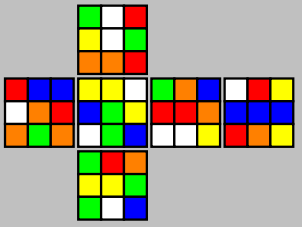
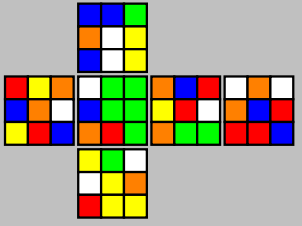
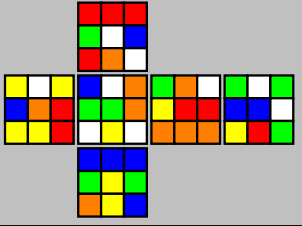
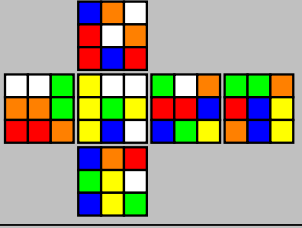
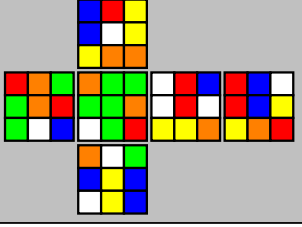
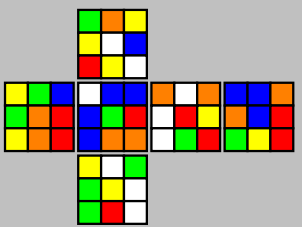
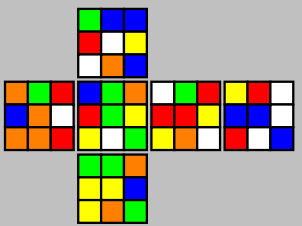
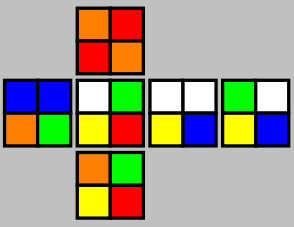
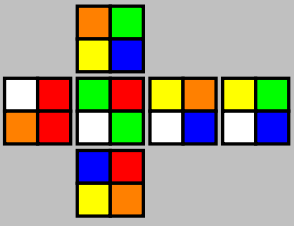
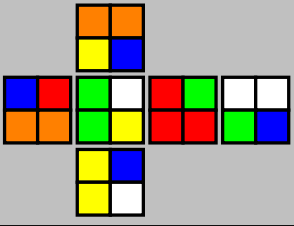
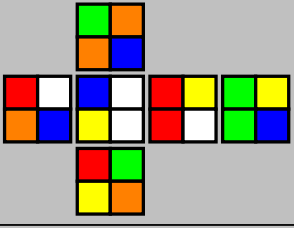
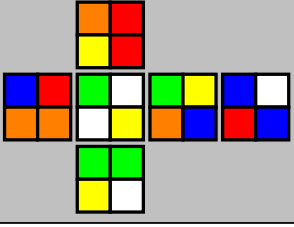
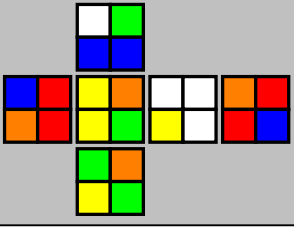
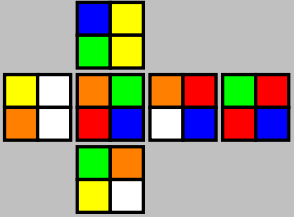
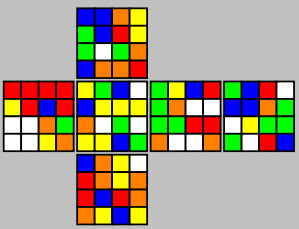
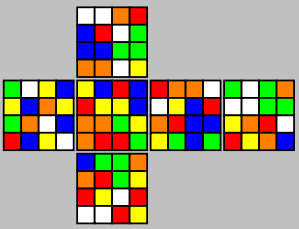
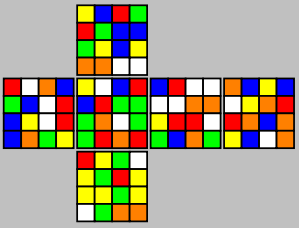
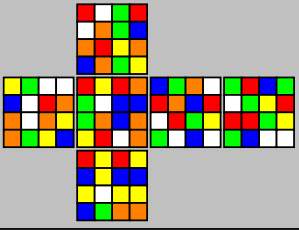
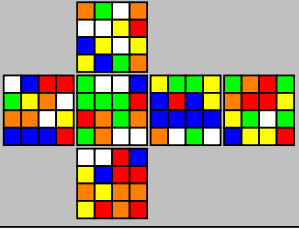
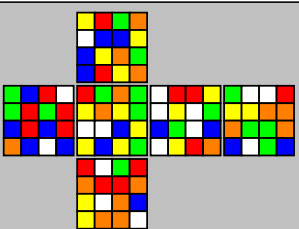
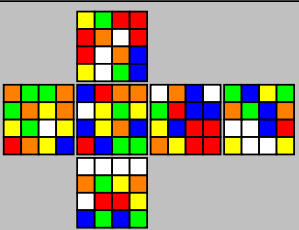


| | | |
|-----------------|--|---|
| 1. | R2 B' D2 L2 U2 F' R2 D R' F2 R' U2 B2 F R' |  |
| 2. | R U2 R B2 U2 B2 L2 B2 R U2 R' F L U L D' L2 B' D' F2 |  |
| 3. | B2 U2 R' D2 R B2 L D2 F R' D' R U2 L2 F' L' F' L2 F2 |  |
| 4. | R B L2 D' R2 B' L' D2 B U F2 L2 D2 F L2 U2 D2 F' D2 F |  |
| 5. | D' L2 D L2 D2 B2 U R2 B2 L2 F2 R' D' B' D' R U2 B L' D2 |  |
| Extra scrambles | | |
| E1. | B2 F2 D2 L2 D' U' F D' B' F' L' F' L2 U' L' D' R2 U' |  |
| E2. | D2 L B2 L' U2 R2 D2 L2 B2 D2 R' D R' B' L U F2 U2 F D2 |  |

| | | |
|-----------------|------------------------------------|---|
| 1. | $R' F' R U R F' R^2 U' F' U' F$ |  |
| 2. | $U' R' F' U^2 R U R' F' R' F U^2$ |  |
| 3. | $U' R' F U^2 R^2 F R U^2 R U' R'$ |  |
| 4. | $U' R' F U^2 F R U R U^2 R^2 F'$ |  |
| 5. | $R' F U R F' R^2 U^2 F R^2 F' R^2$ |  |
| Extra scrambles | | |
| E1. | $F U' R U' R' F U' R' U' F U'$ |  |
| E2. | $R' U' R^2 U^2 F' R^2 F U' F U' F$ |  |

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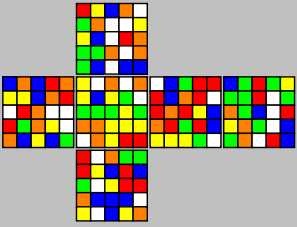
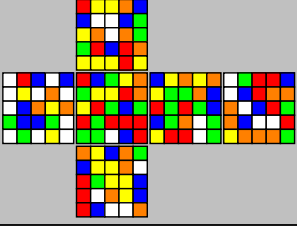
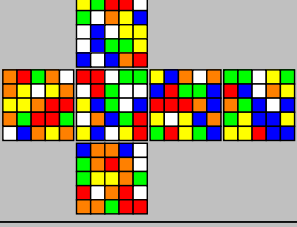
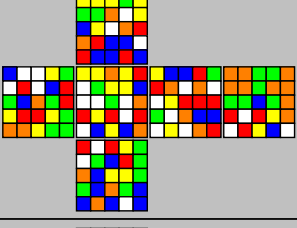
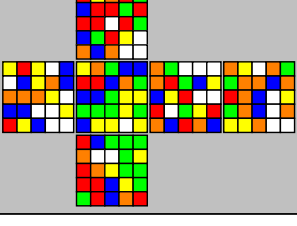
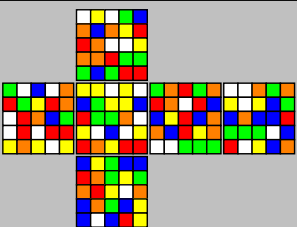
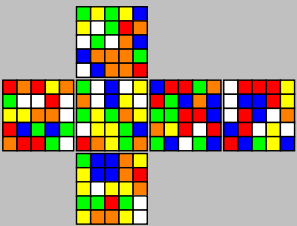
4x4x4 Cube Round 1
NU_CUBING_09-06-2015

| | | |
|-----------------|---|---|
| 1. | F2 R2 U R' B2 D L' F R2 B R2 D2 B2 L2 D L2 D2 F2 U' L2 Rw2 B' D F2 Uw2 U' Fw2 F' D' R2 U2 Rw2 D' Rw' D' U2 Rw2 R' Uw' R' F Rw Fw2 D2 L' |  |
| 2. | F2 L2 U2 F2 U2 F2 L' U2 B2 F2 L B' L B' L2 U' R' U2 B U2 D Fw2 U' D Fw2 B Uw2 F' B' D' F' Uw2 F Rw B F D Fw2 F' Uw' Rw2 Fw' Uw B' D' Rw2 |  |
| 3. | D' R2 U' F2 D' R2 U' R2 U B2 L' B' R' B' U R' B D' R F2 L' Fw2 R U' Rw2 D F2 U R' Fw2 Uw2 L U' Fw U2 F2 Uw2 Fw2 B2 L' Rw' Uw' Fw' F2 Uw F |  |
| 4. | B R B L' B' L2 F' D2 U' L' F2 U F2 U L2 D2 L2 R2 D' U Rw2 U' Fw2 B2 L Fw2 R2 D2 U L Fw2 D' L' F' R Fw L Uw2 D Rw' L F2 Rw2 Uw Rw U2 |  |
| 5. | F U D B2 R' U' D F2 L B' D2 F U2 R2 B' R2 B' L2 U2 F' Rw2 B' R2 Uw2 D' Fw2 U2 L2 D F' Rw2 Fw2 L' B' U Rw R B' Uw' Rw U2 R2 Fw2 F Uw' R2 |  |
| Extra scrambles | | |
| E1. | R2 D L2 U2 R2 F2 D2 F2 B2 L' B D2 F2 D' R L' B D R U2 Uw2 Fw2 L Uw2 L D' Rw2 Fw2 L Uw2 R2 B2 Fw' D' R2 D F2 R2 Rw U' Fw Rw2 Uw' U' Rw' |  |
| E2. | U2 B2 U F2 D' U' F2 L2 U B2 R B R' B R F' D L F' B2 Fw2 U B Rw2 D Fw2 F' D Fw2 R2 Uw2 B' R Fw2 Rw' Fw2 Rw Fw L' D2 F2 Uw L2 Fw B2 |  |

