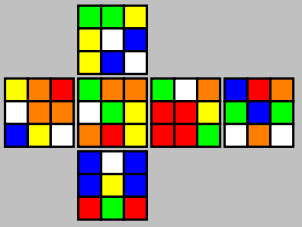
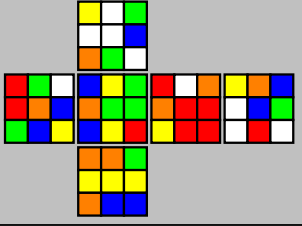
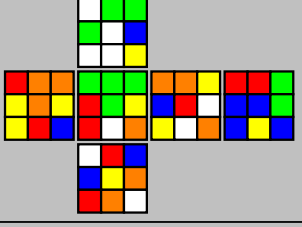
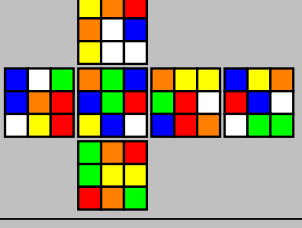
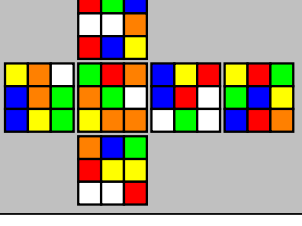
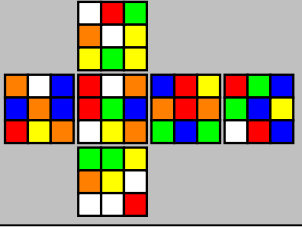
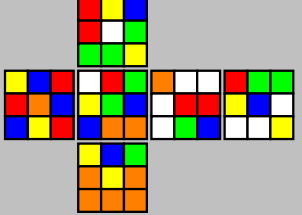
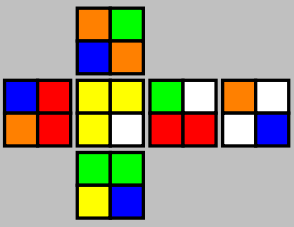
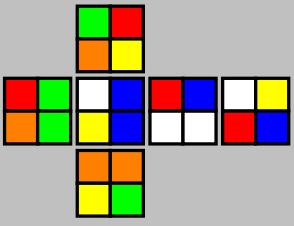
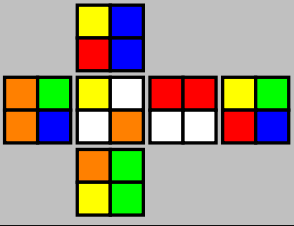
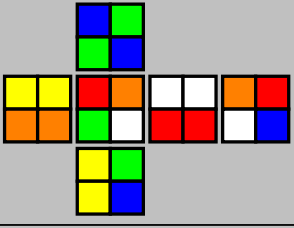
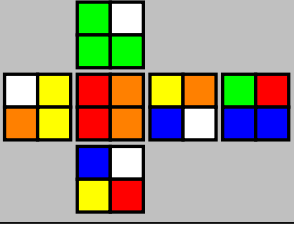
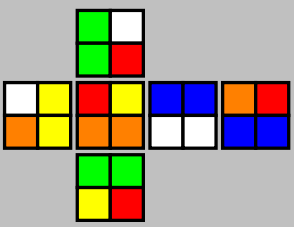
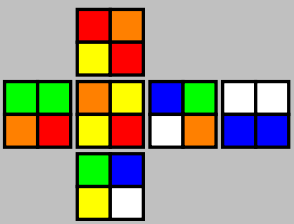
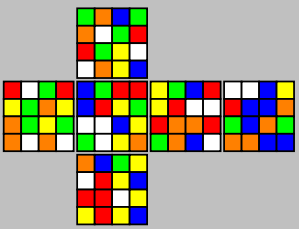
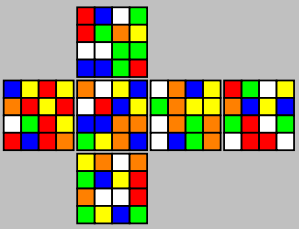
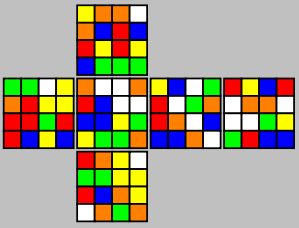
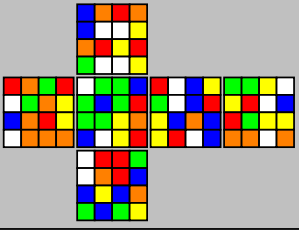
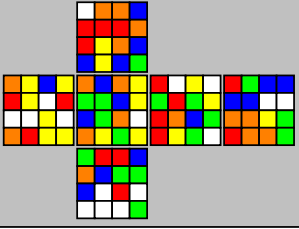
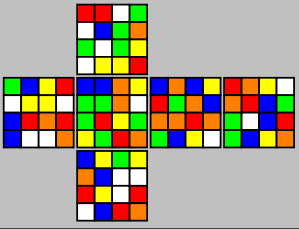
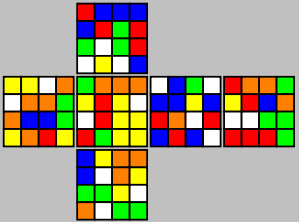


