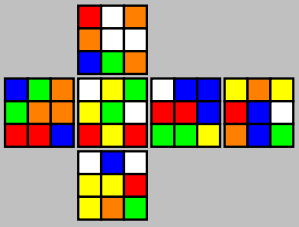
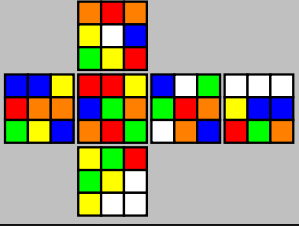
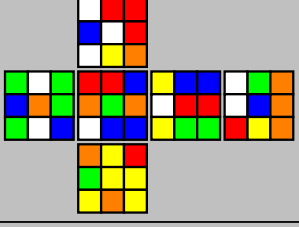
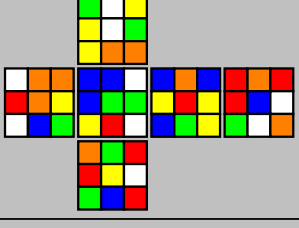
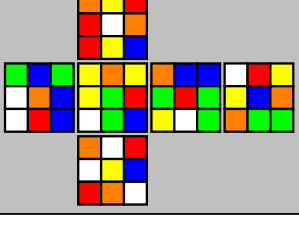
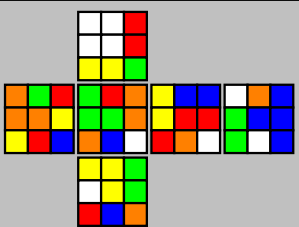
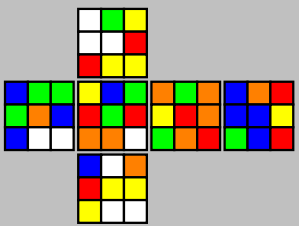
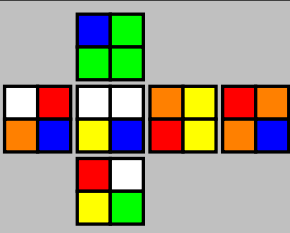
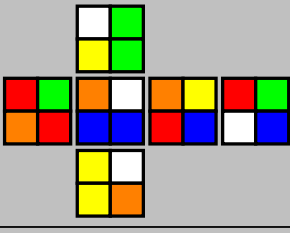
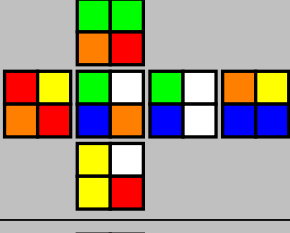
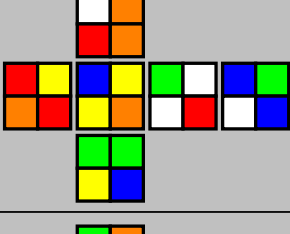
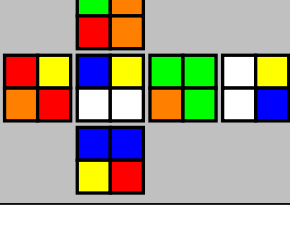
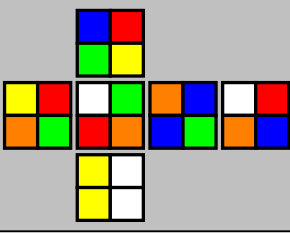
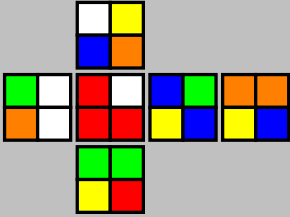
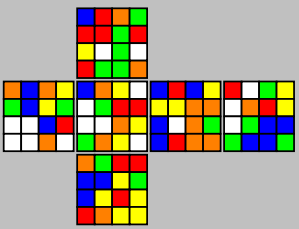
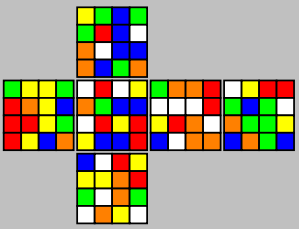
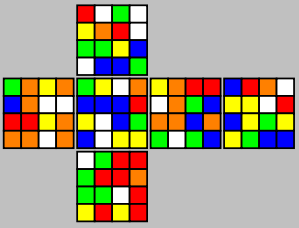
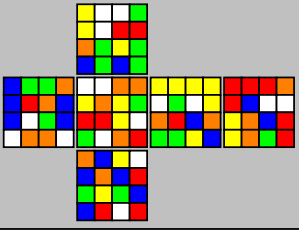
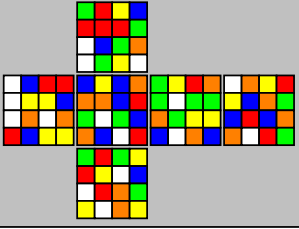
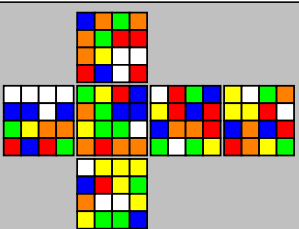
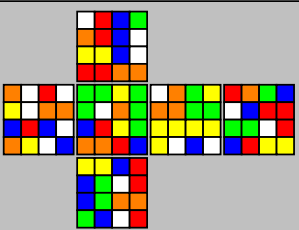


1.	B2 R2 U' B2 D' B2 U L2 D2 L' D B' U2 R D2 R B2 D B L	
2.	L' F L2 D F' U2 R B2 L F R L' F2 U2 R2 F2 U2 F2 L2	
3.	F2 D2 B2 L F2 D2 L' R' U' L F L' D B F' D' F' R2 D'	
4.	D2 F2 R' D2 F' U L2 D F R U2 F R2 L2 U2 B2 R2 B'	
5.	U' B2 U' B2 D B2 F2 U L2 F D2 U' L' B' D' F' U2 B F' R2	
Extra scrambles		
E1.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

1.	U' R' U2 F' U' R U2 R' U2 R2 U'	
2.	R U' R2 F R' F U2 F R2 U' R2	
3.	R U2 F' U2 R2 F' U' R F' R U'	
4.	U R' U2 F R2 U2 R2 U2 F2 R2 U'	
5.	R U' F' R' F R' F U' F R2 U2	
Extra scrambles		
E1.	U2 R U2 R2 F2 U' R F' U' R' U	
E2.	R' F' R U' R F' U' R2 F' U' R	

