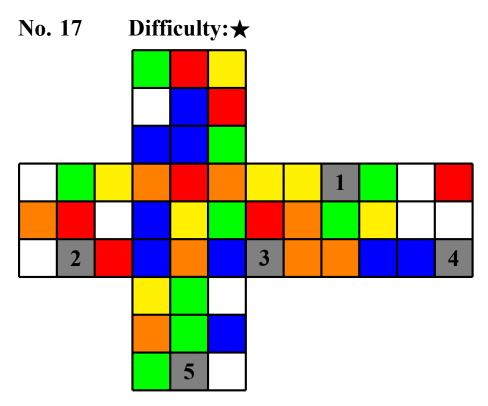
Solution 14: L' D' R2 B' L2 D2 U2 B R2 B2 R2 F' U2 B2 R' F2 D L2 U' F R2 Uw'



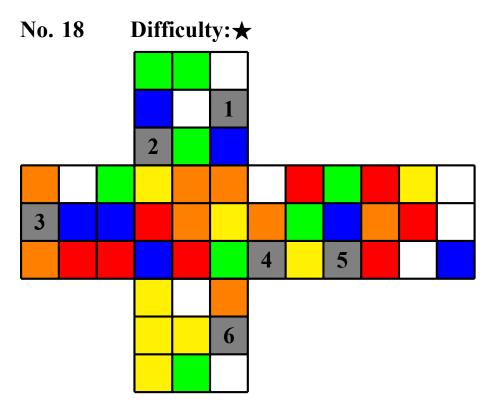
Solution 15: B D' R2 D2 B L2 B' L2 F R2 B' F2 U2 L' R D F D2 B' L F' Fw' Uw2



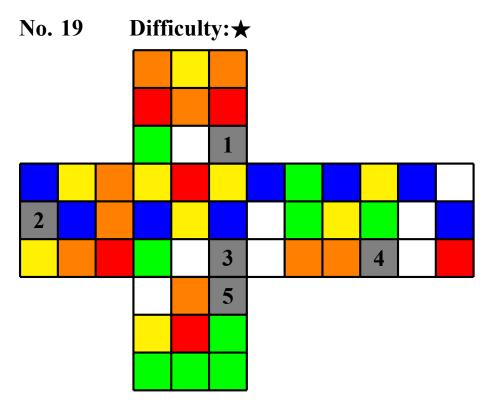
Solution 16: R' F2 L' D2 L' U2 R' F2 R' F2 D2 U' B D2 L' F2 R2 D2 U R Fw' Uw'



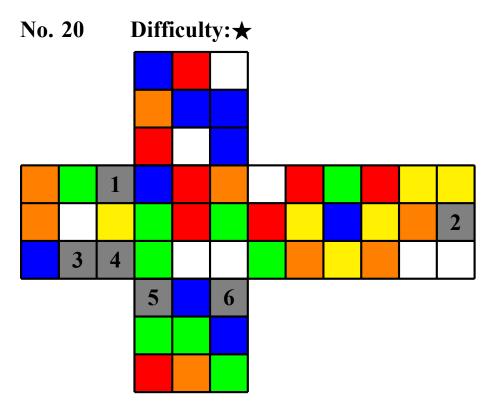
Solution 17: R' F' U2 F2 R' U2 L U2 B2 L2 R' D2 R' F2 U F R2 D2 B D L' Fw Uw



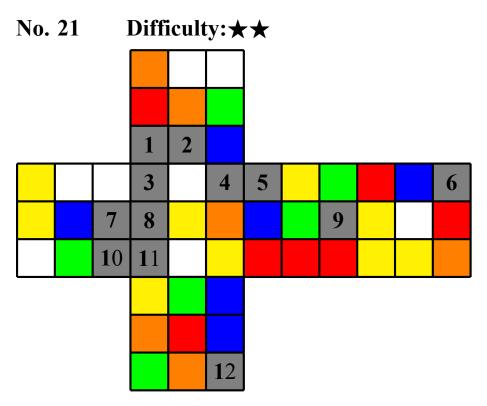
Solution 18: L D B U2 L D F' R' U B2 U2 B' L2 B' L2 U2 L2 F2 R2 D2 F2 Rw2



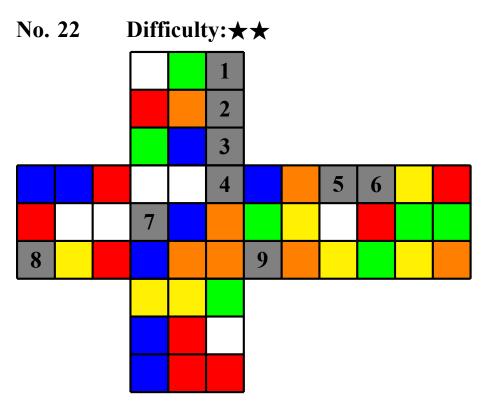
Solution 19: F2 D L F' R' U L F' B U2 L2 B2 R2 D2 B D2 B2 R2 U R2 Rw'



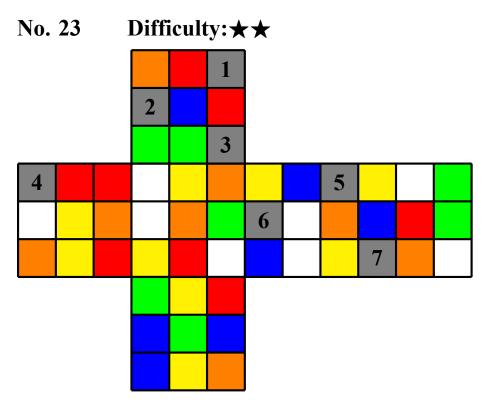
Solution 20: U' B2 L2 U2 B L2 B U2 R2 D2 F U2 F' R B2 L D' F' U2 F' R' Fw



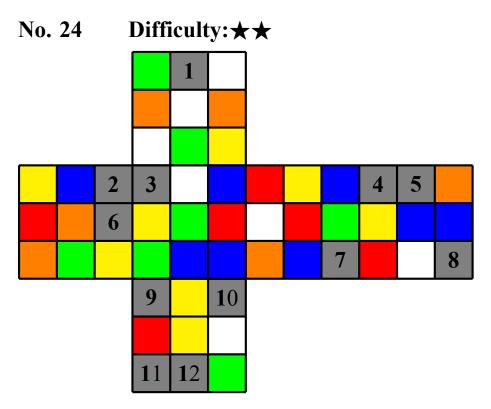
Solution 21: D R2 D F2 L2 U B2 U L2 U B2 U F' U' R U2 R2 D' L2 B' L Rw'



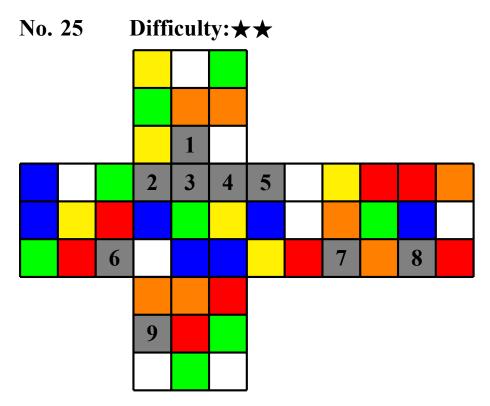
Solution 22: F2 R2 D R2 U L2 U' F2 D' U2 R2 F' U' L' R' D B' D F2 U' Rw' Uw'



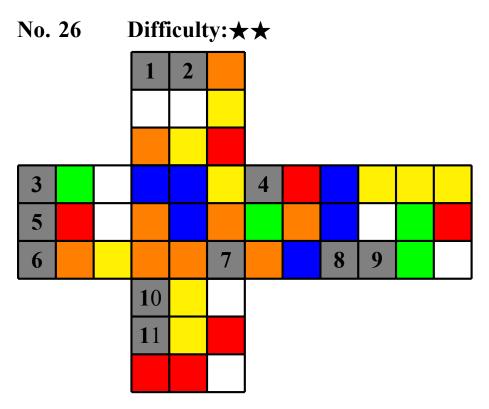
Solution 23: B2 R2 D2 B2 D2 F2 R2 F2 U' L2 U' L' F2 D' B' F2 D2 R' D' R' Fw Uw2



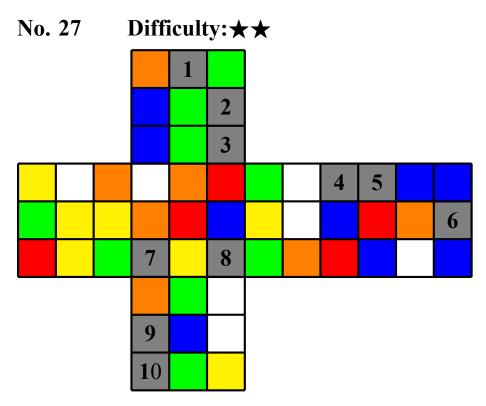
Solution 24: B R D2 F2 R2 F' U D L D L2 U F2 U' R2 F2 B2 U B2 D R2 Rw2 Uw