1.	F2 L D2 R U2 F2 U2 R D' U2 L R' D' U' R B' D U B'	
2.	R2 D2 R2 D F2 R D' B' U2 L U' R' B2 U2 B2 L D2 F2 R	
3.	F2 R U2 R2 D2 L' R2 U2 R F2 U2 F' R' U' F D2 L F R2 F	
4.	F' U F' D2 B' L F R' L' U2 D2 F L2 F R2 L2 B' R2 B	
5.	D F' L U L2 D R F L' F R2 L2 U' F2 U' D' F2 U' L2 B2	
Extra scrambles		
E1.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

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

2015/08/07

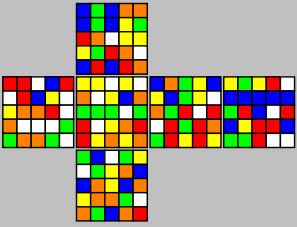
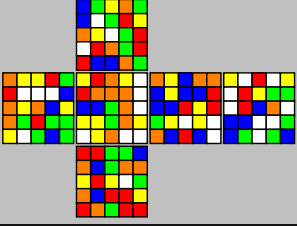
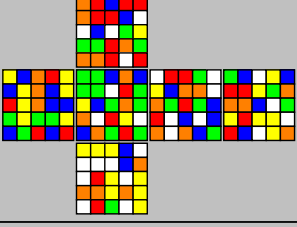
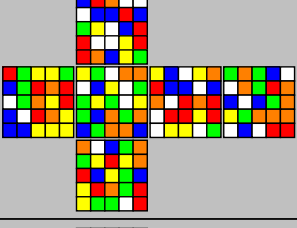
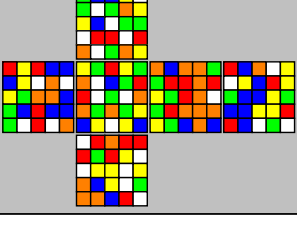
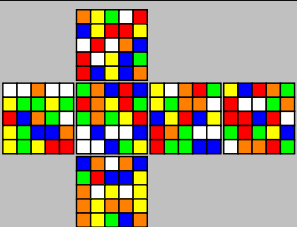
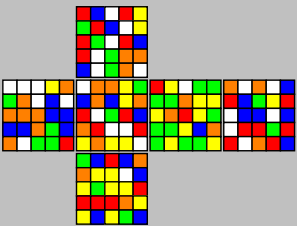
4x4x4 Cube Round 1  
NU\_CUBING\_08-23-2015