2015/08/07

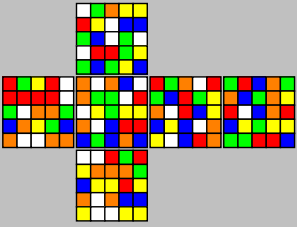
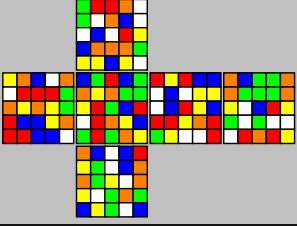
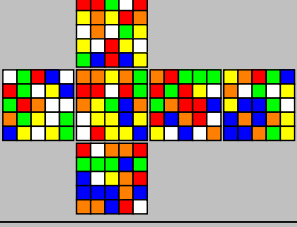
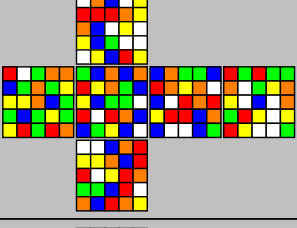
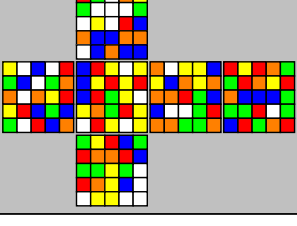
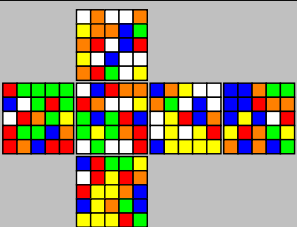
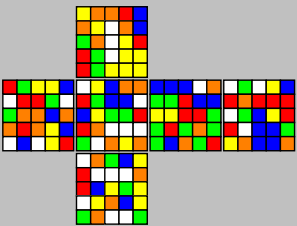
4x4x4 Cube Round 1
NU_CUBING_12-20-2015

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

2015/08/07

5x5x5 Cube Round 1

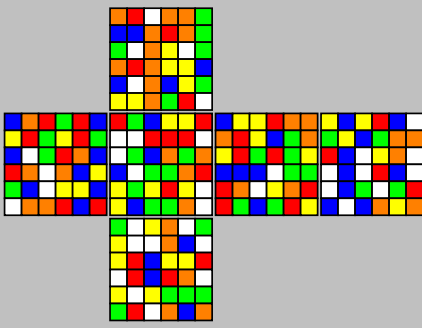
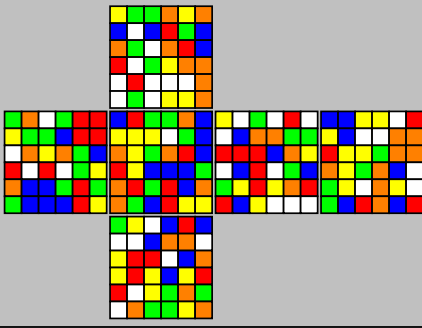
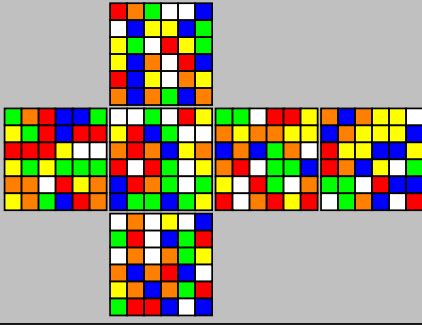
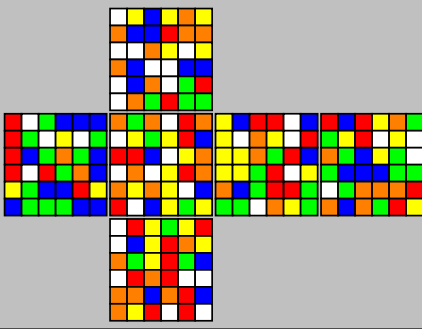
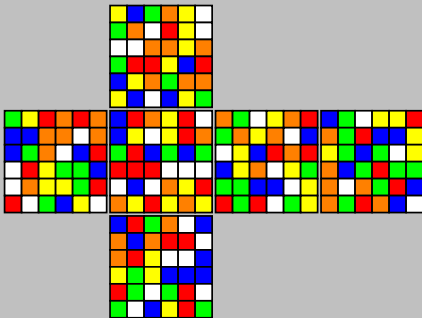
NU_CUBING_12-20-2015

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

2015/08/07

6x6x6 Cube Round 1

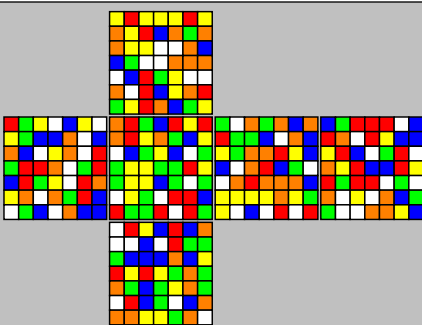
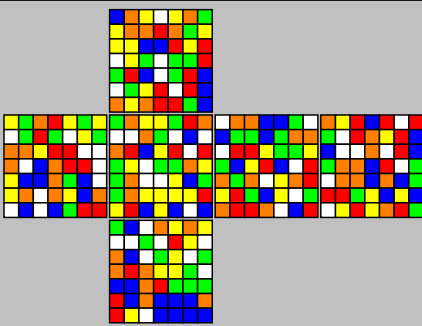
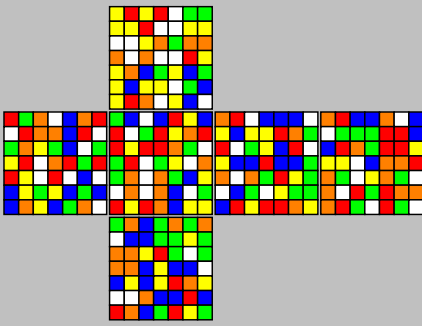
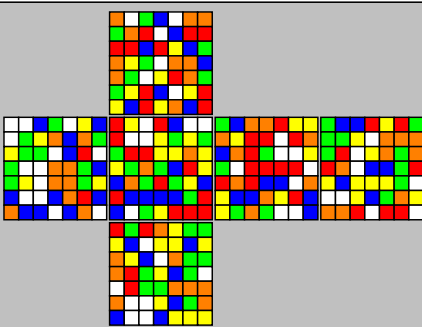
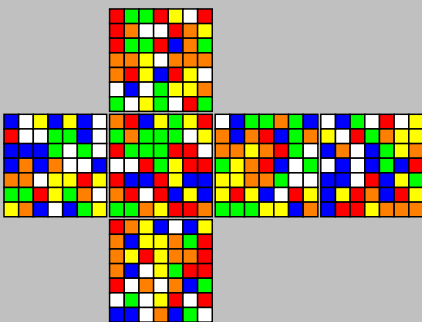
NU_CUBING_12-20-2015