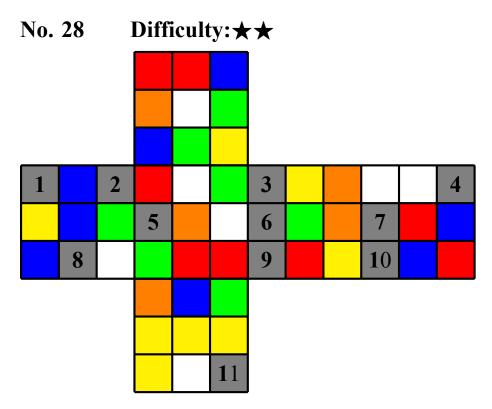
Solution 25: F2 D L2 D R2 B2 U2 L2 D2 L2 U B' D U2 R2 D2 B2 F R Rw' Uw



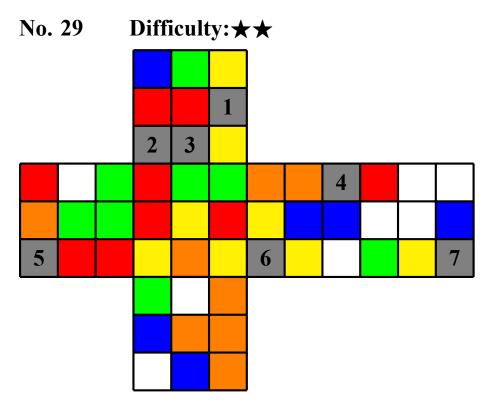
Solution 26: R2 D U2 B2 D' U' F2 U' F D R' U R2 F' L R2 U' Rw2 Uw'



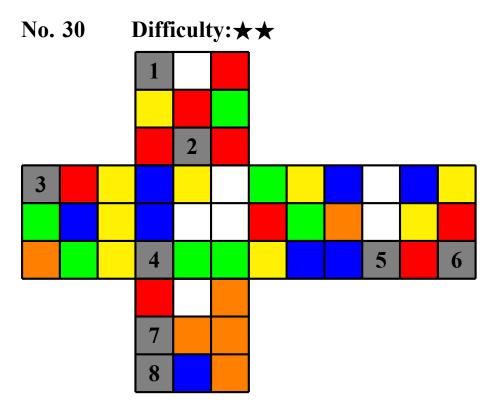
Solution 27: F' R2 D2 B' D2 L2 F2 D2 F' D2 B' R' F L2 D2 U' R2 F2 Fw'



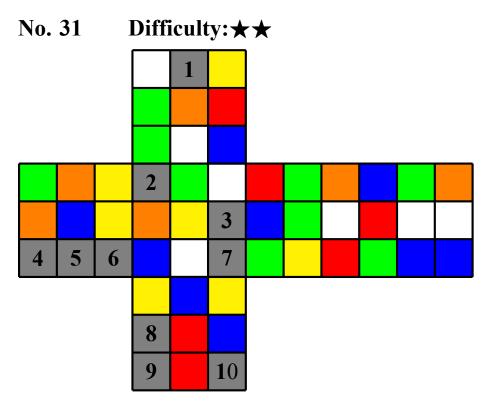
Solution 28: F2 R B R2 U' B R B2 R2 B2 L2 U' L2 F2 U B2 U2 F2 D B D2 Rw2



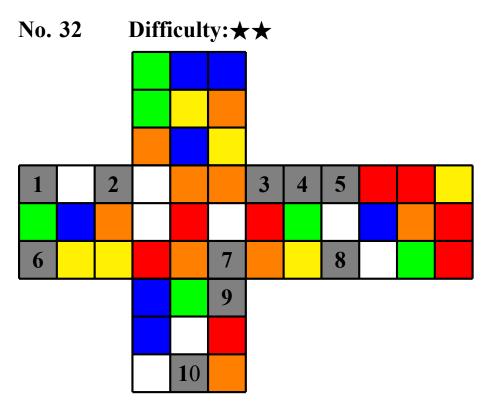
Solution 29: B' L2 D B2 L2 D' R2 D' B2 D B2 U L2 F R2 U' B' R D' B' F2 Rw Uw2



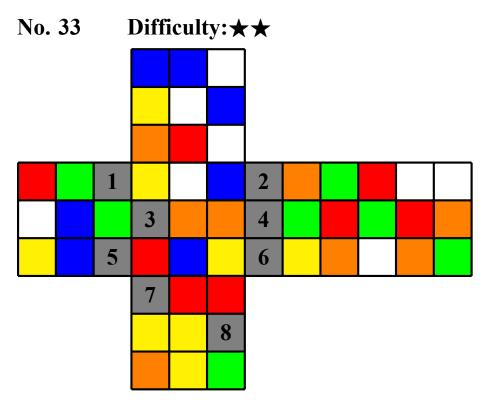
Solution 30: F2 U' L2 U' R2 U2 L2 B2 D R2 B2 U L' D' L2 B2 L U R2 F' D2 Rw



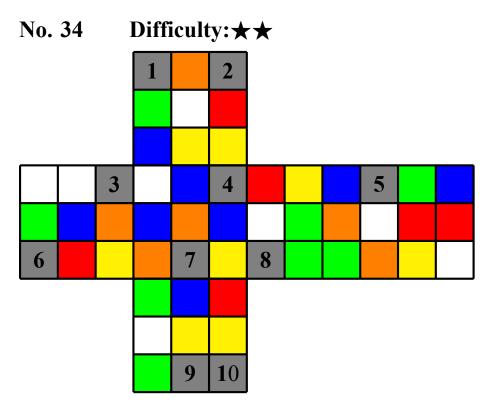
Solution 31: B U' R2 F B2 D B U2 F2 L' D2 F2 B2 L U2 R2 F2 D2 L2 B' L2 Rw'



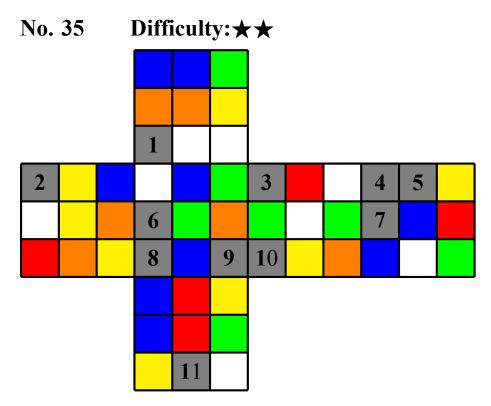
Solution 32: D' R F2 U' F2 R' F' U B R2 U2 R' F2 L' U2 L' U2 L' B2 R' U2



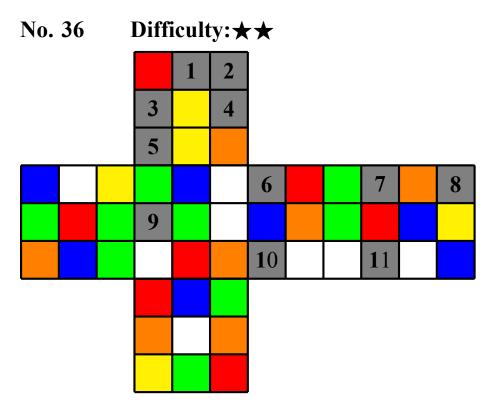
Solution 33: R' D' F' L' D L' F U2 B2 R U2 B2 R2 L' U2 L2 D2 L' F2 B R2 Rw2



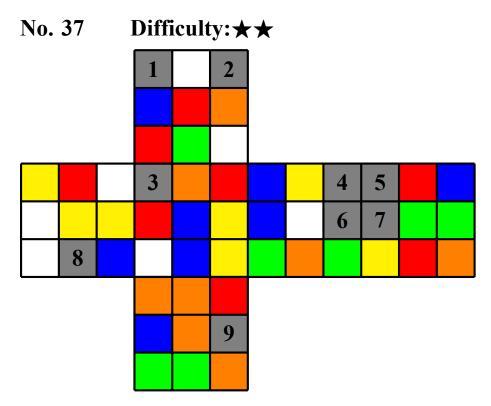
Solution 34: D B' R' F R2 F U2 R2 B D2 F L2 B F' U' F2 U2 R B' L D2 Rw2