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5x5x5 Cube Round 1

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| | | |
|-----------------|--|---|
| 1. | R2 Dw2 Rw D' Fw2 F' Lw2 F Fw2 R2 F B U' R2 F' L' Dw2 Lw' Uw2 D2 Fw Uw R Bw' Dw2 Rw2 B' Dw2 Uw D F2 B' Bw' Uw2 D' U2 Fw2 Bw' Rw' Dw U' Bw' Lw2 Bw' U' Bw Dw U2 Uw Lw2 Uw L Rw2 Fw2 R' L Lw' Rw' D Uw |  |
| 2. | Bw Lw' U2 R2 B' F' Uw2 R U B2 Fw' Rw2 R' U' Bw L' U' B' R Bw' Fw F2 Lw Dw2 B L2 B U2 L2 Uw' Fw U2 Dw' R Dw2 Fw2 Bw2 F' D' Fw Dw' F2 D L2 Lw B D' L Dw' U Fw2 Lw Dw' D' F2 L Uw' U' Bw2 Lw2 |  |
| 3. | Dw L Dw2 R2 L' Rw U' L2 B F2 Uw R' Uw2 Dw2 F2 U2 Fw D Uw2 Rw2 Uw' U2 R' L2 Fw U Lw2 D2 F' B' Uw U Bw2 Rw' Bw U D F' L2 Fw F2 L2 F2 Rw2 L' Dw2 D Lw' Dw' Bw D L B' Fw' Dw B2 Uw' D' Bw U' |  |
| 4. | R' B Fw' U2 Dw' Lw2 Dw F Uw' Lw' B2 F U Fw L' D2 Dw2 L' D Uw' Rw' Lw' U R2 Fw2 Dw' Uw F' Uw' Rw2 Bw D' L2 Dw' Uw B L' Rw2 Lw' Uw' R' L' Bw' Uw' Dw' Fw2 B' L2 Fw' U2 B' Rw' D Fw2 L R' Fw2 Lw Bw' Uw |  |
| 5. | F B2 Uw2 U2 L' Dw2 F' L' Dw' Lw Bw F2 R2 Uw' Rw' L2 Lw Fw Rw Dw' D' Rw' B Lw2 R L Rw Dw' Bw2 B' Rw2 Uw' B2 D F' Uw' R' D' F' Uw B2 Dw Fw2 F' Bw U2 F2 Rw' F Rw Bw' F' R' Fw' B Dw2 F D' F Bw |  |
| Extra scrambles | | |
| E1. | R2 Rw' Dw Fw' F2 D' Uw' L' Uw' F2 Fw' Lw' U2 Fw2 Uw2 Rw2 B D' R' D' R' D2 B' Dw R' Uw Bw Rw' L U' Rw' Uw B2 U2 F' R' Lw' B' F' Lw Fw' Bw' D2 Dw' Uw' L2 U Uw' Dw' D B Bw' D' B' U' Dw2 F L2 R2 B' |  |
| E2. | U2 B2 D' Rw R D2 F Bw2 R2 Bw2 U Uw' Rw B2 D Dw2 L Rw2 Dw' Bw R2 Bw2 Uw2 Lw2 Uw' Bw' F' Dw R Fw2 R Uw F2 Uw' F' D B2 Fw' L Bw U Lw Dw' L2 Fw D2 Uw' F' D2 L' Dw' Lw' Uw' D' Dw B2 Lw B2 Bw Rw' |  |

2015/08/07

6x6x6 Cube Round 1

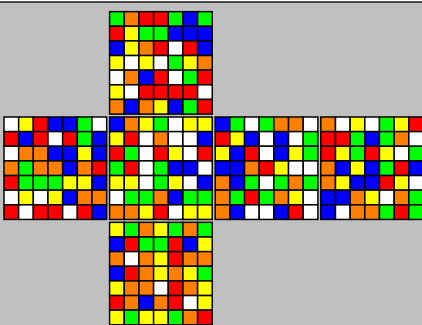
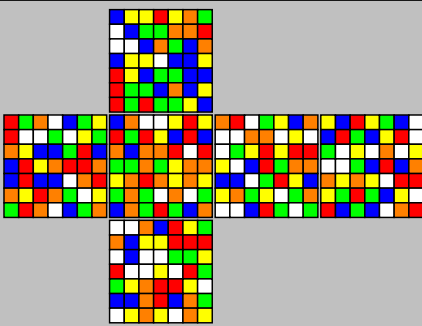
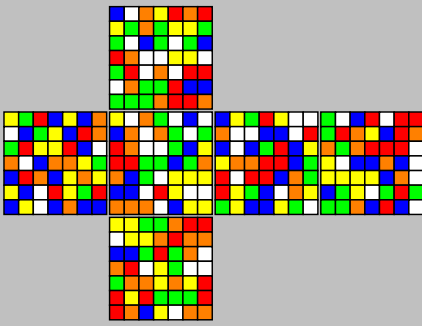
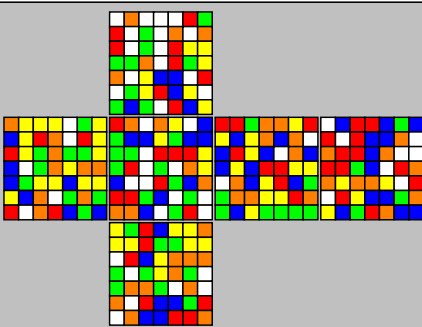
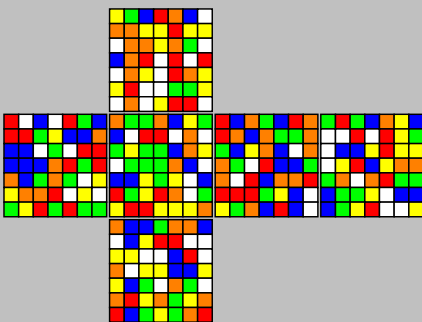
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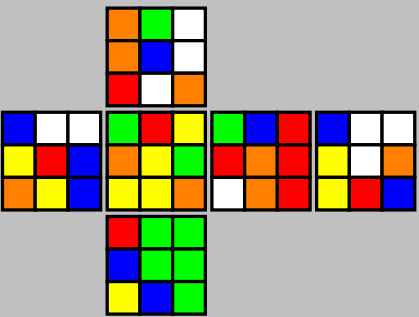
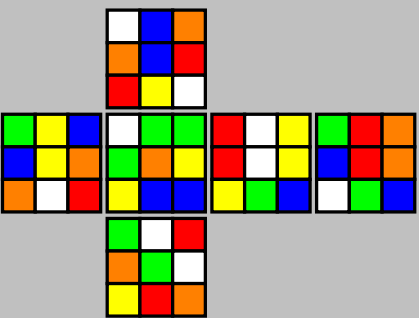
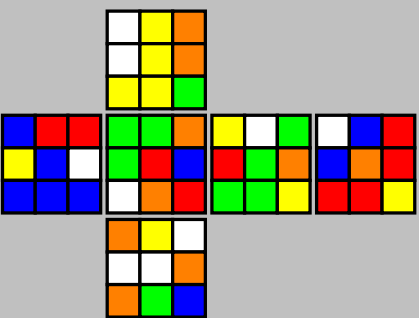
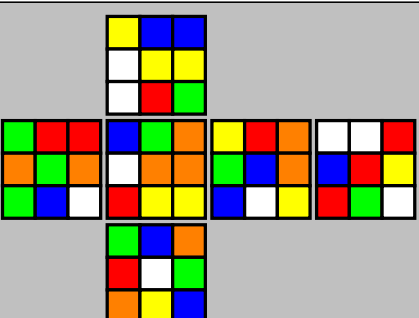
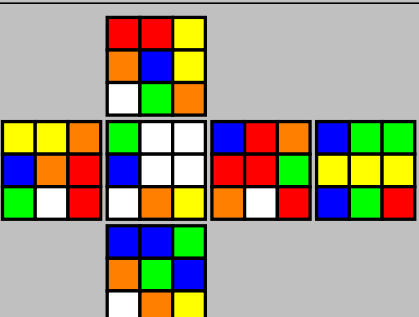
| | | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|
| 1. | R2 | 3Uw | Dw2 | B' | R' | B | 3Fw' | R2 | Dw' |
| | Rw' | B | Fw | U | 3Uw' | Rw2 | F' | U2 | Uw2 |
| | 3Uw2 | B' | L2 | Rw' | 3Rw2 | U2 | B | 3Rw' | 3Fw2 |
| | L | Dw | F' | D' | Rw2 | U2 | L2 | 3Rw | D2 |
| | Lw2 | B2 | R | F' | 3Uw | Bw' | 3Fw' | 3Uw' | 3Fw' |
| | Bw2 | 3Rw2 | Fw2 | Dw2 | Bw2 | Dw | U2 | D2 | Rw2 |
| | F' | 3Uw2 | Fw | Bw2 | Rw | L | 3Fw' | Lw' | L' |
| | D | 3Rw | Dw2 | F2 | Dw2 | Bw2 | 3Uw' | Dw | D |
| | L | D | 3Uw | 3Fw' | Lw | 3Fw' | R' | Lw2 | |
| 2. | 3Rw' | 3Fw2 | L' | 3Uw2 | Fw2 | F' | 3Rw2 | B' | Fw' |
| | F2 | 3Fw2 | Uw | R' | Dw | B' | L' | R | 3Rw' |
| | Fw | D2 | Dw2 | Rw2 | Dw | L | Fw2 | 3Fw | F2 |
| | R | Rw' | L2 | D2 | Lw2 | D2 | Dw | Rw' | 3Uw2 |
| | Bw | Rw2 | D2 | Uw' | Dw | L | 3Uw | L | Dw' |
| | Bw' | Uw | R2 | F2 | Lw | F2 | Uw' | Dw' | D' |
| | 3Fw | B2 | 3Rw | D' | L' | Dw' | 3Rw2 | U | Dw2 |
| | Lw | Rw | B2 | U | Lw2 | L | Fw | Uw | D2 |
| | Rw | 3Rw2 | Fw' | Bw2 | B' | 3Fw' | L' | 3Rw2 | |
| 3. | Rw | F' | R2 | F2 | R2 | 3Rw2 | L2 | 3Fw2 | B' |
| | Dw2 | 3Fw' | 3Uw' | Bw | Fw2 | B | Uw2 | F' | Dw2 |
| | Uw | Bw | Lw | Uw | F' | Lw2 | D2 | 3Uw2 | U2 |
| | Uw2 | F' | Dw' | 3Rw2 | R' | B | 3Rw' | Dw2 | Fw2 |
| | F' | 3Rw | 3Fw | Uw' | Dw' | Bw2 | Dw' | 3Rw2 | Rw' |
| | F2 | Bw | D' | 3Uw2 | 3Fw' | D' | 3Uw2 | U2 | Uw' |
| | F' | Dw2 | U2 | 3Fw2 | Uw' | L2 | 3Rw' | D' | Rw2 |
| | B | Dw | Bw' | U' | Uw | 3Rw | B' | Fw' | Lw2 |
| | Uw2 | 3Uw | B' | Rw2 | 3Fw | L' | Dw' | 3Rw | |
| Extra scrambles | | | | | | | | | |
| E1. | Lw' | R | Fw2 | L2 | R' | U | Uw' | F2 | Fw |
| | L | 3Fw' | U | R' | 3Rw | 3Uw2 | F' | Lw | Fw' |
| | F2 | U2 | 3Uw' | 3Fw | D2 | L' | F' | Fw2 | 3Fw2 |
| | R | D' | Uw2 | R | Bw | L | R2 | Dw2 | F' |
| | Bw | B' | Dw | Fw' | R | Dw | 3Fw | Fw2 | B' |
| | Uw | Bw2 | Lw' | R2 | L | F2 | U | 3Fw2 | L' |
| | 3Fw' | B2 | L' | B2 | D | Rw2 | Lw | Bw' | L2 |
| | R2 | 3Uw | U | 3Rw' | D2 | F' | L' | R | F' |
| | Dw2 | 3Uw' | D' | B2 | Lw | Rw | 3Uw2 | Uw | |
| E2. | L2 | Rw | R2 | U | 3Uw' | 3Rw2 | 3Fw | 3Rw' | F' |
| | 3Fw | Dw' | 3Rw' | L | Dw' | R' | F' | Uw2 | Rw |
| | 3Fw' | U2 | 3Uw' | Lw2 | 3Uw2 | F' | Fw' | Lw | D |
| | 3Rw2 | Uw | Lw2 | 3Rw2 | 3Uw | 3Fw' | B | Rw' | F2 |
| | Fw' | Uw' | U' | Bw2 | Lw | D | Lw | Uw | Rw2 |
| | R' | L' | 3Rw' | Fw | Bw2 | L | 3Rw' | Lw' | Uw2 |
| | Fw' | L' | Lw' | B' | 3Rw | Dw2 | Rw' | B | Lw |
| | F' | D | 3Uw' | L | F' | Dw' | 3Uw' | R | Lw |
| | B | Rw' | Bw | U | R' | Dw' | Lw2 | Bw2 | |