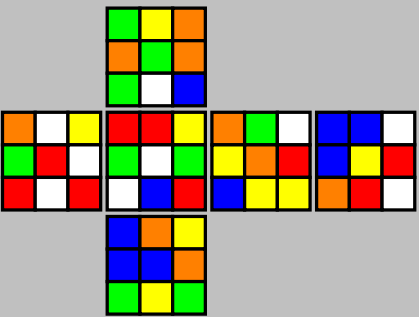
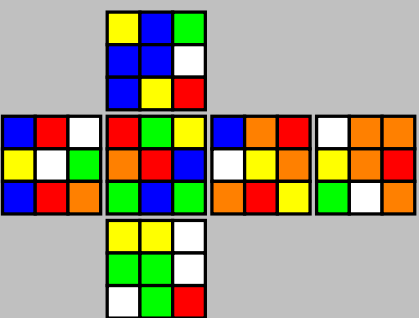
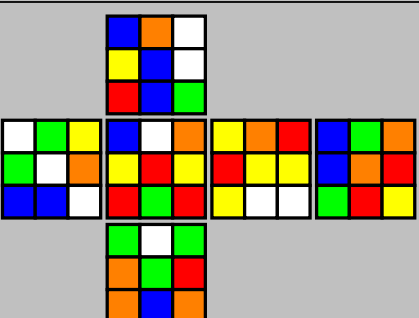
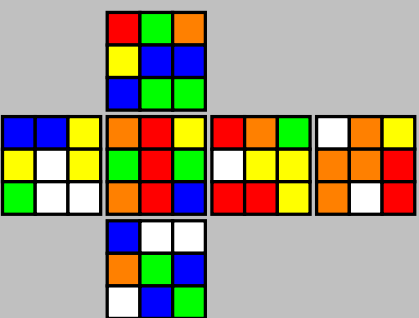
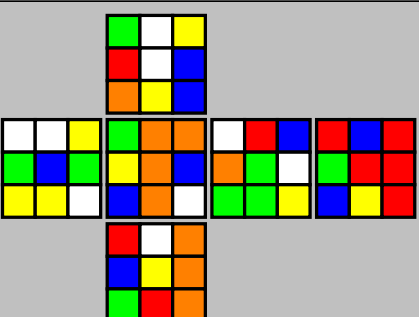
1.	Dw 3Uw' Lw2 Rw L U' L Lw2 U' 3Fw Rw F' Bw Rw2 Uw2 3Fw Rw2 Uw L2 3Fw2 Bw' 3Rw Rw2 Uw' Dw' L' 3Fw Fw2 Lw' D Uw Fw U' Dw 3Fw' L' 3Uw L' 3Uw' D2 R' 3Fw' U Dw 3Uw' R2 Dw 3Fw L 3Uw2 Rw 3Rw' 3Uw' Fw2 F' L2 R' Dw Fw F' Uw' B2 F' Fw2 Bw' R' Bw' B2 3Uw2 Uw2 3Fw' D2 U' 3Rw Fw2 B Bw 3Rw' Dw' U'	
2.	Lw2 U' Rw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

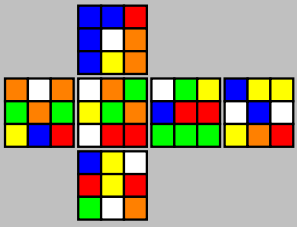
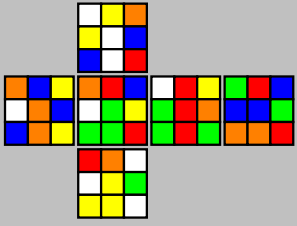
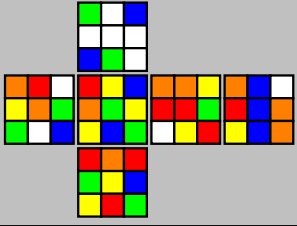
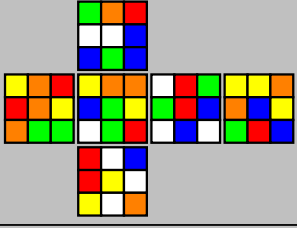
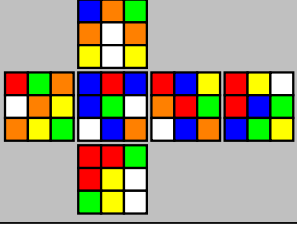
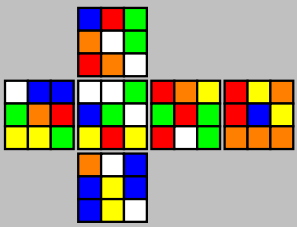
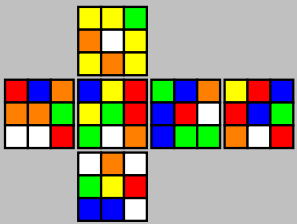
2015/08/07

7x7x7 Cube Round 1

NU_CUBING_12-20-2015

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

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

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

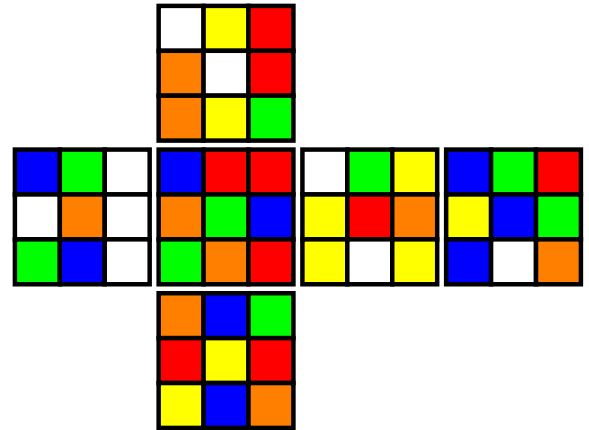
NU_CUBING_12-20-2015
3x3x3: Fewest Moves Round 1
Scramble 2 of 3

Competitor: _____

WCA ID: _ _ _ _ _

DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: _____ Result: _____



- 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.