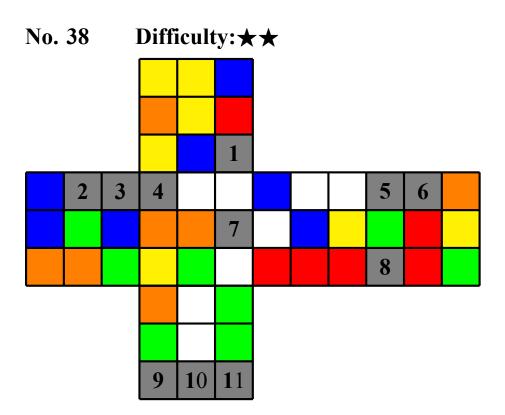
Solution 35: F' L' F B D F' U' R' F' R2 F U2 L2 B R2 B2 L2 B' L2 F Rw' Uw



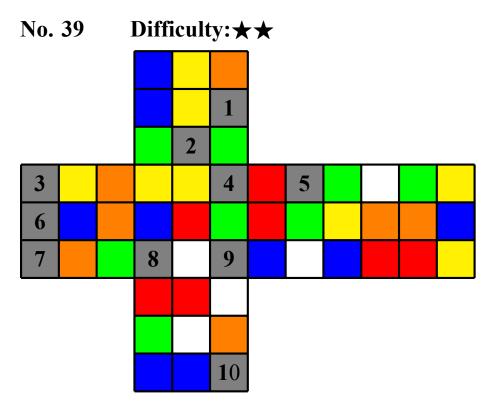
Solution 36: R' F2 U2 F2 D2 L2 D F2 U2 L2 B2 U' L2 R' D' L2 B' D' B2 U F' Uw



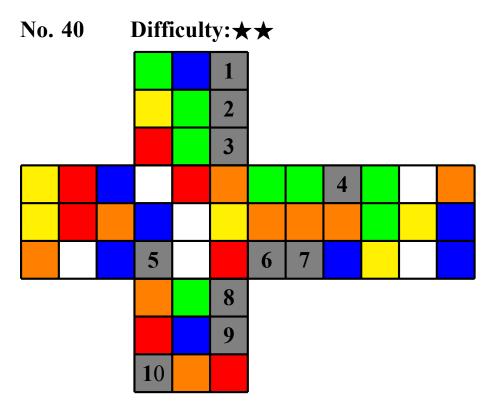
Solution 37: R2 U R B2 L U' B F2 U F2 U' R2 L2 F2 U R2 D2 R2 D' R U2 Rw Uw'



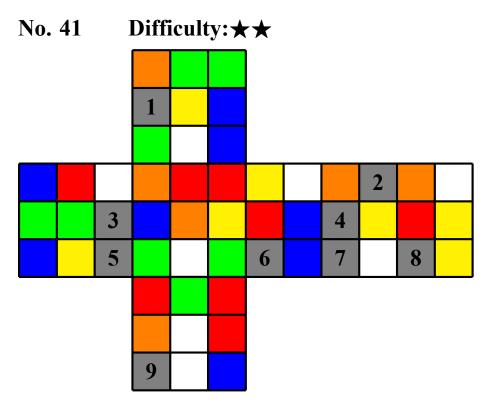
Solution 38: F D' B' U2 L2 F' D' L F L2 D2 F' U2 F2 U2 L2 D2 R' L2 Uw2



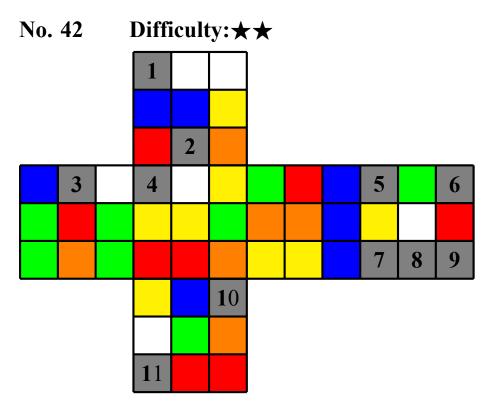
Solution 39: R F B2 L2 D L2 D2 R2 B2 F2 U' L2 U2 L' D' R' B' F' D' U' L2



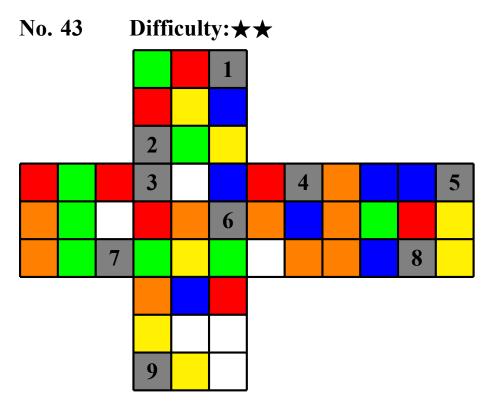
Solution 40: L2 B' D2 B2 R2 D2 R' D2 F U' L2 U' F2 U B2 R2 U2 F2 U L2 D' Fw' Uw



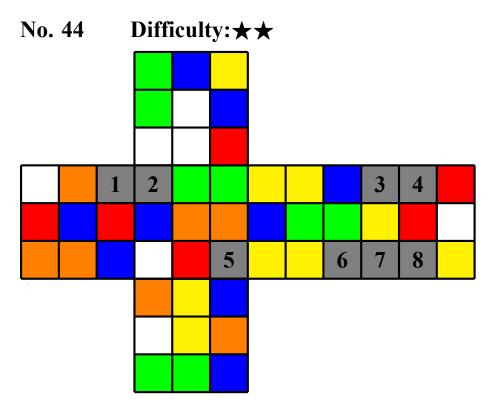
Solution 41: F2 U' F2 U' L2 B2 U2 B2 U R2 D' L2 B D' F L2 F R' U F L' Uw2



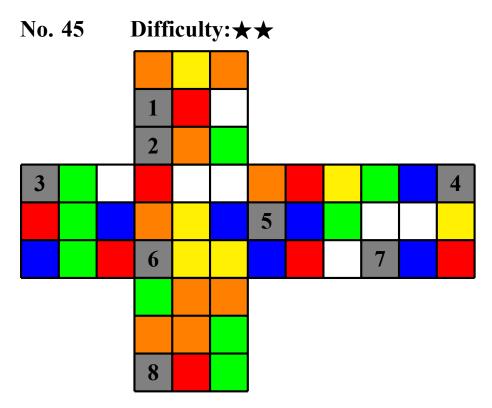
Solution 42: D2 B2 L2 B2 D L2 R2 B2 D R2 D2 U' L F2 U' B' F2 U L' B R2 Fw Uw



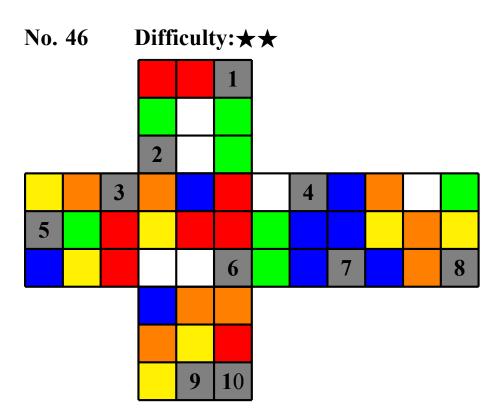
Solution 43: L U2 B2 U2 R B2 D2 L' D2 L' U2 D' F2 R' U L2 F' R2 U B' Uw2



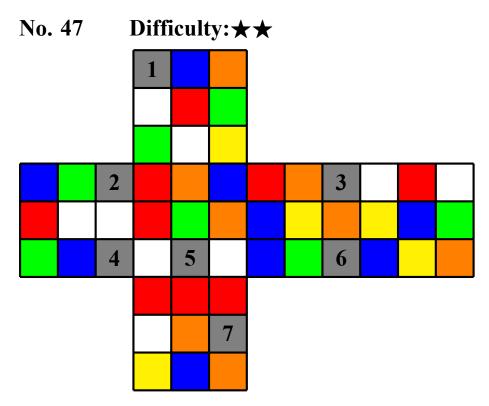
Solution 44: B' D2 L D F R2 L' B U2 B2 L2 D2 L U2 D2 L2 F2 U2 L' U2 D' Rw2



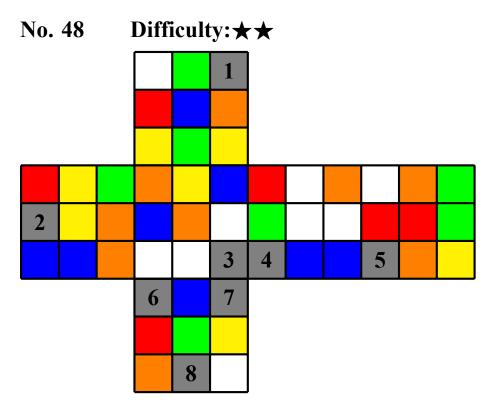
Solution 45: R' L2 D2 U L2 D' F2 D B2 U F2 U' L2 R' U' L2 R U L2 B' D2 Rw Uw2