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

2015/08/07

# 5x5x5 Cube Round 1

## NU\_CUBING\_08-23-2015

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

2015/08/07

# 6x6x6 Cube Round 1

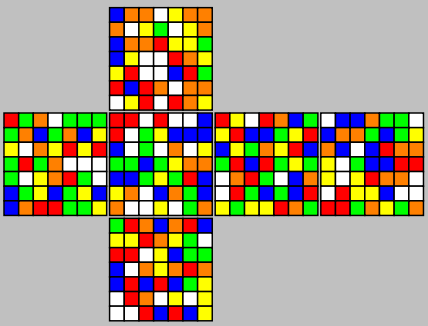
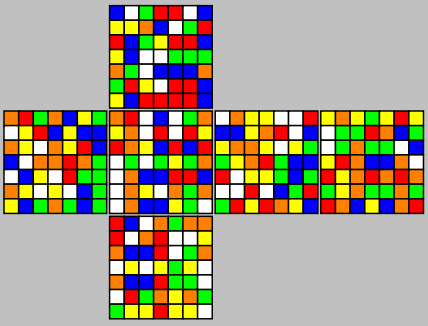
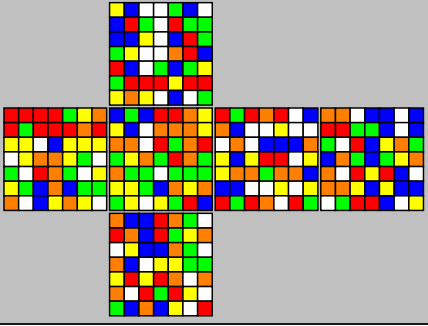
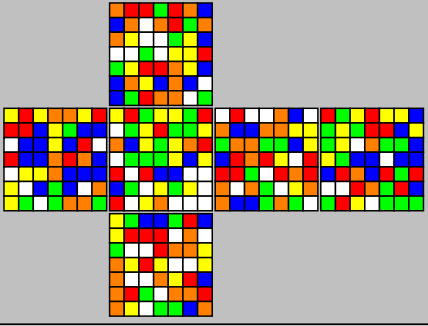
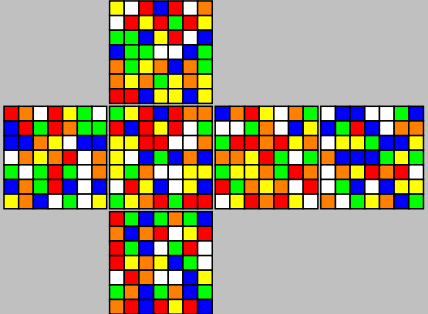
## NU\_CUBING\_08-23-2015

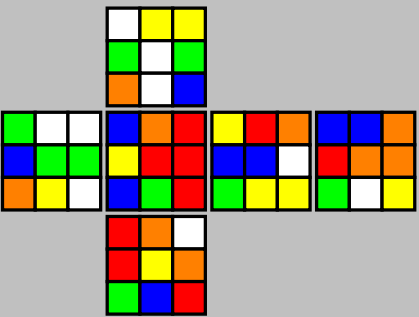
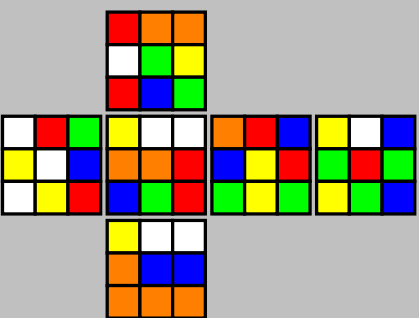
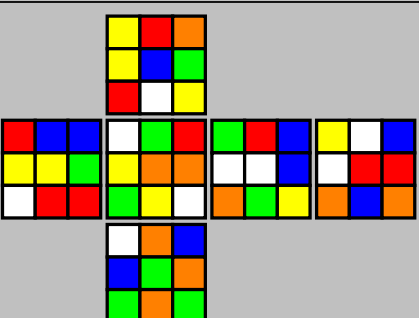
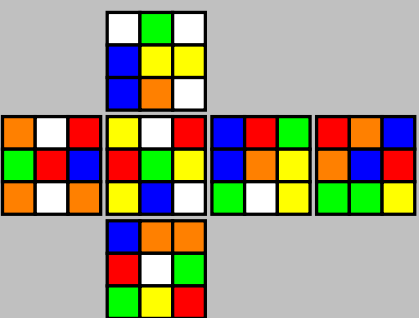
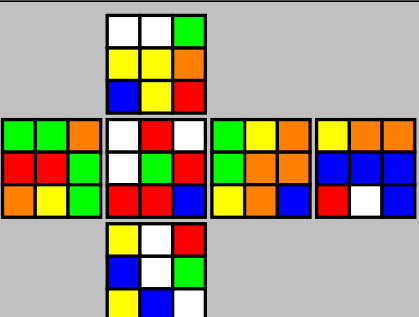
1.	3Fw' F' Lw2 F2 D2 Uw2 Lw' F2 3Rw'	
	3Uw2 3Rw' R' Dw' U2 L Uw2 R2 U'	
	Bw U' Dw2 Uw Bw2 3Rw' Rw2 R U'	
	Dw' Bw2 F' Lw Rw Uw Bw 3Rw Rw	
	R2 Bw2 L' U' D2 3Fw2 3Rw' 3Uw' R2	
	Rw Lw B2 Rw D' 3Fw' Rw2 3Uw2 B2	
	Uw R' 3Fw2 F' Dw 3Fw2 F2 L 3Uw2	
	Uw Fw B' Dw' R Lw2 Bw2 Dw2 D	
	R2 3Rw Bw F2 D2 U2 L2 3Rw	
2.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