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

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 page. There are no margins, text, or other markings present.

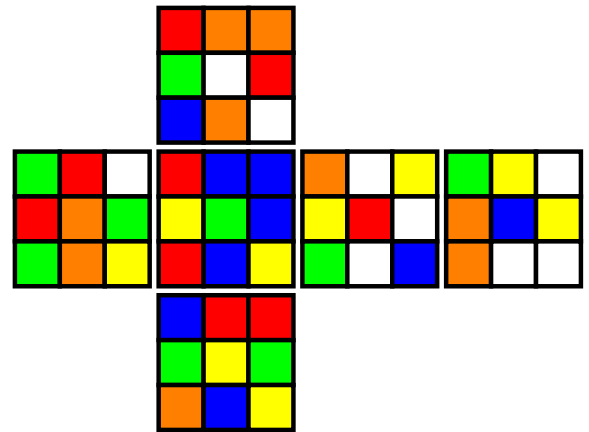
NU_CUBING_12-20-2015
3x3x3: Fewest Moves Round 1
Scramble 3 of 3

Competitor: _____

WCA ID: _ _ _ _ _

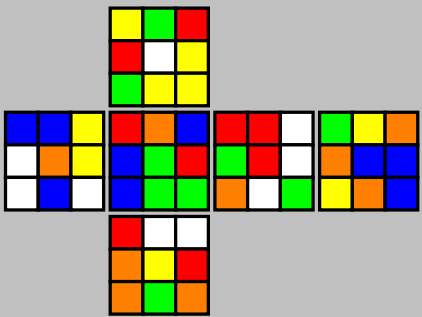
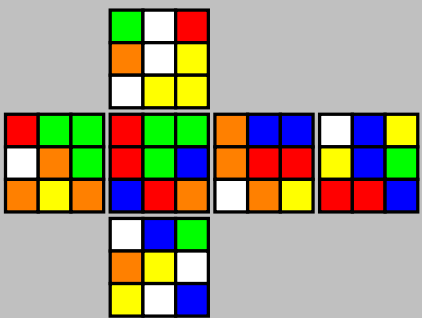
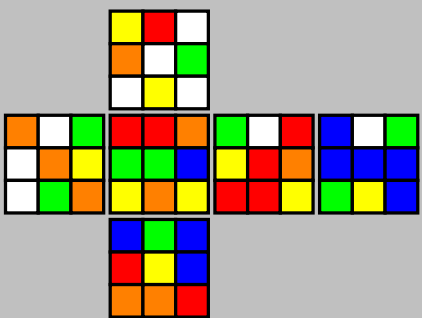
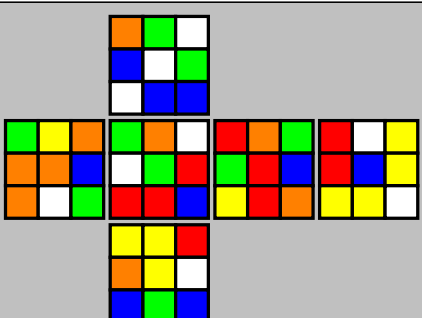
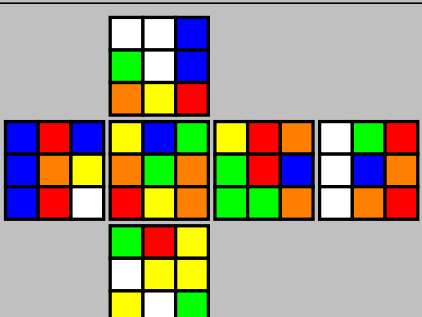
DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: _____ Result: _____



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

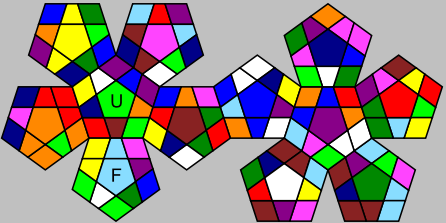
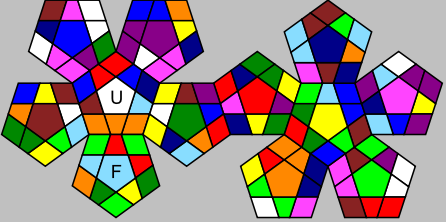
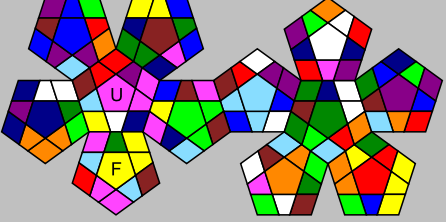
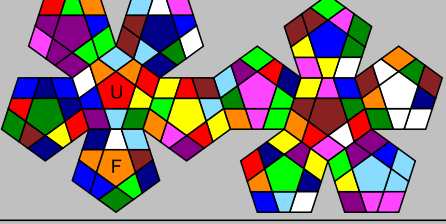
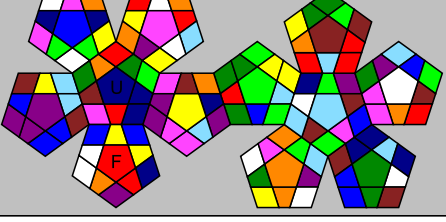
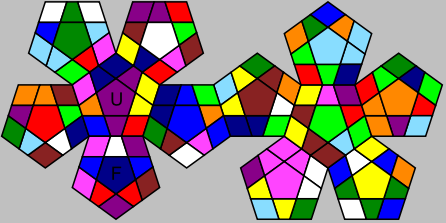
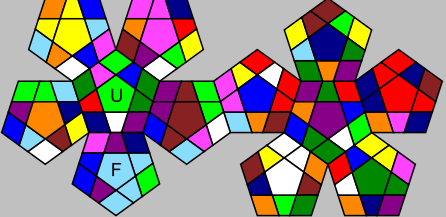
This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