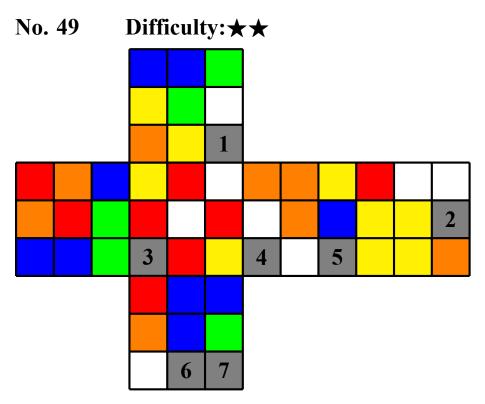
Solution 46: D2 L2 D2 U L2 U' L2 R2 B2 L2 R2 B L2 R D' B' L B' D' B2 F2 Rw2 Uw2



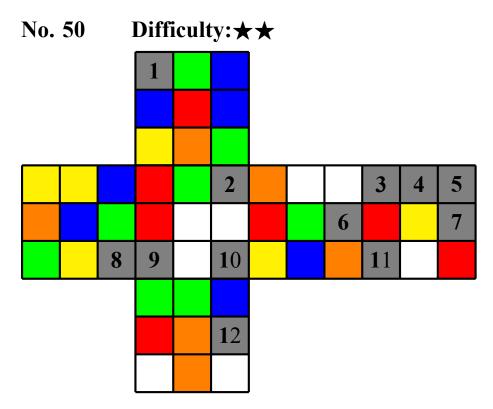
Solution 47: D' U' B2 L2 D B2 U R2 U2 F2 U' R2 F D2 R' B' L2 U B D' Rw Uw



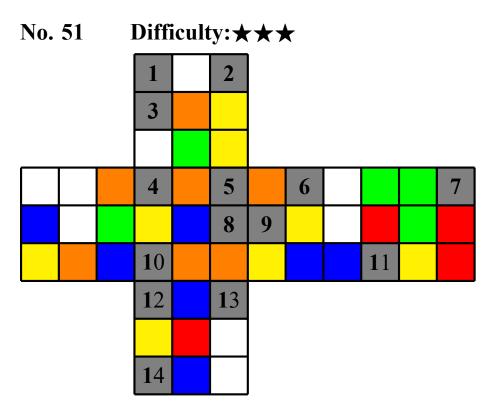
Solution 48: R D L' U F2 D' B U F2 L D2 L' D2 L D2 F2 L' D2 L' D2 U' Fw Uw2



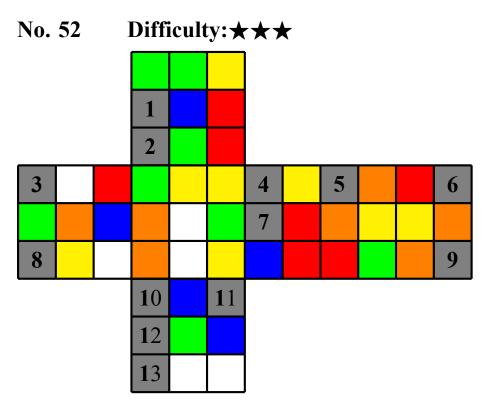
Solution 49: U2 F2 D2 U2 F' D2 R2 F D2 B L2 F' R' D L2 F' L' R' F' D2 L Fw' Uw



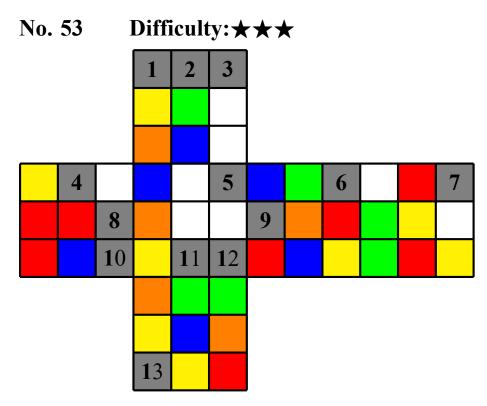
Solution 50: D L2 U' R2 D2 L2 R2 F2 U B2 U F2 B' L' U' B D U' L2 D' F2 Rw



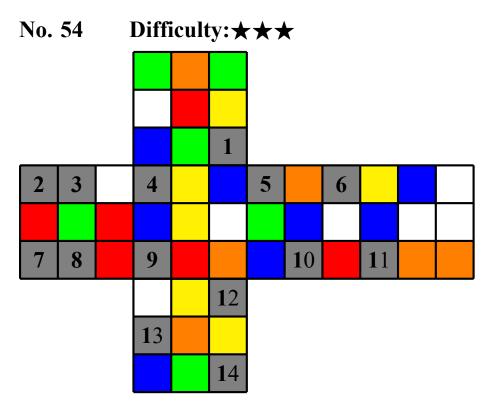
Solution 51: B2 D2 R2 D' L2 B2 U L2 R2 D2 L2 U' F R' U B2 D L2 B2 L2 B' Rw' Uw'



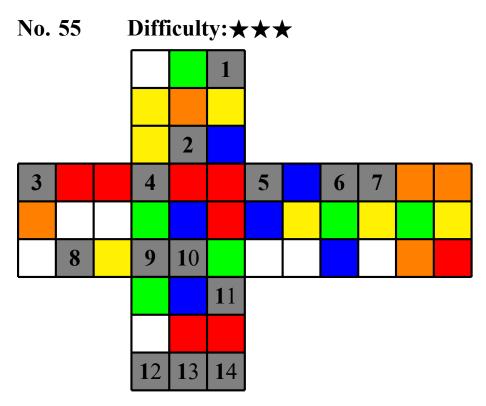
Solution 52: R D2 B R2 L2 B2 R U D2 B2 U2 R2 U2 B' R2 B' U2 F D2 R2 L Fw Uw'



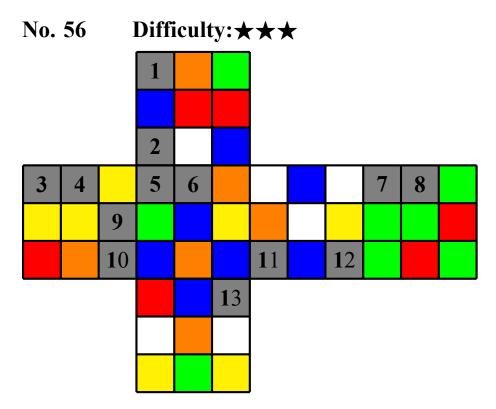
Solution 53: B2 R' B2 U2 R' D2 L F R2 D L2 F2 D' B2 D' B2 R2 U' B2 L2 Fw' Uw



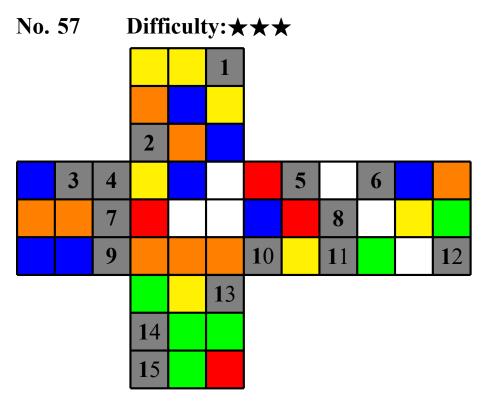
Solution 54: R' F' R2 F' L2 B' R2 D2 L2 R2 B2 D2 F' D B' R' D R2 D L2 U' Rw Uw2



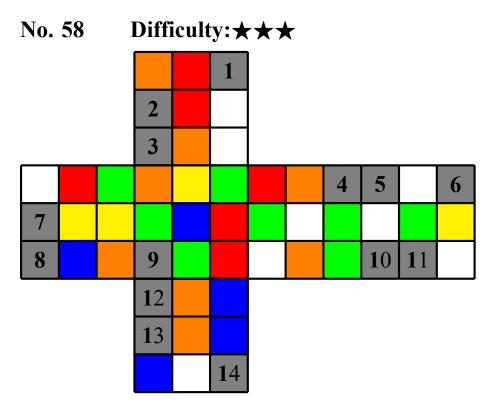
Solution 55: F' B2 D' L U B' D' F U2 R' F2 D2 B2 U2 L2 D2 R' F2 U2 L F Rw' Uw'