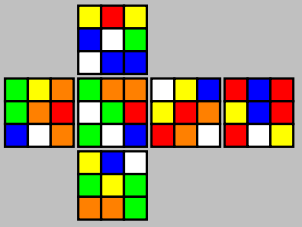
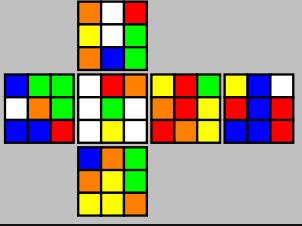
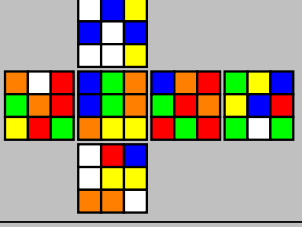
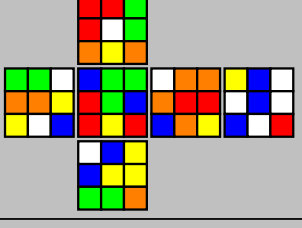
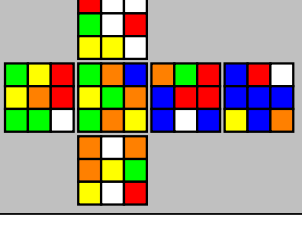
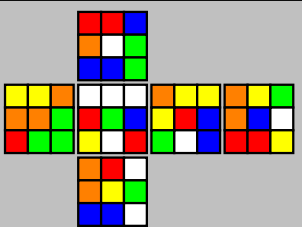
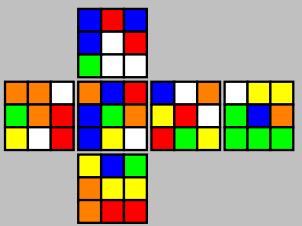
2015/08/07

7x7x7 Cube Round 1

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| | | |
|-----------------|---|---|
| 1. | 3Uw Lw2 Uw2 Bw D Uw' 3Lw2 F 3Uw Lw Dw2 3Rw' 3Lw F' L' Dw2 3Bw Lw2 U2 Fw F 3Fw' U2 3Rw U' 3Fw' B 3Rw Fw' D' Uw' R' Bw' D2 Fw' Lw2 F' L2 3Dw2 D2 U Uw 3Lw' Dw 3Uw' 3Lw2 Bw Uw' 3Bw 3Fw2 Lw2 3Lw 3Uw' 3Rw U L Rw U B D 3Rw' Lw2 Uw' U' R Lw 3Fw2 3Bw Fw' Uw' 3Bw Lw 3Dw2 Fw Bw' 3Bw' 3Rw' L2 3Lw Fw2 U' Uw2 Dw2 Lw2 3Fw D2 Dw 3Rw' Fw B2 3Dw Lw2 Uw2 Rw' Uw' Rw2 3Dw' 3Fw2 3Rw' 3Uw' |  |
| 2. | Fw 3Dw' L2 Fw' 3Dw' B2 U2 Rw2 L 3Fw 3Uw' 3Bw' Lw' F' 3Fw2 Dw2 F' 3Rw' Bw 3Uw 3Rw2 3Uw2 3Dw U Rw' R Lw 3Fw' B2 Dw2 3Fw U2 3Fw' Dw2 R' F2 3Bw2 L' F' Uw 3Lw2 Fw2 3Dw' L' Uw' L' 3Bw' 3Dw' Uw2 U2 3Bw2 Uw' 3Uw Rw2 Uw' 3Fw Rw Fw B' Dw2 Uw' F 3Lw' U' Lw2 3Bw2 L' 3Uw' L' Uw' 3Lw' Rw2 3Fw 3Rw' 3Lw' U Lw U2 3Uw' F' R Uw2 R' B' 3Fw 3Uw' 3Rw' Lw' Uw' L2 3Lw' Fw' R2 Uw' Bw' R L2 U' Dw2 Uw2 |  |
| 3. | 3Dw 3Bw' Rw2 Fw F' 3Fw2 3Dw2 B2 3Uw' Lw Bw Rw' 3Rw' Dw' Fw' 3Fw 3Bw' B' R' Bw2 Rw' B' 3Lw2 Fw Lw' 3Bw' 3Rw' 3Bw' 3Fw' Dw2 D2 Rw2 D Rw Uw2 Lw2 Uw B2 3Uw' 3Fw L 3Bw Dw2 3Dw2 Lw F2 U2 Bw' Rw U 3Dw2 B' U 3Lw' D 3Lw L' R2 Uw' D F Fw2 3Fw2 Dw' 3Fw2 L2 3Uw' Uw D' B2 3Uw2 U L2 3Rw2 Bw2 3Bw 3Lw' 3Dw' Bw' Fw2 3Dw 3Rw2 3Lw U2 3Rw' 3Uw U2 B2 Rw Bw' L2 3Lw R Uw D2 B' 3Lw' 3Fw' 3Lw2 F2 |  |
| Extra scrambles | | |
| E1. | D2 Uw' 3Bw2 B2 Uw' 3Rw' 3Uw B2 3Lw F' R' F2 3Dw Fw' R F' R 3Lw Fw B2 Lw2 Dw2 3Dw' 3Lw' Dw' 3Fw' 3Bw' U' 3Rw Uw R D' R' 3Bw R2 Bw' L Dw' 3Lw Bw' Dw2 R 3Dw 3Fw L' B' F2 Rw2 D U' Rw2 U2 L Uw2 F2 B 3Uw 3Fw' B' 3Dw Lw2 U2 L 3Lw R2 Bw U Lw D2 3Lw' B F' Lw2 Uw Lw2 3Bw2 D' Bw 3Bw' Rw2 3Rw2 D' Rw2 L2 Uw 3Dw2 3Uw L' 3Dw2 3Fw' 3Uw' Rw' U 3Rw2 3Fw2 L2 F' B Uw F2 |  |
| E2. | Uw2 Bw2 3Fw2 Lw2 L2 3Bw2 Rw2 Dw 3Dw' B' 3Uw' 3Dw2 L2 D2 Uw2 Lw' 3Uw2 B 3Dw2 U' 3Uw2 Uw Fw' Dw D Lw' Dw2 R' 3Rw2 3Uw2 U D R B' 3Rw Lw Rw2 L2 3Uw' D2 F2 3Lw2 3Fw2 F2 Lw 3Bw' Rw Lw 3Bw 3Dw D2 3Lw2 3Uw' 3Bw Uw2 L2 3Uw2 R' B Rw D2 B' 3Rw 3Fw Bw 3Uw' B' F' 3Bw' D' 3Dw' 3Bw2 Uw Fw F' Bw2 3Bw' U Uw2 Fw' U2 R2 Uw2 U 3Bw 3Rw' 3Dw Rw U' L Rw U2 3Fw 3Uw2 U' 3Lw' Fw2 Lw Rw 3Dw2 |  |