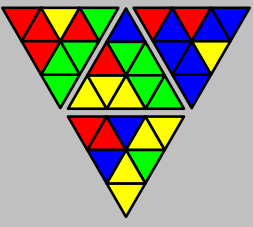
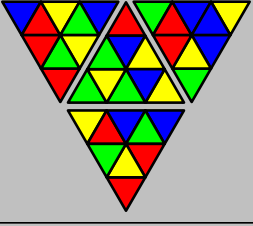
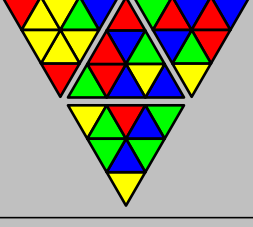
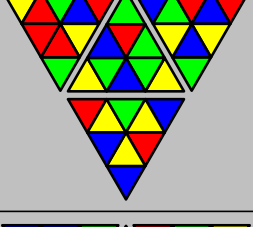
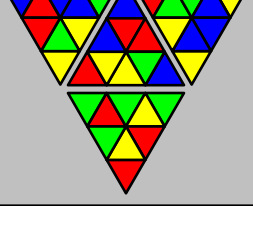
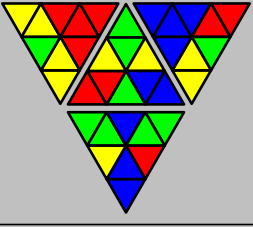
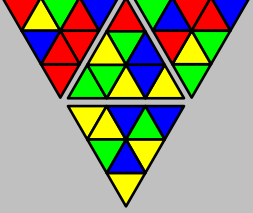
1.	B' R' D R2 B U2 B' L' U' B R D2 L U2 F2 R' B2 R2 U2 L2	
2.	F B2 L2 B2 D2 B' L' F2 D' B' U' R2 U F2 R2 F2 L2 B2 D	
3.	B D2 U2 R2 F D2 B2 U2 F D F2 D2 F' D' B L' F' D R B	
Extra scrambles		
E1.	L F2 R F2 D2 L R U2 R' B L R' U2 F L2 D2 U' L D R'	
E2.	F' L2 D2 L2 B2 L2 U2 F R D L2 B' R' F L D L' U2 R	

2015/08/07

Megaminx Round 1

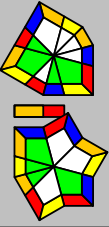

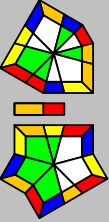

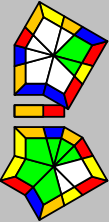
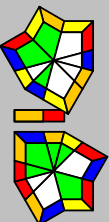
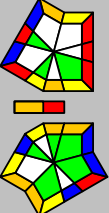
NU_CUBING_12-20-2015

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

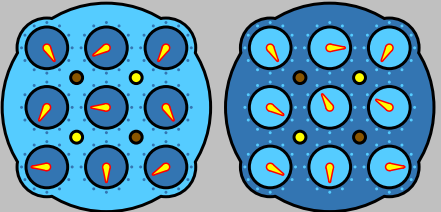
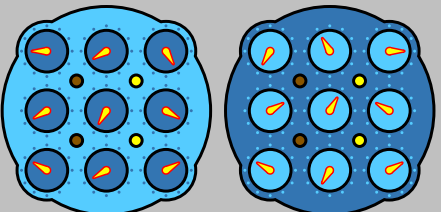
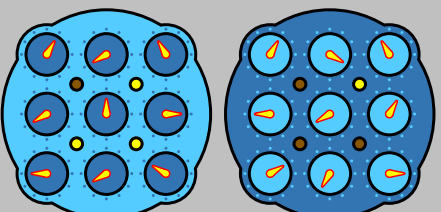
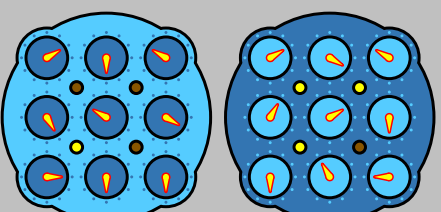
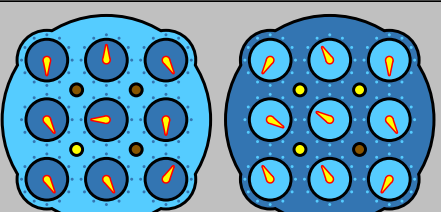
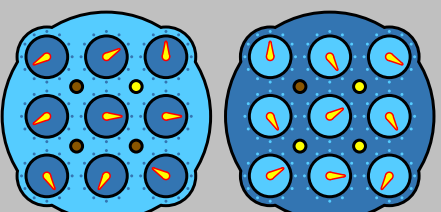
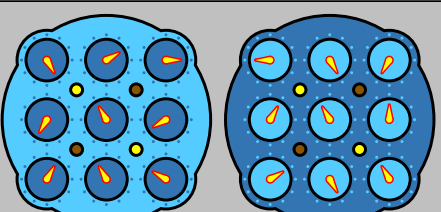
2015/08/07

Square-1 Round 1
NU_CUBING_12-20-2015

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

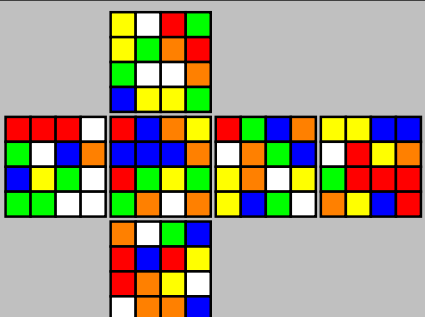
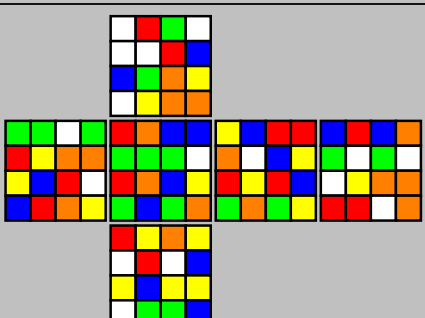
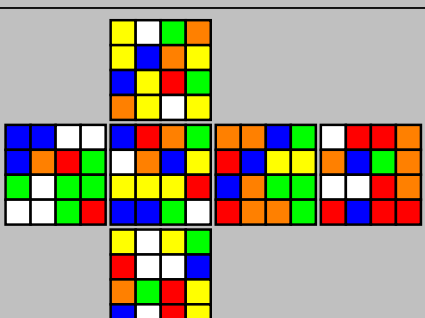
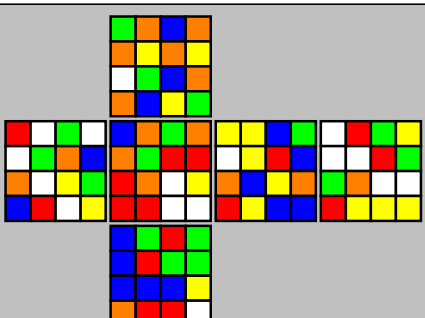
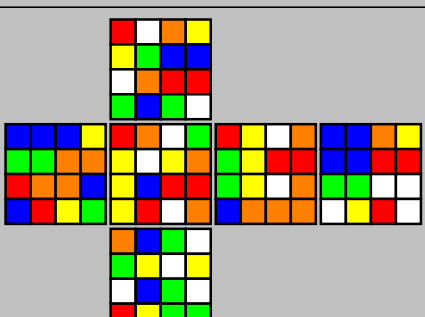
2015/08/07