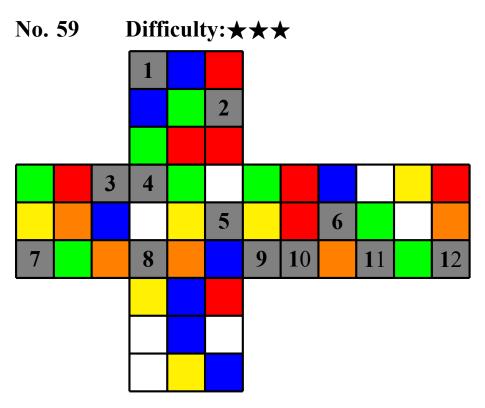
Solution 56: R D2 R2 F U2 F L' F2 U R2 F2 D' L2 U R2 B2 L2 B2 U2 Rw Uw'



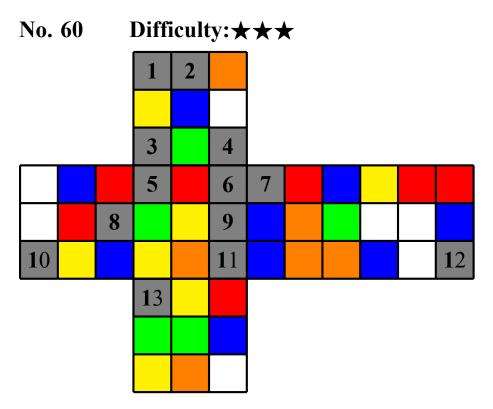
Solution 57: R2 B' R D2 L D R2 F' R U' B2 U L2 D' F2 U R2 U2 L2 B2 D2 Fw Uw'



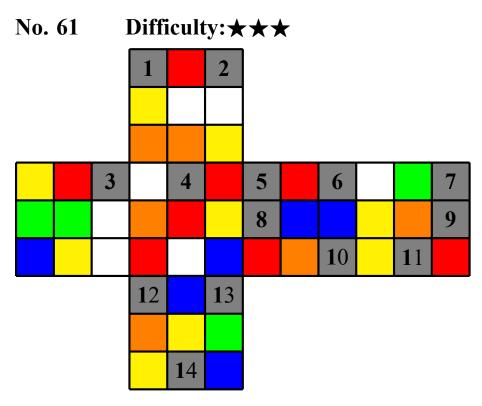
Solution 58: D2 L' B D2 B' F2 U2 L2 F D2 L2 F U2 L D' U' R' D' R B' L Rw Uw'



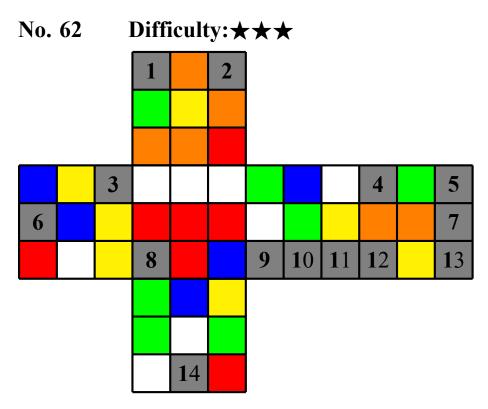
Solution 59: L U' L F2 R2 B R2 D2 L2 R2 B D2 R2 B2 L' B' F2 L' U' B F' Fw' Uw'



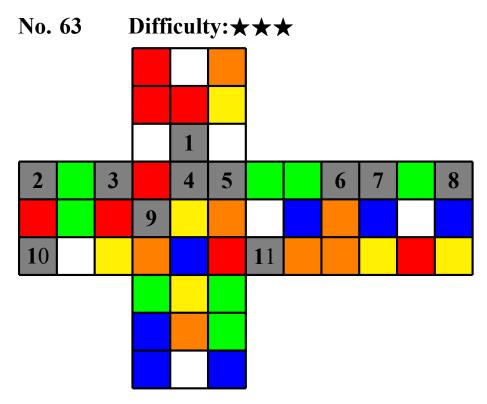
Solution 60: B2 R B2 U2 R F2 R' F2 U2 L' D2 R2 D B2 D2 R2 F' U L B U2 Fw Uw



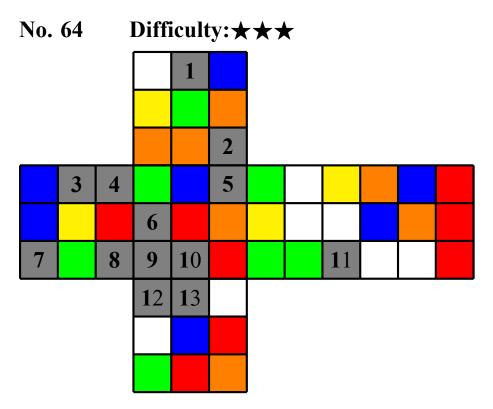
Solution 61: U' B2 L2 D2 B2 U2 B R2 D2 U2 F' R2 F' D F' L R U' F' D' Rw2 Uw2



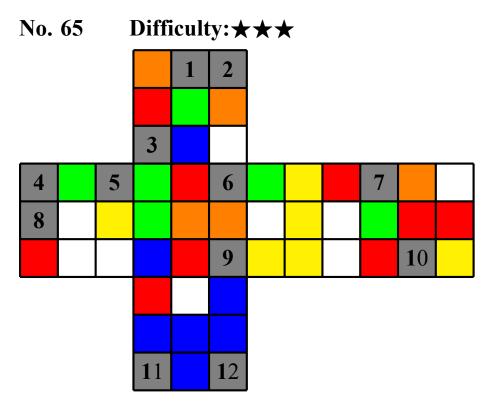
Solution 62: R2 D2 B2 L2 B L2 U2 F2 D2 B D2 F' R' D' L B' F' D F2 L D2



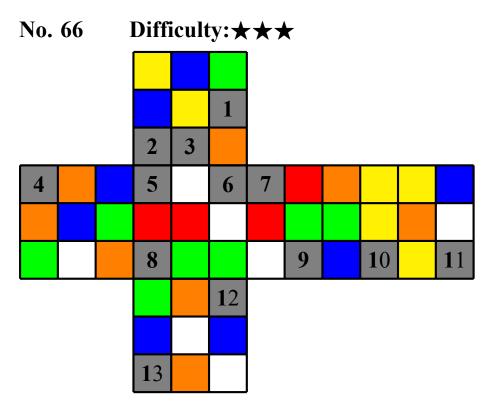
Solution 63: D R2 U2 B2 L2 R2 D2 F L2 B' D2 F' R' D U F2 R' U' L' R B Rw Uw2



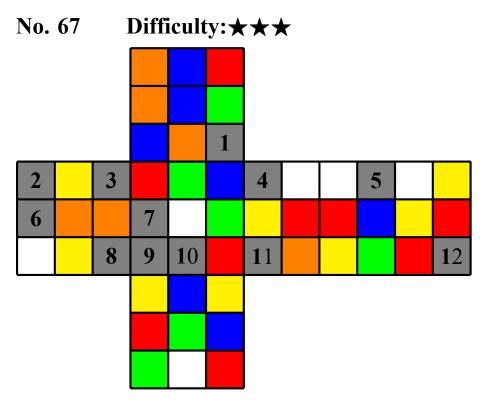
Solution 64: L2 F U2 B U2 L2 B' F' R2 U2 F D' U L' B' L R' U2 F' D R Fw'



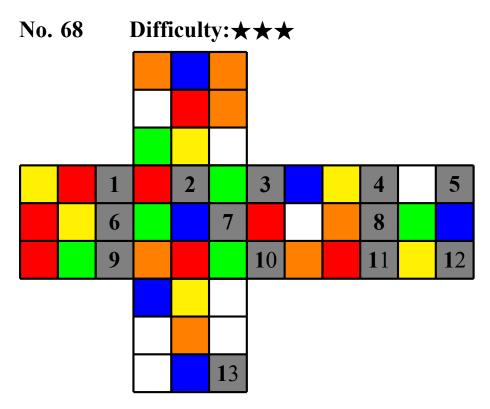
Solution 65: U' D2 R2 F2 B' D B' U2 L2 D2 R2 F' U2 B U2 B U2 R2 Fw' Uw2



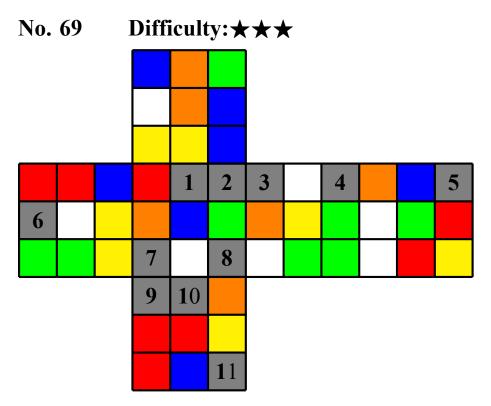
Solution 66: U' F2 U B2 D L2 D' L2 R2 U' R2 F U R2 U' L' D' F' R D2 U