| | | |
|-----------------|--|---|
| 1. | L2 D2 R2 D' L2 U L2 F D' U B' F2 R B' U' F2 U R2 D Rw' Uw2 |  |
| 2. | B2 F2 L2 D U2 L2 B2 U' B2 U2 R D' B L U L' U2 L B D Rw' Uw' |  |
| 3. | U' L2 D U F2 D R2 U B R' U' B' F2 R' B' L' R D' R U Rw2 Uw |  |
| Extra scrambles | | |
| E1. | U B2 D L2 D2 B2 U' F' L F2 L R2 B' L F2 D' R B U Rw2 Uw' |  |
| E2. | F L2 R2 B F2 R2 U2 R2 D2 F' U' R' B' L' U2 R F D U B Rw' |  |

| | | |
|-----------------|---|---|
| 1. | B2 R' U2 L B2 U2 L' U2 R B2 R' F' D2 B D' L' R B' F' |  |
| 2. | R2 B2 L2 B2 U L2 B2 D2 F2 L' F U' L2 R U B2 D' F2 U' |  |
| 3. | R2 D' U L2 F2 L2 D B2 U2 L U' B R U L2 U' B D F L2 |  |
| 4. | L' B' L B' R2 B U D2 B2 L' F' B R2 U2 L2 D2 F L2 B |  |
| 5. | F2 D' L' D' F' L U' F' D2 F' D2 R2 L2 D R2 F2 D' F2 D2 |  |
| Extra scrambles | | |
| E1. | D R F' U2 D R2 U2 L U F2 R B R2 F U2 B2 D2 |  |
| E2. | L R' F2 D2 F2 L' U2 B2 D B' L' U F' U' B' L' B L2 |  |

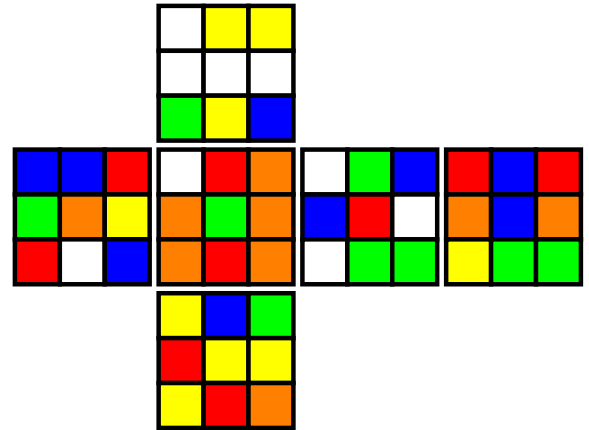
NU_CUBING_09-06-2015
3x3x3: Fewest Moves Round 1
Scramble 1 of 3

Competitor: _____

WCA ID: _ _ _ _ _

DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: _____ Result: _____



Scramble: D2 B2 F' U2 L2 B2 F' L2 U F' D B' U' R' U2 F2 D' L2 R2

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

Fewest Moves

- Notate your solution by writing one move per bar.
 - To delete moves, clearly erase/blacken them.
 - Face moves F, B, R, L, U, and D are clockwise.
 - Rotations x, y, and z follow R, U, and F.
 - ' inverts a move; 2 doubles a move. (e.g.: U', U2)
 - w makes a face move into two layers. (e.g.: Uw)
 - A [lowercase] move is a cube rotation. (e.g.: [u])
-
- You have 1 hour to find a solution.
 - Your solution length will be counted in OBTM.
 - Your solution must be at most 80 moves, including rotations.
 - Your solution must not be directly derived from any part of the scrambling algorithm.

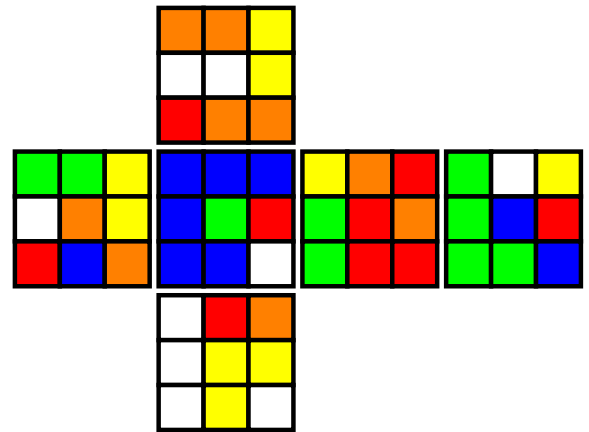
NU_CUBING_09-06-2015
3x3x3: Fewest Moves Round 1
Scramble 2 of 3

Competitor: _____

WCA ID: _ _ _ _ _

DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: _____ Result: _____



Scramble: R2 B2 D' L2 U' F2 U L2 D F2 L D L' R2 F' L F L U2 F'

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

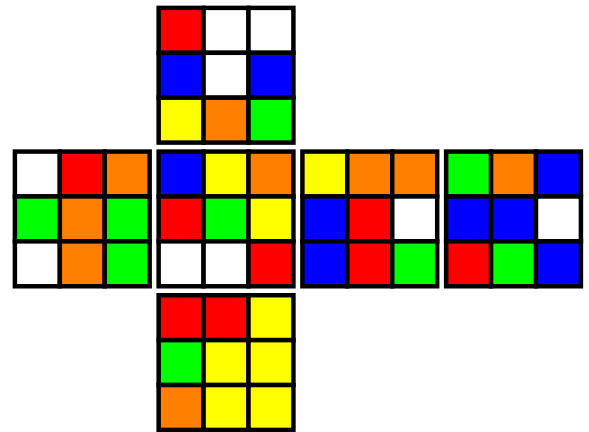
NU_CUBING_09-06-2015
3x3x3: Fewest Moves Round 1
Scramble 3 of 3

Competitor: _____

WCA ID: _ _ _ _ _

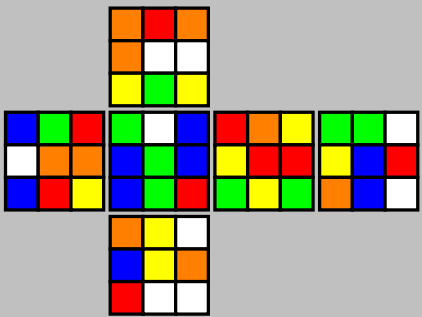
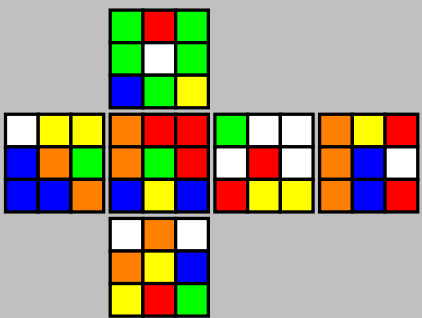
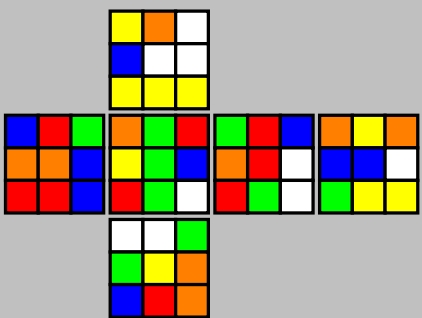
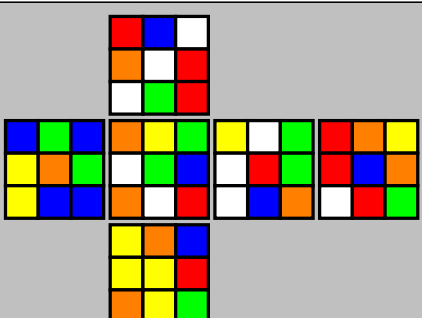
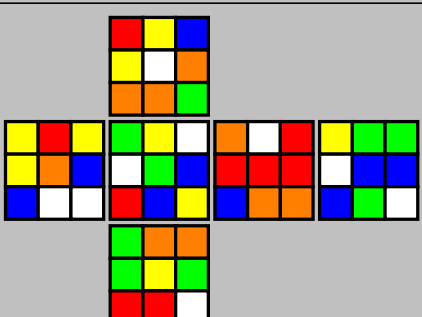
DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: _____ Result: _____



Scramble: R' U L' B2 U B D B D F D2 R' F2 R' F2 R2 D2 R2

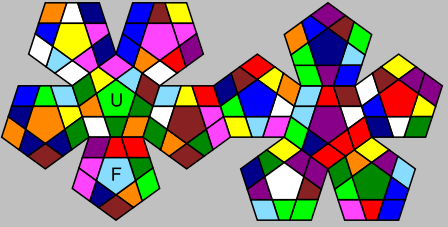
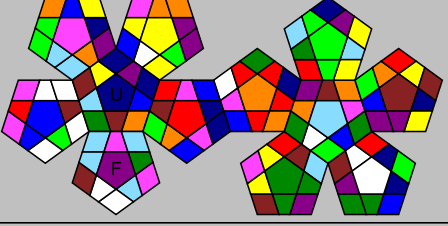
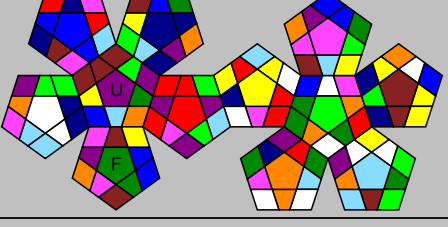
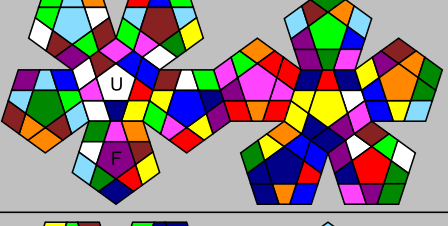
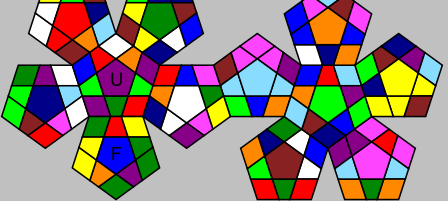
This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

| | | |
|-----------------|---|---|
| 1. | U2 B2 D2 L2 D L2 R2 D2 B2 L F L F R B D' R2 D' U2 |  |
| 2. | U2 F2 L2 B2 U2 R' F2 D2 L2 U2 L' F U B U2 L' D' R U2 F' |  |
| 3. | L B2 U2 L B2 L F2 R2 U' F2 R' D2 L' U R B' L U R |  |
| Extra scrambles | | |
| E1. | F' D F2 R2 L D B D2 F' R2 U D2 R2 U2 B2 R U2 L2 F2 R |  |
| E2. | B2 R' F2 L B2 L' B2 L D2 L B L' R' U2 F2 U F' L' U' L2 |  |