Rubik's Clock Round 1
NU_CUBING_12-20-2015

1.	UR5- DR1+ DL1- UL2+ U4- R1- D4- L0+ ALL1- y2 U3+ R2+ D1+ L4+ ALL1- UR DL	
2.	UR5- DR0+ DL4+ UL5- U4+ R4+ D2- L4+ ALL3- y2 U1- R1- D1- L3+ ALL5- UR DR	
3.	UR5+ DR5- DL6+ UL5- U1+ R1- D3+ L6+ ALL2- y2 U4+ R4+ D4+ L3- ALL3+ UR DR DL	
4.	UR4- DR1- DL3+ UL5- U0+ R6+ D4- L2- ALL3- y2 U4+ R5+ D4+ L6+ ALL3+ DL	
5.	UR4- DR1- DL4- UL2+ U1+ R1- D4+ L5- ALL6+ y2 U4+ R4+ D3- L3+ ALL1+ DL	
Extra scrambles		
E1.	UR3+ DR6+ DL3+ UL1+ U5- R0+ D0+ L5+ ALL1+ y2 U4- R5- D1+ L0+ ALL1- UR	
E2.	UR3+ DR1+ DL1- UL0+ U3+ R6+ D6+ L0+ ALL5+ y2 U0+ R4+ D3- L3+ ALL5- DR UL	

2015/08/07

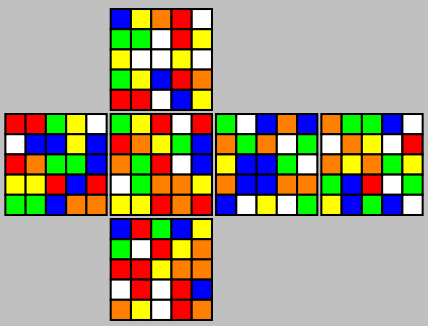
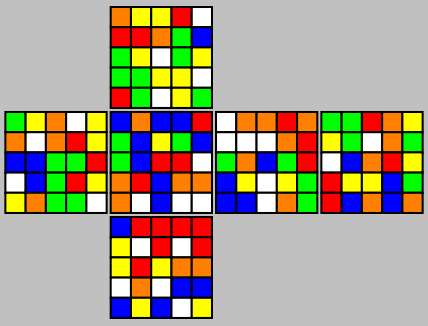
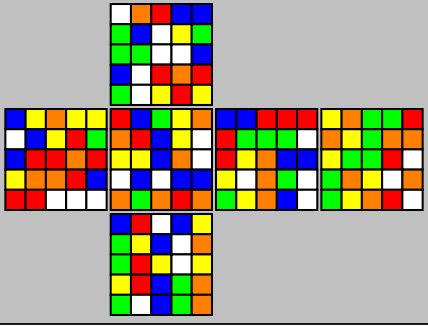
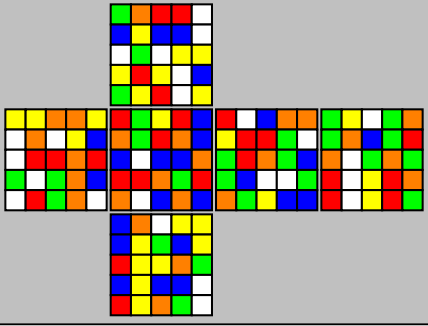
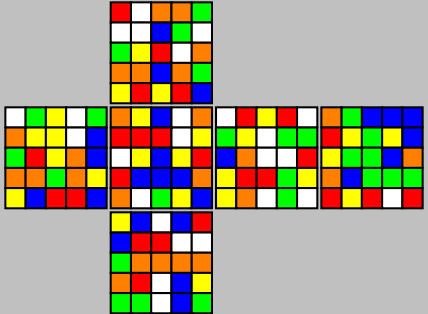
4x4x4 Cube: Blindfolded Round 1
 NU_CUBING_12-20-2015

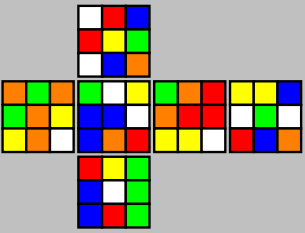
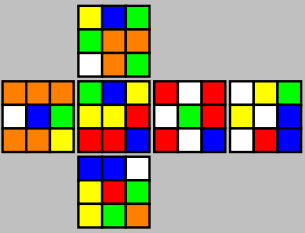
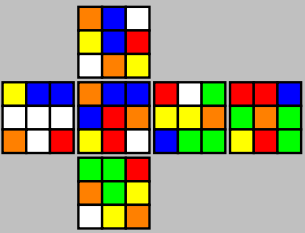
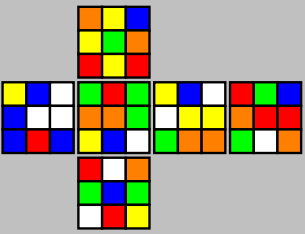
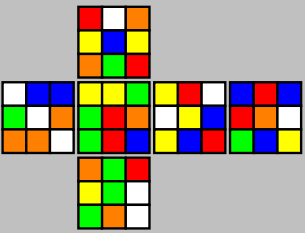
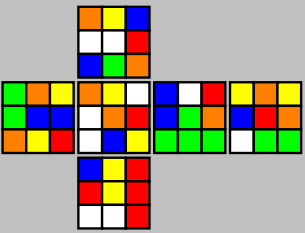
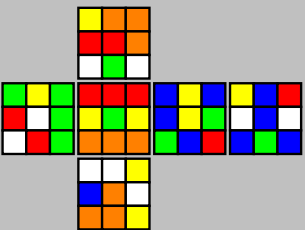
1.	D2 B2 R D' U2 B2 L D2 F' L B2 U' L2 R2 D F2 D2 F2 U' R2 Uw2 F2 Uw2 F' R Uw2 Fw2 R L2 F' B' R' Uw F R' U2 B2 Fw R' D' Fw Uw2 Rw F L2 x' y	
2.	L2 F R2 F2 D2 F' R2 F' L' R U F' U R2 U' B2 U2 F L Rw2 F' Uw2 Rw2 L' Uw2 B2 R2 F' R' F D2 F2 U' Fw2 B Uw' Rw' R F2 Uw' Rw' Fw L' U y2	
3.	B2 L2 U F2 D' R2 U2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