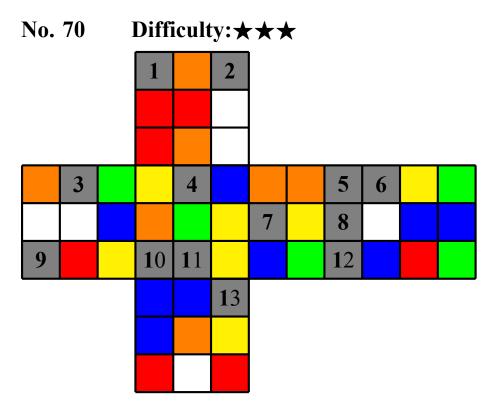
Solution 67: R F2 D2 B2 U L2 F2 R2 B2 D2 U R2 U F' R' B D' F D F2 D2 Fw Uw'



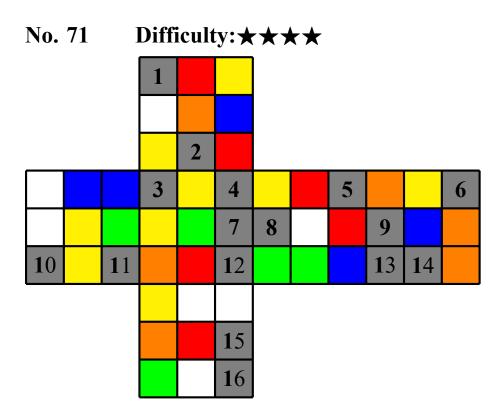
Solution 68: D F2 L2 R2 U B2 L2 B2 D2 R2 D2 F2 R' F' R2 F2 R' U L2 D R Rw Uw'



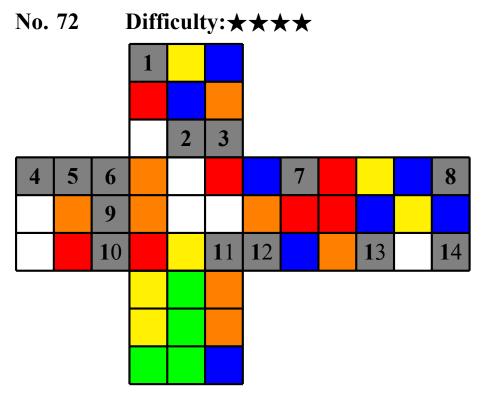
Solution 69: D B R' B' U R' F2 R' U2 R2 L2 U2 R2 D' F2 D R2 F2 U' F2 Rw' Uw'



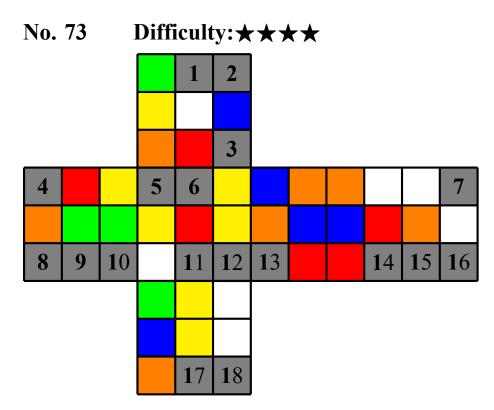
Solution 70: D' F' R' B R U2 L' F U2 F R2 F L2 F2 L2 F L2 F' R2 D' F Rw Uw



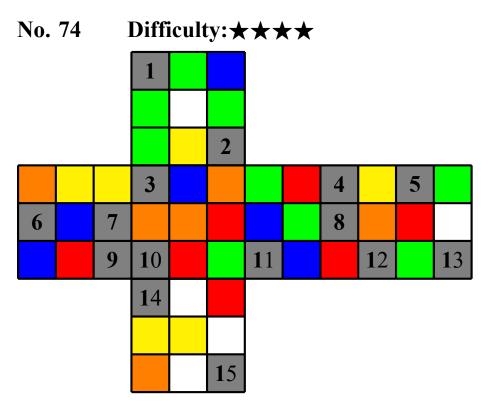
Solution 71: F U' F2 B' R L F' U B L2 U' R2 D' F2 U' F2 L2 D2 L2 U Rw' Uw



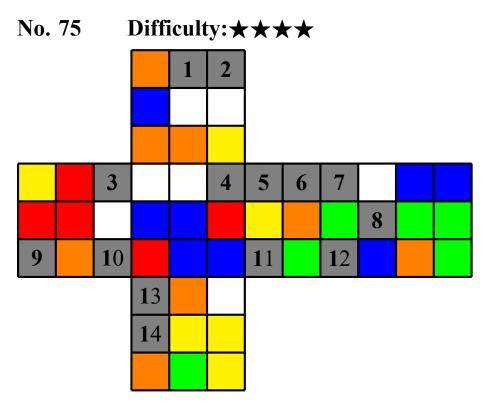
Solution 72: D R' D2 B2 R2 U2 B' D2 B D2 F2 L2 B' R2 D U L U2 B R' U2 Fw Uw'



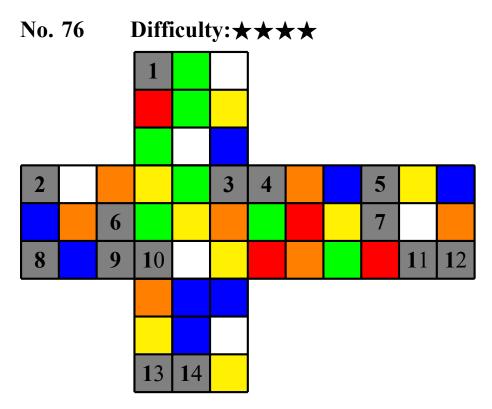
Solution 73: B2 U' F2 D' L2 D' R2 B2 F2 D' L2 B L R2 B2 R' U B' L' D U2 Rw2 Uw2



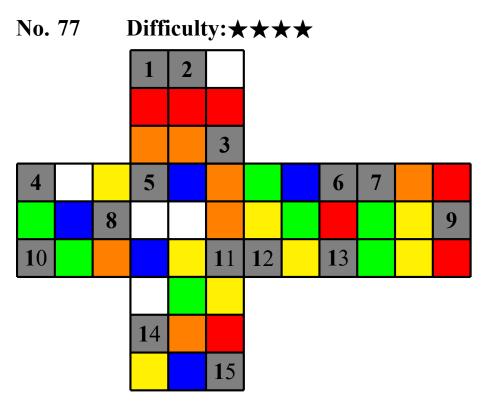
Solution 74: D' B2 U L2 R2 U F2 U' L2 U L2 U' B' L' F L' B2 U R2 B Rw2



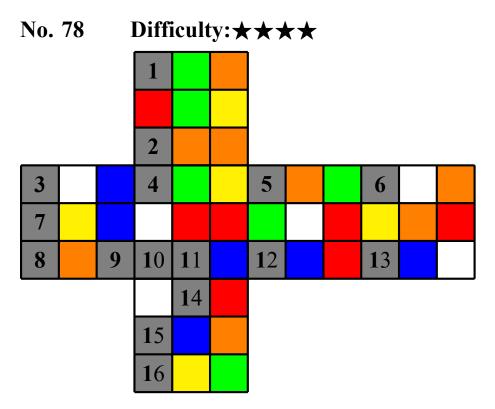
Solution 75: B' L2 D2 L2 R2 F2 D' F2 D F2 L2 R2 D' B L U' L U2 L D Rw2 Uw'



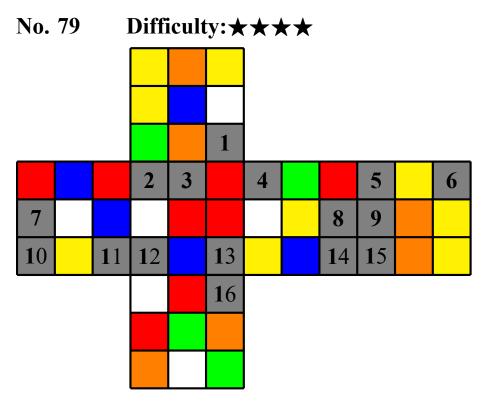
Solution 76: F L2 B2 F' D2 R2 D2 U2 B2 U2 L' D F2 L' B U R' F' L' Fw' Uw'