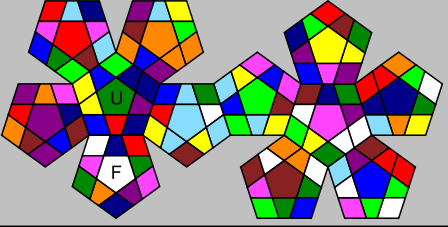
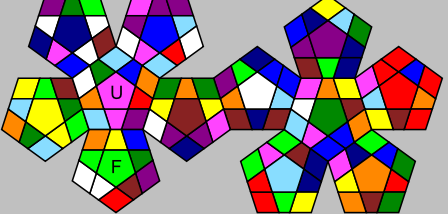
2015/08/07

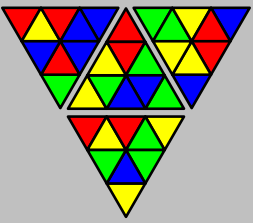
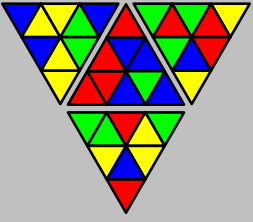
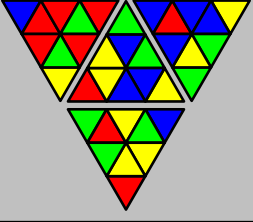
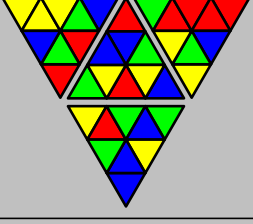
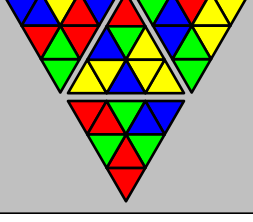
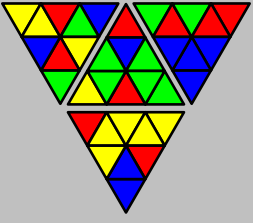
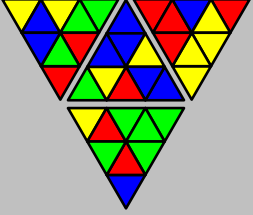
Megaminx Round 1

NU_CUBING_09-06-2015

| | | |
|----|--|---|
| 1. | R++ D-- R++ D-- R++ D-- R-- D-- R-- D-- U' R++ D++ R++ D++ R-- D++ R-- D++ R-- D++ U R++ D-- R-- D-- R++ D++ R++ D-- R-- D++ U R++ D++ R++ D++ R-- D++ R-- D++ R-- D-- U' R++ D++ R++ D++ R++ D++ R++ D-- R++ D++ U R++ D++ R++ D-- R-- D-- R-- D-- R-- D-- U' R-- D-- R-- D-- R++ D-- R++ D++ R++ D++ U |  |
| 2. | R-- D-- R++ D-- R++ D++ R-- D++ R++ D++ U R-- D++ R++ D-- R++ D++ R++ D-- R++ D++ U R++ D-- R++ D++ R++ D-- R-- D++ R++ D-- U' R-- D-- R++ D++ R-- D-- R++ D++ R-- D-- U' R++ D-- R-- D++ R-- D++ R-- D-- R++ D++ U R++ D++ R++ D-- R++ D-- R++ D-- R-- D-- U' R-- D-- R-- D-- R-- D++ R-- D-- R++ D-- U' |  |
| 3. | R++ D-- R++ D-- R-- D++ R++ D++ R-- D++ U R++ D++ R++ D++ R-- D++ R-- D-- R-- D-- U' R-- D-- R-- D-- R++ D-- R++ D-- R-- D-- U' R++ D-- R++ D++ R++ D++ R-- D++ R-- D++ U R++ D++ R++ D++ R++ D++ R++ D-- R++ D-- U' R-- D++ R-- D-- R-- D-- R-- D++ R++ D-- U' R++ D-- R++ D-- R++ D++ R-- D++ R++ D-- U' |  |
| 4. | R++ D-- R-- D-- R-- D-- R++ D-- R++ D-- U' R++ D-- R-- D-- R++ D-- R++ D-- R++ D-- U' R-- D++ R-- D-- R++ D-- R-- D++ R++ D-- U' R-- D-- R++ D-- R-- D++ R-- D-- R-- D++ U R-- D-- R-- D-- R-- D++ R-- D-- R++ D++ U R-- D-- R++ D-- R-- D++ R-- D-- R-- D++ U R++ D-- R++ D-- R-- D-- R-- D-- R-- D-- U' |  |
| 5. | R++ D-- R-- D-- R++ D++ R++ D-- R++ D-- U' R++ D++ R++ D++ R-- D-- R-- D++ R++ D++ U R++ D++ R++ D++ R-- D++ R++ D-- R++ D-- U' R++ D-- R++ D++ R-- D++ R++ D-- R-- D++ U R++ D++ R-- D-- R-- D-- R++ D++ R++ D-- U' R++ D++ R++ D++ R-- D++ R++ D++ R++ D++ U R++ D-- R++ D-- R-- D++ R-- D++ R-- D++ U |  |




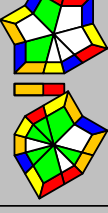

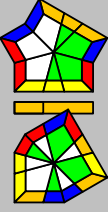

Extra scrambles

| | | |
|-----|--|---|
| E1. | R-- D++ R++ D++ R++ D++ R-- D-- R-- D++ U R-- D-- R-- D++ R++ D++ R-- D-- R++ D-- U' R-- D++ R-- D++ R++ D++ R++ D-- R-- D-- U' R-- D++ R-- D-- R++ D++ R++ D++ R-- D++ U R-- D-- R-- D++ R-- D++ R-- D-- R-- D-- U' R++ D++ R-- D-- R++ D-- R++ D-- R-- D-- U' R-- D-- R-- D-- R++ D++ R++ D++ R-- D++ U |  |
| E2. | R-- D-- R-- D-- R-- D++ R-- D-- R++ D++ U R-- D-- R-- D-- R++ D++ R++ D-- R-- D-- U' R++ D-- R++ D++ R-- D++ R++ D-- R++ D++ U R++ D-- R++ D-- R++ D-- R++ D-- R++ D-- U' R++ D++ R-- D++ R++ D++ R++ D-- R++ D-- U' R-- D-- R++ D-- R-- D++ R-- D++ R++ D-- U' R++ D-- R++ D++ R++ D++ R-- D-- R++ D-- U' |  |

| | | |
|-----------------|--|---|
| 1. | B' U' R' U' B U L' B' R L R' l' r b |  |
| 2. | R U' L' R' L' U' L' R B' R' L u r' b' |  |
| 3. | B U R' U B' R L' R' B' U' B u' l' r' b |  |
| 4. | B R' L U' L U B R' L' U L u l r |  |
| 5. | B R B L' U' L' R' L U B' R u' |  |
| Extra scrambles | | |
| E1. | U L' R' L U' R' L' U B' R' L u l' |  |
| E2. | L U' R L' U' B R' B' R' B L' l b |  |

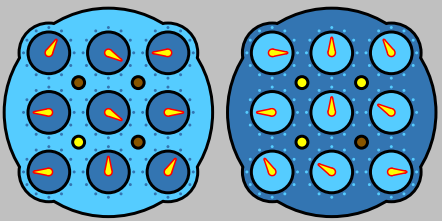
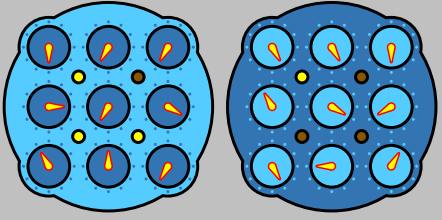
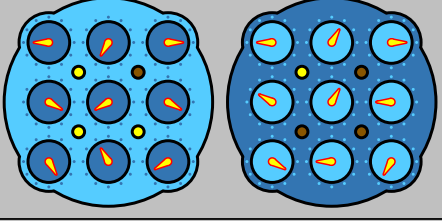
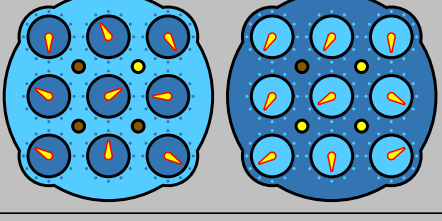
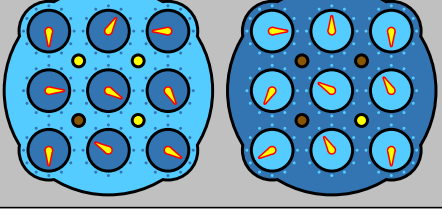
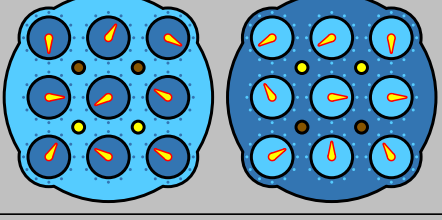
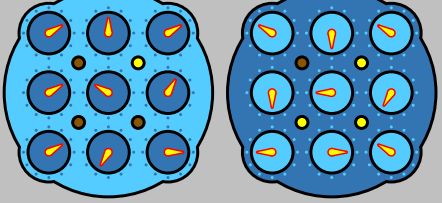
2015/08/07