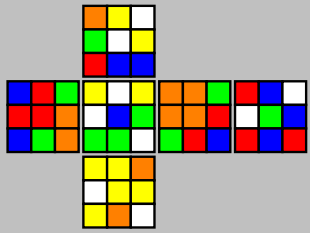
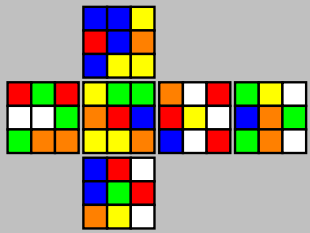
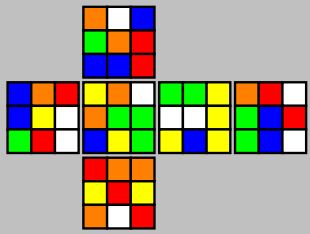
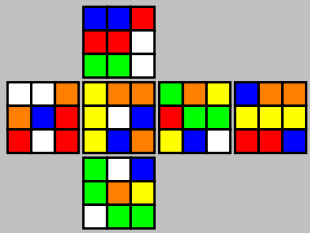
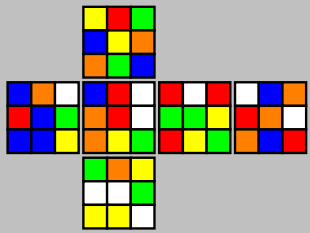
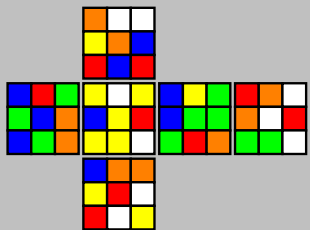
2015/08/07

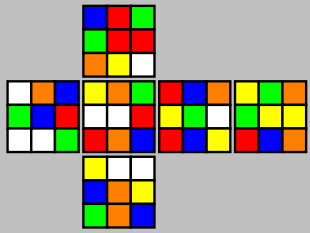
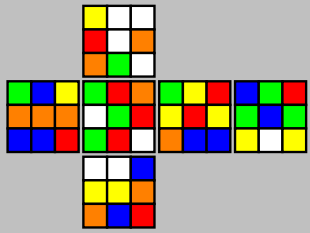
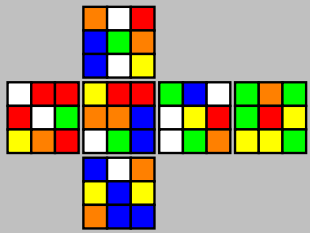
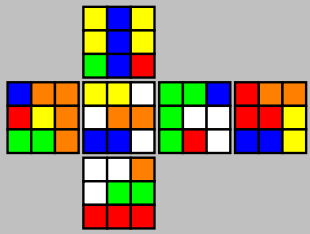
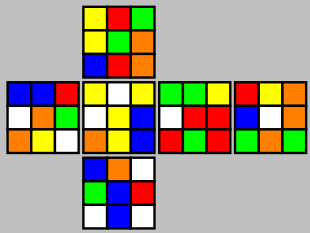
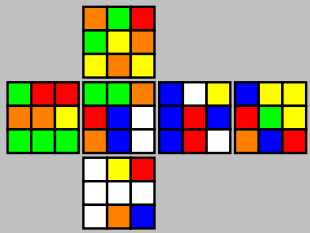
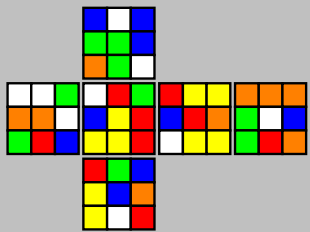
5x5x5 Cube: Blindfolded Round 1

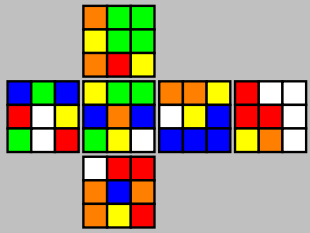
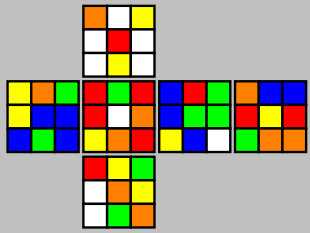
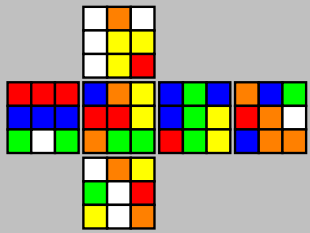
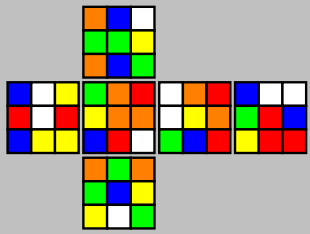
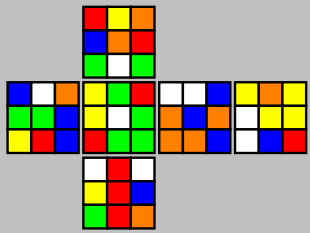
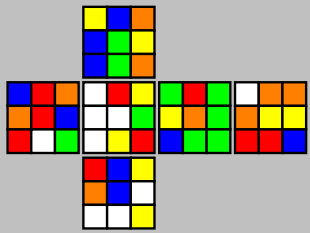
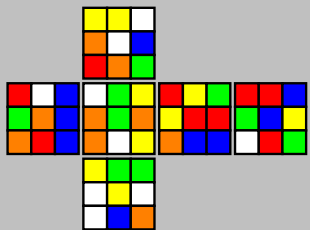
NU_CUBING_12-20-2015