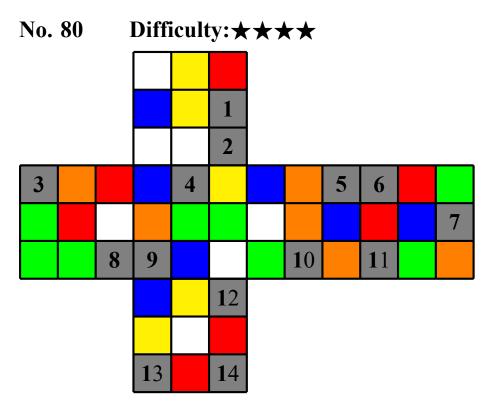
Solution 77: R2 D' R2 D2 R2 U2 R2 F2 U L2 U2 B R B2 F' R' U L' B' Rw



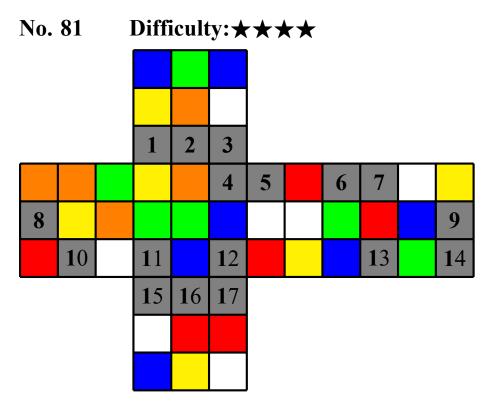
Solution 78: B' U2 F2 R2 F' U2 F' D2 B' D2 B D L' D F2 U R B' D' F' Fw'



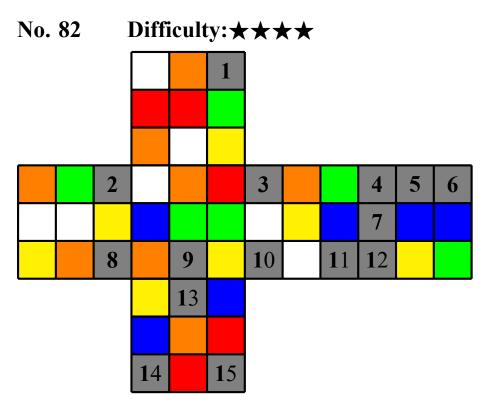
Solution 79: L F2 U2 R2 F2 D2 R' D2 R B2 F2 L2 D' B' U F D' F2 L' D' B' Fw



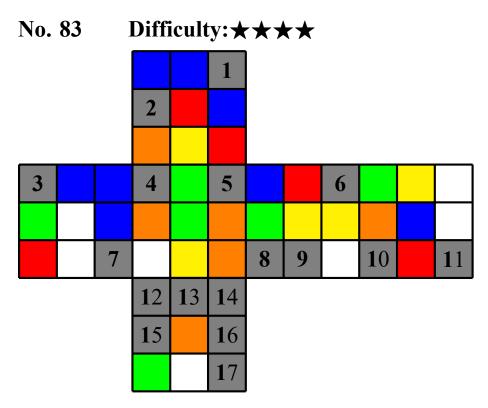
Solution 80: L' B U F2 U2 B' L F2 L2 U2 F' U2 L2 F2 D2 L2 F U2 F' D R Uw



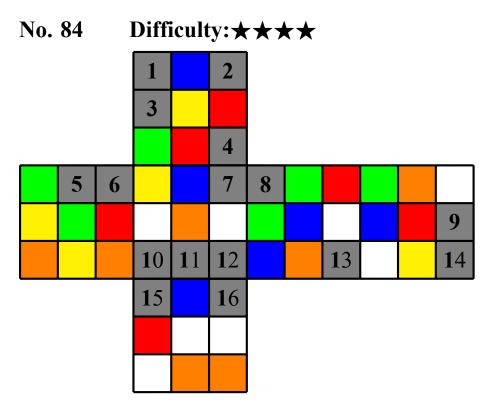
Solution 81: U' B2 L2 R F2 D2 L' D2 U2 F2 U2 R B2 U' L' D' F R B' U2 F2 Rw' Uw



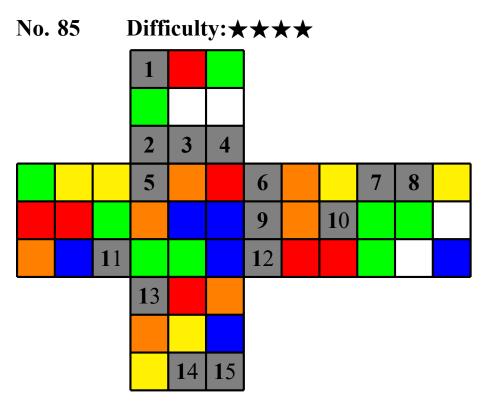
Solution 82: R' F' L2 D R2 D L2 D' F2 R2 U2 L2 R2 D' F R B2 F2 U2 R' D' Rw Uw



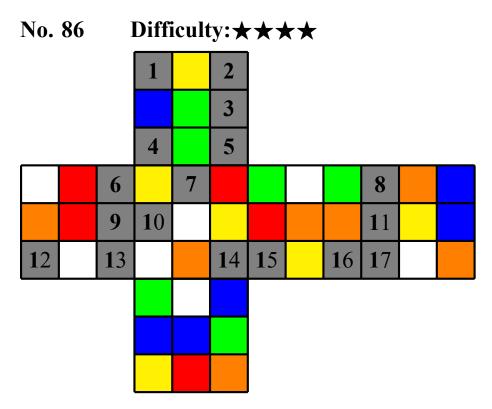
Solution 83: L2 R2 F U2 F' U2 F L2 B L2 D2 F' L' U L2 R' B R2 D2 F' U' Rw Uw



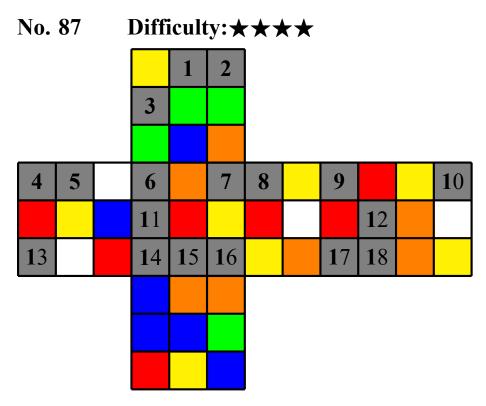
Solution 84: R D2 B U L' D B U' B2 U2 D B2 R2 D2 R2 D2 R2 F2 B2 R D' Uw2



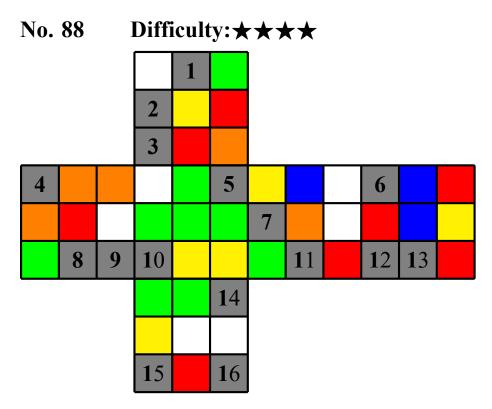
Solution 85: F R2 B2 L2 D2 L2 R2 F' D2 B U2 R2 L B F' L' R F U B U2 Rw2 Uw'



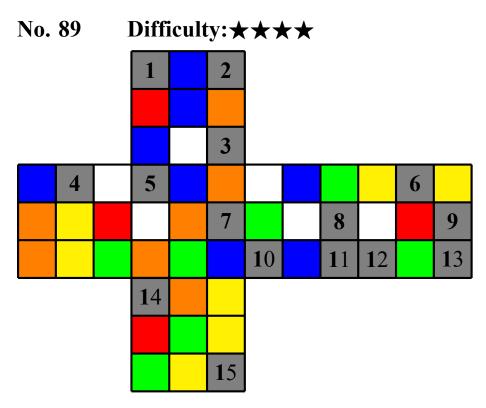
Solution 86: R2 L D' L U2 D' F' R F2 U2 R2 U2 R' U2 F2 U2 L2 D2 L2 B Fw' Uw



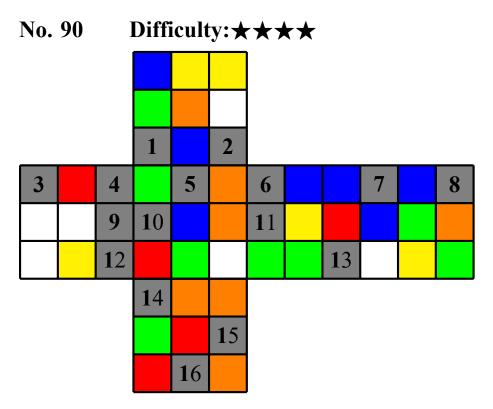
Solution 87: U' L2 R2 U R2 U F2 D' L2 R2 D2 U' R' F L' R' D2 B2 D L' B Fw'