Square-1 Round 1
NU_CUBING_09-06-2015

| | | |
|-----------------|---|---|
| 1. | $(0, -1) / (0, 3) / (1, 1) / (6, 0) /$ $(-4, -4) / (-5, -5) / (-1, 0) / (0, -3) /$ $(4, -1) / (4, 0) / (-3, -2) / (2, 0) /$ $(3, 0)$ |  |
| 2. | $(0, -1) / (-5, 4) / (-3, 3) / (-1, -1) /$ $(-5, -2) / (5, 0) / (6, -3) / (-4, 0) /$ $(0, -5) / (-4, -3) / (3, 0) / (0, -5)$ |  |
| 3. | $(4, -3) / (3, 0) / (-4, -4) / (3, 0) /$ $(4, -2) / (-4, 0) / (0, -3) / (4, -1) /$ $(-2, 0) / (-4, 0) / (-3, -4) / (-2, 0)$ |  |
| 4. | $(0, 2) / (0, 3) / (-3, 3) / (1, -5) /$ $(-3, -3) / (6, -4) / (-3, -3) / (-5, 0) /$ $(0, -2) / (2, 0) / (-2, 0) / (-2, -2)$ |  |
| 5. | $(-5, 3) / (-1, -4) / (0, -3) / (1, -5) /$ $(0, -3) / (-1, -3) / (-3, 0) / (0, -3) /$ $(-2, 0) / (4, -1) / (1, -2) / (-2, 0) /$ |  |
| Extra scrambles | | |
| E1. | $(4, 0) / (-3, 6) / (0, -3) / (6, 0) /$ $(-4, -1) / (-2, -5) / (5, 0) / (-3, 0) /$ $(3, 0) / (-5, 0) / (6, -4) / (0, -2) /$ $(6, 0)$ |  |
| E2. | $(-2, 0) / (0, 3) / (0, 3) / (3, 0) /$ $(-4, -4) / (3, -2) / (3, 0) / (-5, -4) /$ $(-3, 0) / (-1, 0) / (-4, 0) / (1, -2)$ |  |

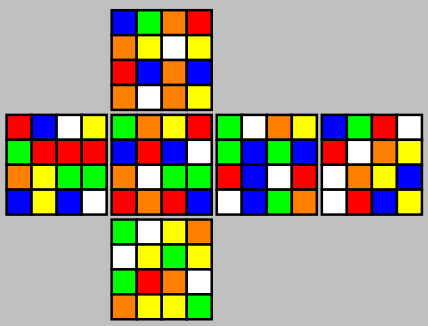
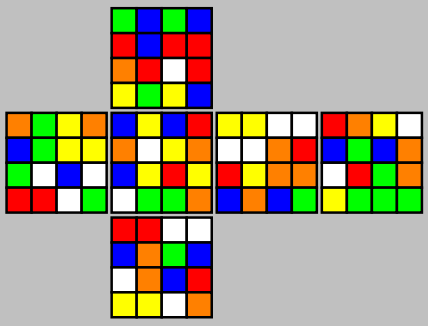
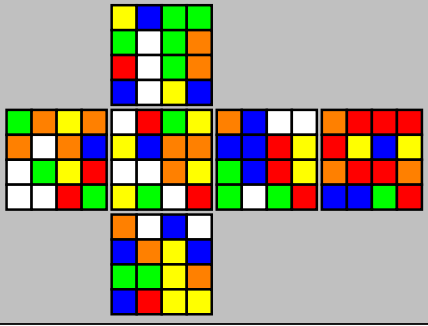
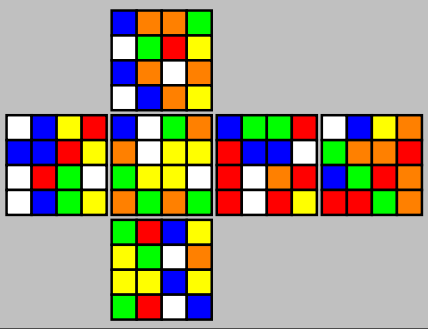
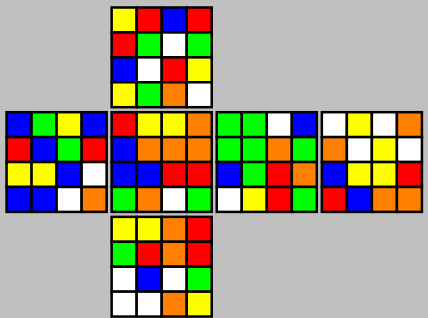
2015/08/07

Rubik's Clock Round 1
 NU_CUBING_09-06-2015

| | | |
|-----------------|--|---|
| 1. | UR3+ DR3- DL2- UL0+ U1- R3+ D5+ L4+ ALL3+ y2 U4+ R5- D0+ L1+ ALL4+ DL |  |
| 2. | UR2- DR3- DL0+ UL4- U1+ R2- D2+ L0+ ALL0+ y2 U5- R4+ D0+ L3+ ALL5+ DR DL UL |  |
| 3. | UR5+ DR2+ DL3- UL3- U2+ R4- D1+ L2- ALL3+ y2 U3- R4+ D1+ L4+ ALL2+ DR DL UL |  |
| 4. | UR2- DR5- DL2- UL4- U4- R4- D4- L2- ALL1- y2 U2+ R4+ D3+ L5+ ALL0+ UR |  |
| 5. | UR1- DR4- DL5+ UL3+ U3- R4- D3- L3+ ALL2+ y2 U6+ R1+ D3+ L1- ALL5- UR DR UL |  |
| Extra scrambles | | |
| E1. | UR6+ DR5- DL6+ UL4+ U5+ R3+ D6+ L2+ ALL0+ y2 U2- R5+ D5- L2- ALL0+ DR DL |  |
| E2. | UR5- DR2- DL2- UL4- U3+ R2- D5- L4- ALL6+ y2 U3+ R4- D2- L3- ALL4+ UR |  |

2015/08/07

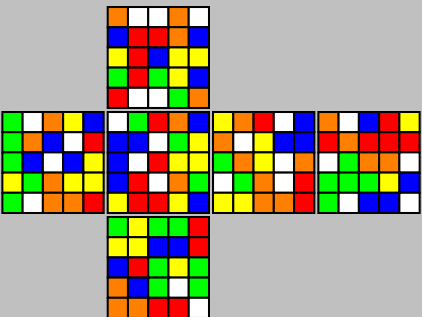
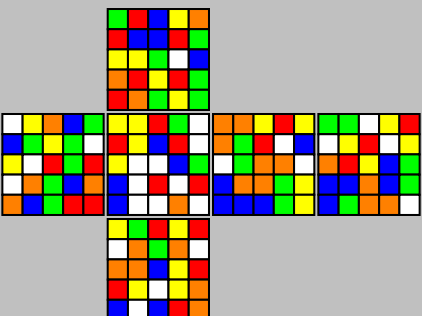
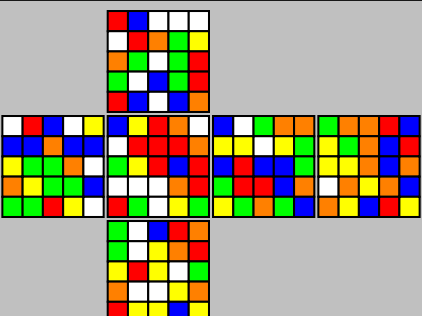
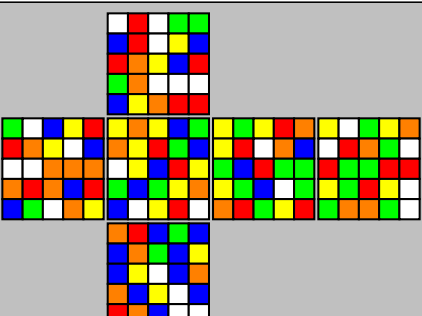
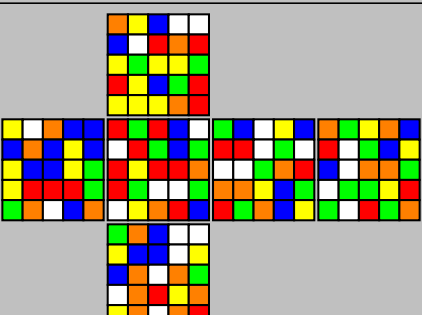
4x4x4 Cube: Blindfolded Round 1
 NU_CUBING_09-06-2015

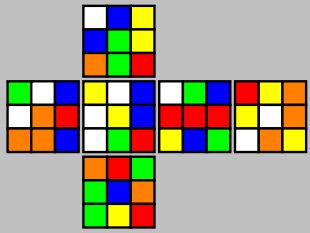
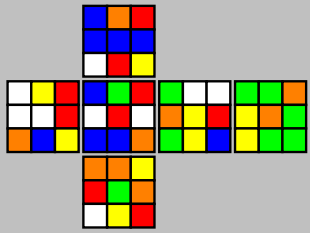
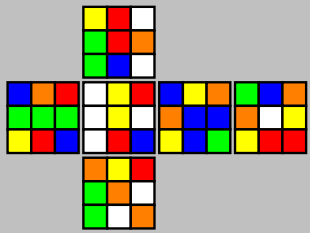
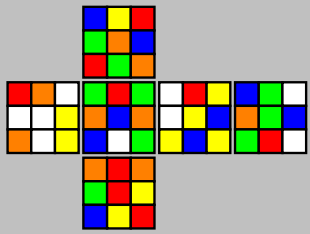
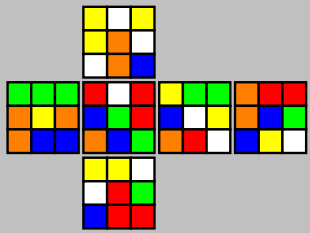
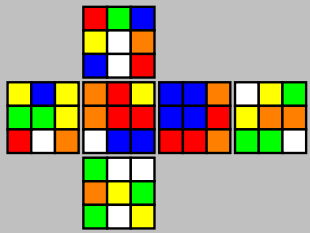
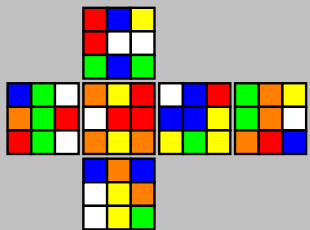
| | | |
|-----------------|--|---|
| 1. | F U R F L2 D' L' U' R' D B2 D2 B2 R2 D R2 L2 B2 D' R2 Fw2 U' Rw2 D R F2 L' D2 Rw2 Uw2 L F2 Fw Rw2 Fw2 U R2 U Rw Uw R' F2 Rw2 Fw2 D2 z y2 |  |
| 2. | L2 B D2 R2 F' L2 B D2 B U2 R' B R D' B' L' R' B' L2 R2 Rw2 F' Uw2 D B' Rw2 B2 F' Uw2 D Rw2 D Rw Fw2 Rw D B2 Rw Uw Rw' B2 Uw B2 L Uw' z y' |  |
| 3. | U2 L2 B2 D' B2 L2 B2 R2 D2 U B U' R F' L' B' R D' B L2 D Rw2 Fw2 B D' Rw2 D Rw2 U Fw2 U2 R2 F' Rw' B U Rw2 R F' D B' Fw R Uw' L B' x' |  |
| Extra scrambles | | |
| E1. | B F' D2 U L' F2 D B' L' D2 R' F2 L2 U' L2 U2 B2 L2 U' B2 Rw2 Uw2 U' Rw2 D R D' U' L' F2 Uw2 L' D Fw' D' R' B2 L' Uw Fw' Rw' L2 Fw Uw2 L' z' |  |
| E2. | U2 L D2 B2 L' D2 B2 U2 L2 U D' L2 B' D' R F' D' B2 Fw2 Rw2 F' U2 L U2 Rw2 Fw2 F2 R2 F2 Rw2 Uw' F' R U R' D Rw' L Fw' F' B2 Rw2 Fw' x2 y2 |  |