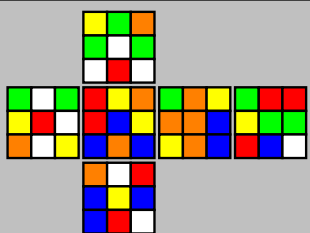
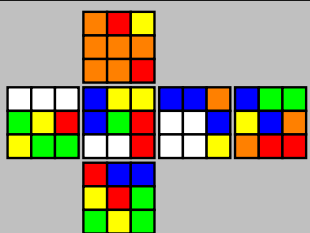
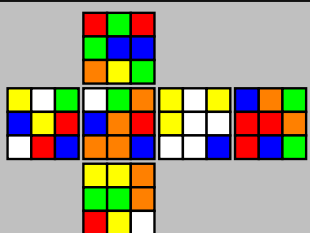
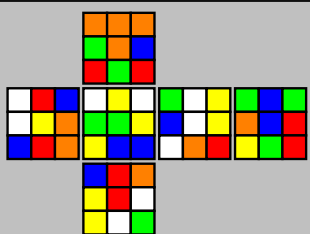
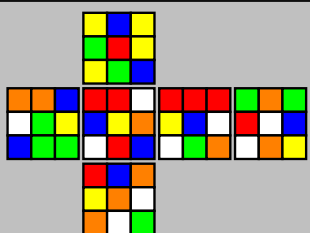
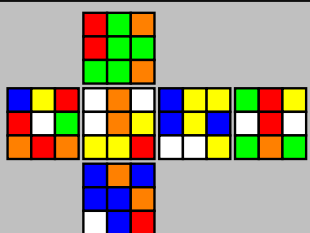
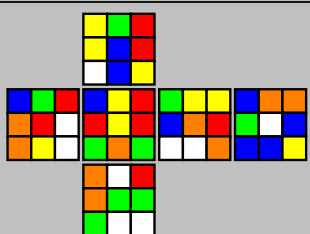
1.	Rw2 Fw' Bw' Uw L Uw' F D2 B2 L2 Rw B2 Lw2 Fw2 L B2 F' Fw Dw2 Rw' D Dw' B' Bw' R2 L2 Bw' Lw Dw2 L2 Dw B U' Lw R F' Uw' Lw2 Fw' B2 D2 L2 D2 Fw' R D' Fw Uw' U Rw U Bw' U2 F' Rw' Dw' Lw2 Rw Dw2 B' 3Uw	
2.	Lw Dw2 F2 U L2 U B Fw Bw D2 Lw2 Rw2 F' Bw Rw Lw Dw2 Bw F2 D R2 Uw' Lw' Fw L' Fw Rw2 Dw L D2 Uw B2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

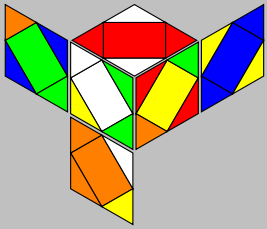
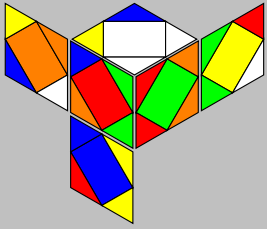
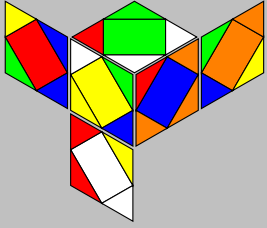
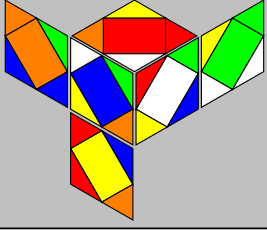
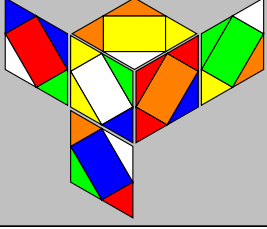
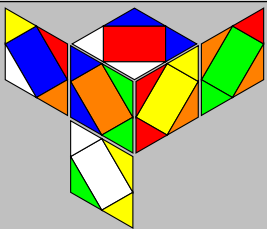
1.	B2 U L2 F2 R2 U2 F2 L' B R2 D B U' B R' D U L2 U' Rw2	
2.	R2 U2 L' B2 L U2 L R' B2 U L' F2 L R D' L2 F' U' L2 R' Fw Uw'	
3.	F2 R D2 B2 R' B2 R2 U2 L' F2 L F U F' D R' U' L' B D2 Rw' Uw	
4.	U B2 U2 L2 B2 D L2 B2 L2 D' R' U' B2 D F' R' F' D2 R2 D' Rw Uw'	
5.	F2 L2 D' R2 F2 L2 B2 U2 L2 U R' D2 F' R' B2 D B U2 R2 B2 Rw' Uw	
6.	U' R2 U F2 U F2 U' F2 U L R2 U F L' D R2 B D B2 R2 Uw'	
7.	F R2 B' D2 F U2 F' U' L D' L2 R2 B D L2 D2 R' D2 U' Fw'	

8.	D2 B' U B D' R' L' F' R2 F2 B2 U F2 D2 L2 U2 D' F2 L2	
9.	B2 U' R2 F2 U L2 D B2 U R U2 B' R' B' L' F U F' U R' Uw2	
10.	R2 U F2 U' B2 R2 U' B2 R' F U' F' L' F' R2 D2 R2 F' D2 Rw' Uw	
11.	B2 D2 L D2 F2 L' R2 F2 U2 F D2 R' U F L2 B F U L' R2 Fw	
12.	F2 U' L2 B2 R2 D2 L2 U L2 F2 U L' B F U B' D B' L F2 L Fw' Uw'	
13.	D2 U2 B2 F2 L B2 L' F2 L F2 L' B R' D' F' D2 L2 B D2 F2 Rw2 Uw	
14.	L2 F' D2 L2 U2 F' U2 F D' B2 U B' R2 F' L' B2 R D2 B2 U2 Fw Uw'	

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

22.	U2 L2 B' U2 B L2 R2 B2 R2 D B' F' R U' B2 D B' F' R F2 Rw Uw'	
23.	B2 U' R2 D2 B2 F2 D L2 R2 F' R B U' L B2 R2 F' U2 L2 D' Fw' Uw'	
24.	B L2 B' L2 D2 F' L2 U F2 L' R' D2 U' L U L2 R U' Rw2 Uw	
25.	F2 D' L2 D' B2 F2 D U L2 R' F' R B U' L2 U2 R U2 F' D' Rw Uw'	
26.	B L2 U2 L2 U2 B R2 F' R2 U2 F2 U B2 F' L B' F2 R D' F' D Fw Uw	
27.	U L2 F2 R2 D2 B2 U R2 U' L B L' U B U R' D' B F' D' Rw Uw2	
28.	L F2 R' B2 R D2 L D2 B2 U L B R2 B' D L2 R F2 D' F'	

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

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