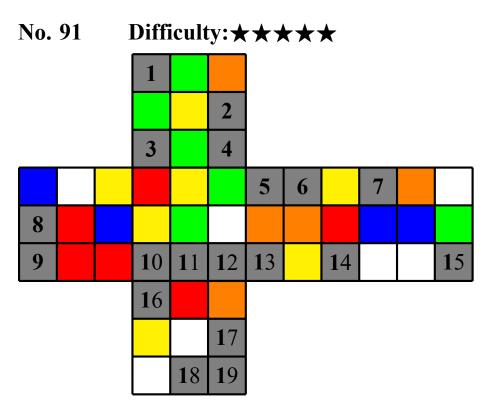
Solution 88: L D' L2 D2 L' F2 U2 B2 L2 B2 R F2 R2 F2 B' L2 D' L D B F' Uw



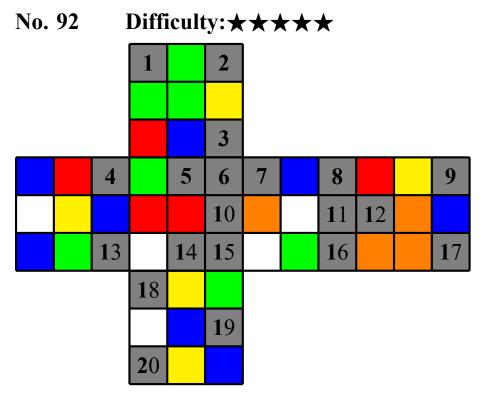
Solution 89: R D R2 U2 B2 F2 U R2 D2 L2 B2 L2 R' D' F' U R2 F2 R D2 F' Fw Uw2



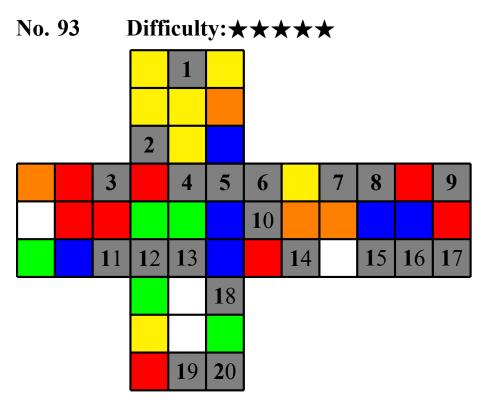
Solution 90: L2 F' R F R' L' U F R2 B' L2 U2 B2 R2 L2 B D2 L2 U2 D L Rw' Uw'



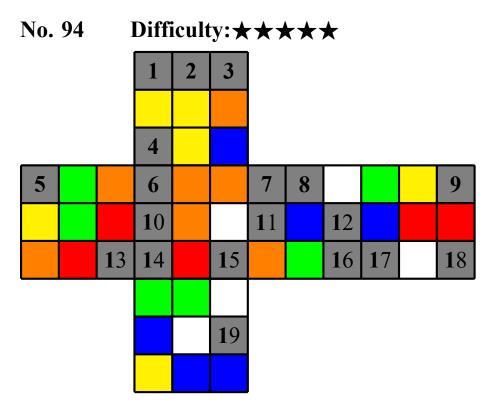
Solution 91: R2 B' U2 B D2 F' D2 B2 L2 R2 D2 F D L R B R' F' D2 U Uw



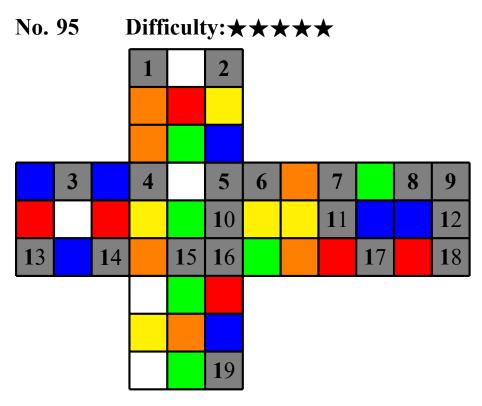
Solution 92: R' U2 B2 D2 U2 R2 D2 B2 L' F2 R2 D B F D' L F D' L B2 D Fw'



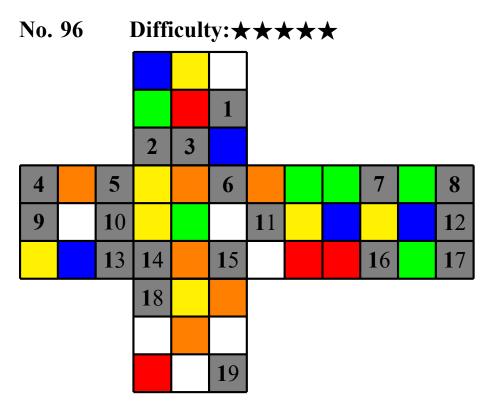
Solution 93: L B2 D' L2 D F2 R2 B2 D2 L2 U B2 D' R' F R2 F2 R D L' U2 Uw



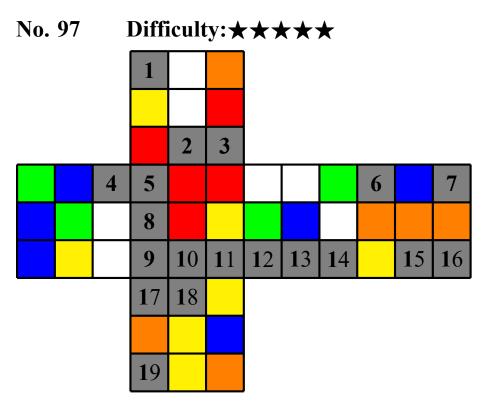
Solution 94: F' B2 R2 D' B2 L2 R2 D2 B2 U F2 D' B2 R D' U B2 L' F D2 R2 Uw2



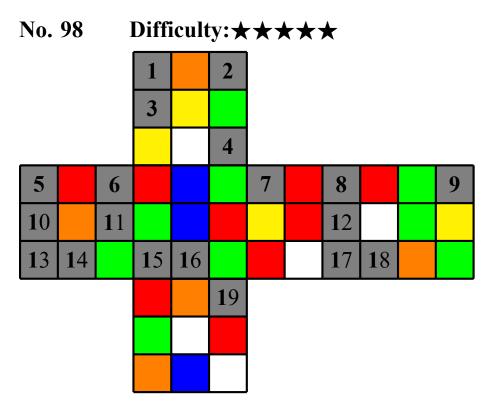
Solution 95: L2 D2 F D2 B L2 F2 U2 L2 D2 F2 R' D' F L' U' F' R' D2 F' Rw Uw



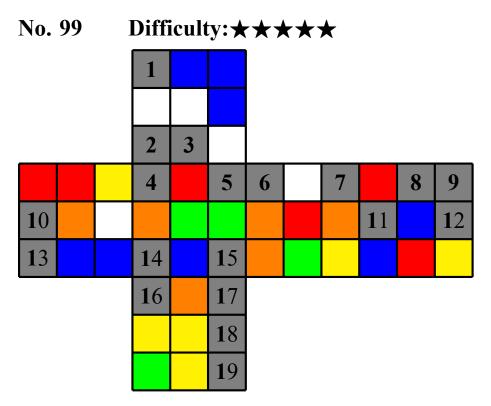
Solution 96: U L' R2 D2 B2 L2 F2 D' R2 U' F2 R2 D' F' L D2 R D' B' L2 B2 Rw Uw



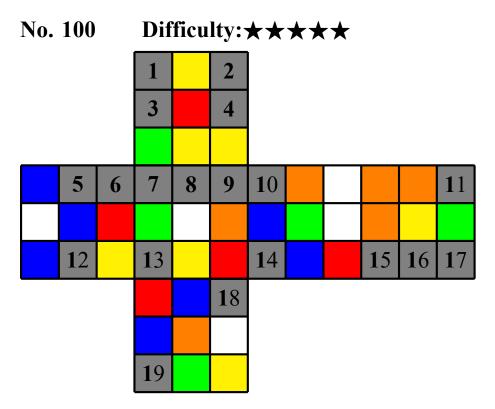
Solution 97: D' R2 D R2 D2 B2 D B2 F2 R2 D' B L2 R' B' R2 B2 F' D2 U' Rw2 Uw2



Solution 98: U' B2 F' R2 D2 R2 U2 R2 F' R2 B2 F' R' F U2 L' B2 U2 R' Uw'



Solution 99: F2 U L F U' R' D F2 R2 F D2 R2 B U2 F R2 U2 F2 D2 R Rw2 Uw



Solution 100: U2 F' D2 F U2 B' R2 B' L2 F D' R U L F2 U2 F' L2 F Rw