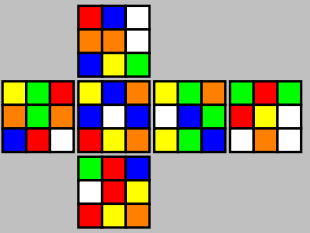
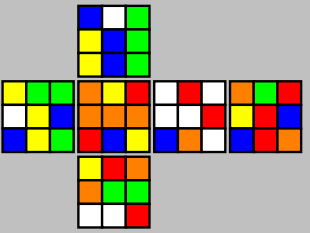
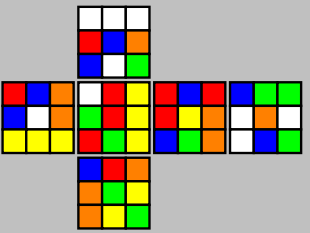
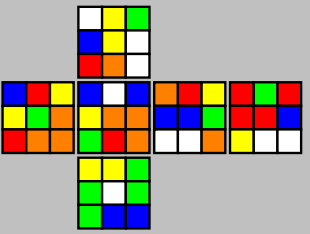
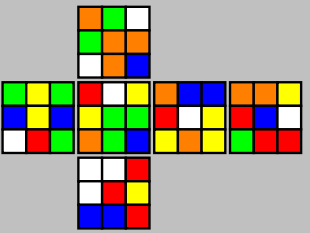
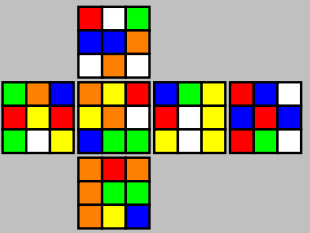
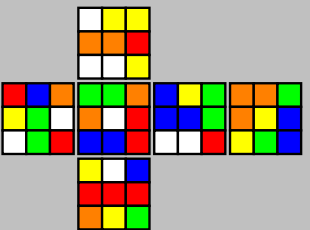
2015/08/07

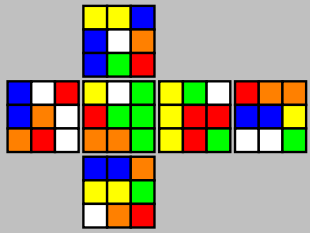
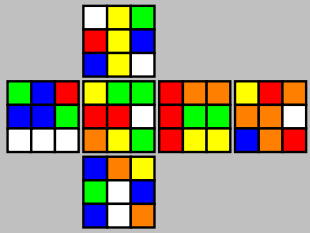
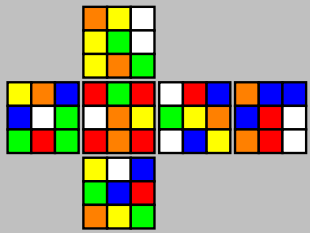
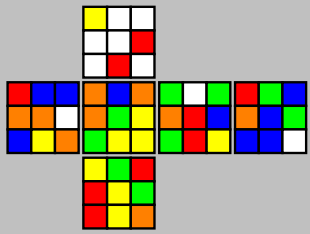
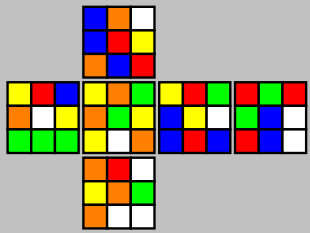
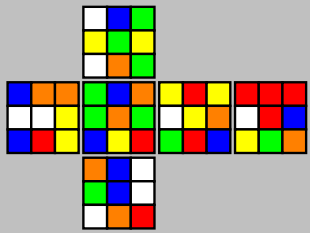
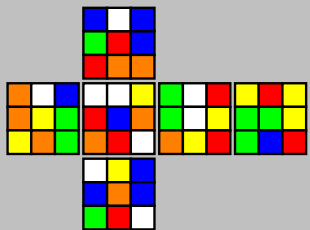
5x5x5 Cube: Blindfolded Round 1

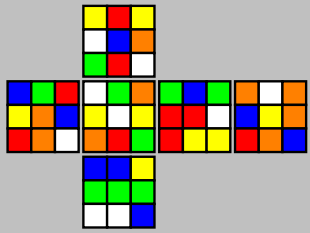
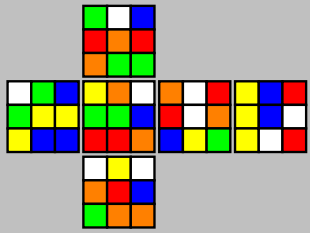
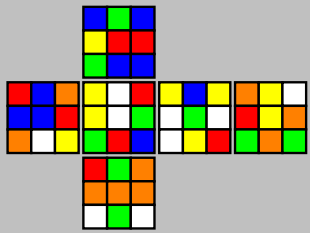
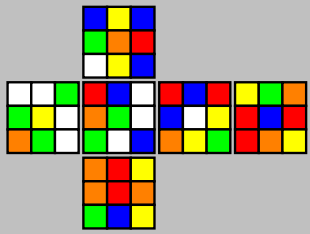
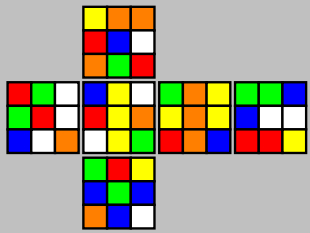
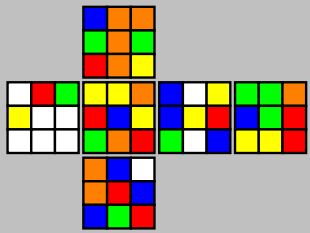
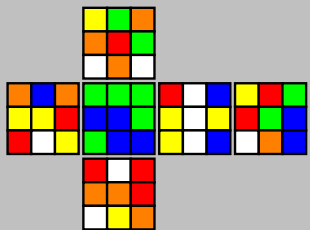
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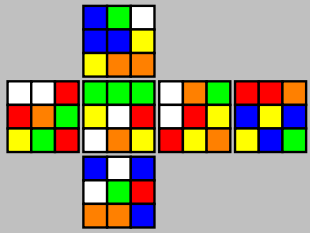
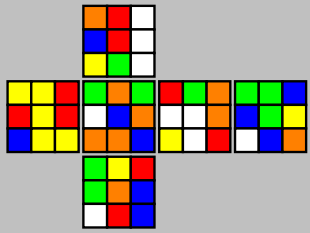
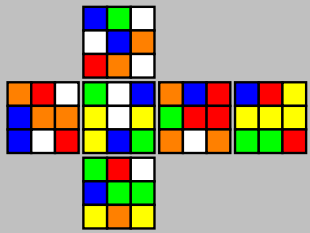
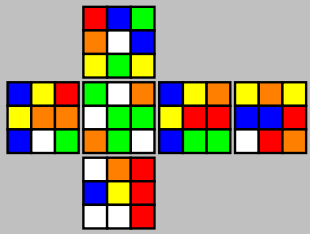
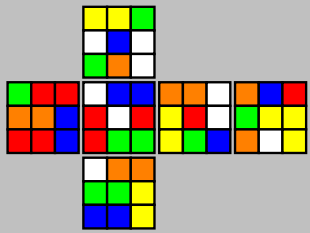
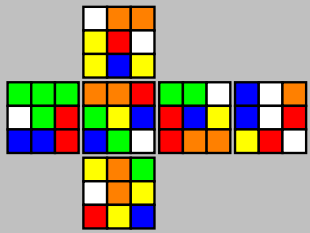
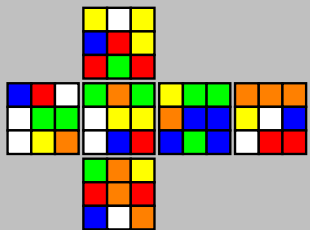
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|-----------------|-----|-----|-----|-----|------|------|-----|-----|---|-----|--|
| 1. | B2 | Lw' | F | Bw | R | L | Uw2 | Fw |  | | |
| | Lw2 | B2 | Bw | Rw | Uw2 | Dw2 | R | Rw2 | | | |
| | D' | Lw | Fw2 | Bw | L' | Uw2 | Dw2 | L2 | | | |
| | R' | Rw2 | Dw' | Bw | Rw2 | Lw | F | Lw2 | | | |
| | Uw' | B | Uw' | R2 | Fw | Rw | L2 | R' | | | |
| | Dw | Uw' | Lw2 | U | D2 | Bw2 | L | Fw' | | | |
| | B2 | R2 | Bw2 | L | R' | Bw2 | F | Dw' | | | |
| | D' | R' | L' | Fw' | 3Rw' | 3Uw | | | | | |
| 2. | Uw' | U | R' | D' | U | Lw | Rw | B |  | | |
| | Dw2 | Fw' | Uw2 | B | Bw2 | Dw' | D' | L | | | |
| | F2 | Uw2 | R2 | Fw' | Uw2 | Dw | Lw | Fw | | | |
| | Rw | F' | B | Fw2 | Lw2 | Bw2 | B2 | Rw2 | | | |
| | L2 | R | U' | L | Uw | F' | Lw2 | D | | | |
| | U | Lw2 | R' | L' | Fw2 | B' | Bw2 | Rw2 | | | |
| | Fw | Rw2 | U' | B2 | U' | Lw' | B | Uw' | | | |
| | Bw' | Fw2 | U' | F2 | 3Rw | 3Uw2 | | | | | |
| 3. | Dw | U2 | Fw | Lw' | Bw2 | D' | Uw | Dw' | R' | Bw |  |
| | Uw | Lw | Uw | D | L2 | Bw | Uw2 | Fw | F2 | Dw2 | |
| | Uw | Bw2 | B' | F' | Lw | Rw | F | L' | D' | R2 | |
| | Fw | Dw | F' | Lw2 | Dw' | Lw2 | Rw2 | U2 | Uw' | F' | |
| | R2 | F | Dw' | U2 | Lw | U2 | Rw2 | D' | B' | Bw' | |
| | R | Uw' | Dw | Lw' | L' | U2 | Uw2 | Lw2 | U2 | Bw | |
| | 3Uw | | | | | | | | | | |
| Extra scrambles | | | | | | | | | | | |
| E1. | Fw' | B | D' | F2 | Lw' | B2 | Fw2 | L2 |  | | |
| | R2 | Uw' | B | Dw | L | D | U | B | | | |
| | F2 | Bw' | R' | U' | Fw2 | B2 | D2 | R | | | |
| | U2 | Bw' | R | Dw2 | D' | B' | F2 | Dw | | | |
| | Lw2 | U2 | Uw' | Lw' | L | Bw' | Dw' | Fw' | | | |
| | R2 | Fw | Bw' | B2 | L2 | Lw2 | Rw | Dw' | | | |
| | D2 | R' | L | B' | F' | Dw | Lw2 | Dw | | | |
| | R | Dw' | Uw' | D | 3Rw2 | | | | | | |
| E2. | B2 | Lw2 | R' | Fw' | B' | D' | Bw' | Fw |  | | |
| | Uw | B2 | U | F2 | Dw | Rw2 | Dw | U2 | | | |
| | Fw | Uw' | Lw | F2 | Dw' | D2 | Uw2 | B2 | | | |
| | L2 | Bw2 | Uw' | Lw' | U' | Bw' | Rw' | F | | | |
| | U2 | D' | L | R2 | B | Fw2 | F' | U' | | | |
| | L2 | Lw2 | Bw' | R2 | Uw' | F2 | Dw2 | Rw2 | | | |
| | U' | Fw' | B' | Dw' | Rw2 | Fw2 | Bw | Uw2 | | | |
| | Fw' | Lw | Bw | D2 | 3Rw2 | 3Uw | | | | | |

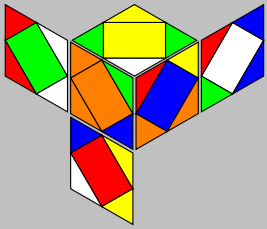
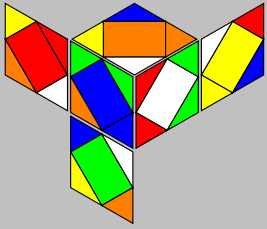
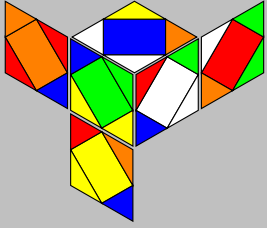
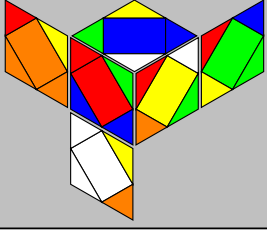
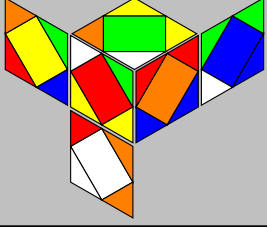
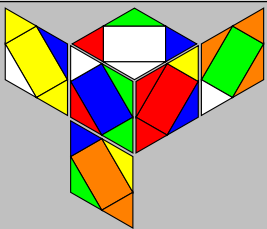
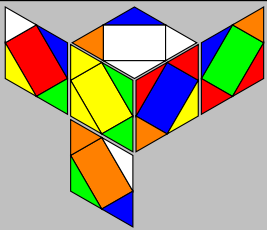
| | | |
|----|--|---|
| 1. | R2 D R2 U L2 D' B2 U F2 U2 F2 R F U F2 L B L2 B2 D2 F' Rw |  |
| 2. | D2 B2 U' B2 D' R2 B2 D2 L' F D L2 D2 R' B F' U F' U2 F Rw' Uw |  |
| 3. | L2 R2 F' L2 D2 B2 U2 B' U' F' L' R2 D L B2 R B D' Fw' Uw |  |
| 4. | L2 U F2 D F2 L2 B2 U2 R' F2 R2 D' L2 F' L2 D B D2 F U' Fw Uw2 |  |
| 5. | B2 L' D2 U2 R D2 L2 D L' D' R B F L2 U L2 D2 L Fw |  |
| 6. | U L2 D2 B2 U B2 U' F2 D R2 B L D' F' D' U2 B' U2 F Uw |  |
| 7. | L2 D' R2 D B2 D F2 R2 U F L2 U R' U' B D U2 B' U' F Uw |  |

| | | |
|-----|---|---|
| 8. | F ² D ² L ² F ² R ² U ² F' L ² F ² U ² R' U ² B' R' D' U ² R' U' R U Fw Uw |  |
| 9. | U L ² D ² B ² D' F ² D R ² B ² L B' F ² D F' L' R' D' F ² U F' Rw' Uw' |  |
| 10. | F ² D B ² D R ² U' B L B' R ² F' R ² B ² L' R' D L' U' Rw' Uw |  |
| 11. | B ² D ² F ² D U' F ² R ² U' B' U' B' F' D ² L' D ² B F R' D ² Rw ² Uw' |  |
| 12. | D R ² B ² L ² U' B ² D U R D' R' F ² D B' L D' U ² F' L' Fw |  |
| 13. | L ² D ² R ² U L ² F ² U ² L ² B ² D L' B' U' R F ² L ² D ² B U' R D Rw' Uw' |  |
| 14. | B ² U ² B' U ² R ² B ² R ² F' L ² U B ² U' L' F' R' B R F ² L ² D ² Fw Uw |  |

| | | |
|-----|--|---|
| 15. | D2 L2 D2 R B2 D2 L F2 D R2 F D U2 R2 F2 D' B2 L F |  |
| 16. | L2 F2 R2 B2 U L2 D' F2 U2 F2 D' B' L' B' U' F2 D2 F' D2 U2 Rw2 Uw |  |
| 17. | B2 D2 U' L2 B2 U2 B2 F2 U' B' D' U' B' L D' U' L' R' D B F Rw Uw' |  |
| 18. | U' B R L' D' L' F U2 F2 R F2 D' F2 U' B2 U' R2 L2 F2 L2 |  |
| 19. | F2 R2 U2 F2 U L2 R2 D' F2 D' B' U' F' L D L' R U' B L U' Fw' |  |
| 20. | U2 L2 U2 R2 F2 U' B2 L2 D L2 F' R' F2 L B2 F' L B L B' U' Rw Uw' |  |
| 21. | D' U2 F2 L2 D' R2 U B2 L2 D' B F' R U F2 D2 F2 L' D2 R U Fw' Uw2 |  |

| | | |
|-----|--|---|
| 22. | D2 L' B2 R B2 R U2 B2 L2 U B' F2 R2 D' R' B' U' F R' F2 Rw' |  |
| 23. | U' R2 F2 U' R2 D2 B2 U' R D2 L' B2 D L R2 U F D2 Fw |  |
| 24. | L2 U' F2 U2 B2 L2 D2 U2 F' L2 F2 L2 U R U F' D' B' D2 Fw' Uw' |  |
| 25. | R' B2 U2 F2 D2 R' B D L2 U2 F L2 R2 F' R' F' D' Fw |  |
| 26. | F R2 B2 F' R2 U2 F' L2 R2 F' L' U' R2 U' F U' R2 B' U' L' U Rw' Uw2 |  |
| 27. | F D2 F' U2 B' L2 R2 F' L2 U B2 U2 B F2 D L U F2 D' Fw Uw2 |  |
| 28. | U2 R2 B L2 F U2 B2 D2 B L U L B2 R2 D R2 B2 F2 D2 Fw' Uw2 |  |

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| 29. | D' F2 U L2 U' F2 D R2 B' F L' B F' R' D2 B L' U L2 F2 Rw' |  |
| 30. | R2 B2 U R2 D L2 D' F2 R B2 D R F2 D' F L2 F2 R' B' R' Fw' Uw2 |  |
| 31. | U L2 F2 D' B2 D2 R2 D' R2 U2 F' U2 R D' R D' R2 D L B2 U' Rw' |  |
| 32. | F2 U2 L' U2 F2 L' D2 U2 L F' R B' R' D L2 U' F2 L' U2 |  |
| 33. | U2 B2 R2 U2 R' D2 U2 L B2 L' D' B L' F' R' D F' U' L' B' Rw' |  |
| 34. | U2 R' F2 R' F2 D2 L2 F2 D2 R B' U' B' L' U2 B2 F' D L' D2 Fw' Uw |  |
| 35. | U' R2 B2 F2 U2 R2 F2 U' R D B2 R D' B' D' R U' B U2 Fw' Uw |  |

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| 1. | L R L B R' L B' R B L U' |  |
| 2. | L R L R' B U' B' L B' R' B' |  |
| 3. | L R L R L R U L' U' R B' |  |
| 4. | L R B R U' R' U L U R' U' |  |
| 5. | L R L B' U' L' B' U B R U |  |
| Extra scrambles | | |
| E1. | L R B U' L B R U' L' R' L |  |
| E2. | L R L' R' B' U B U' L R U' |  |