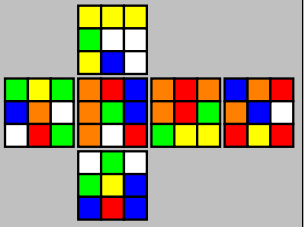
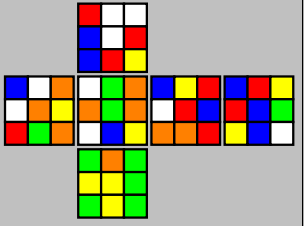
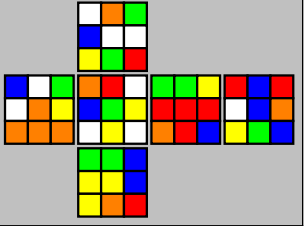
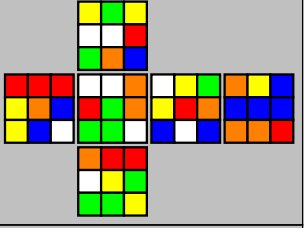
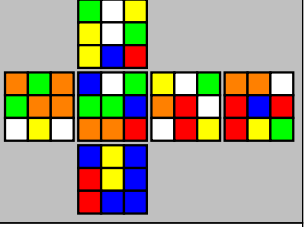
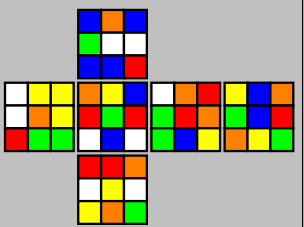
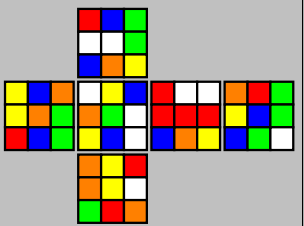
2015/08/07

# 7x7x7 Cube Round 1

## NU\_CUBING\_08-23-2015

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

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

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



NU\_CUBING\_08-23-2015  
3x3x3: Fewest Moves Round 1  
Scramble 1 of 3

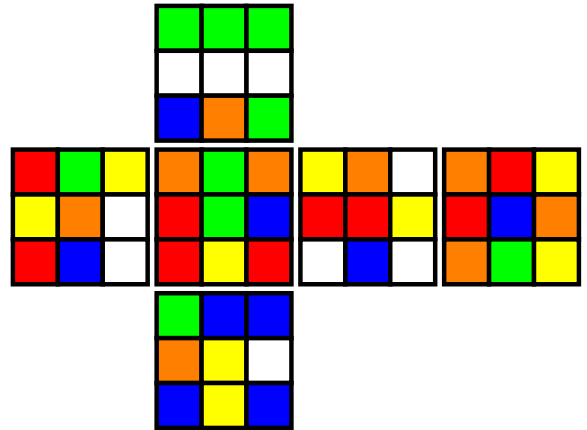
- Notate your solution by writing one move per bar.
  - To delete moves, clearly erase/blacken them.
  - Face moves F, B, R, L, U, and D are clockwise.
  - Rotations x, y, and z follow R, U, and F.
  - ' inverts a move; 2 doubles a move. (e.g.: U', U2)
  - w makes a face move into two layers. (e.g.: 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.

Competitor: \_\_\_\_\_

WCA ID: \_ \_ \_ \_ \_

DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: \_\_\_\_\_ Result: \_\_\_\_\_



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

[illegible]



## 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.

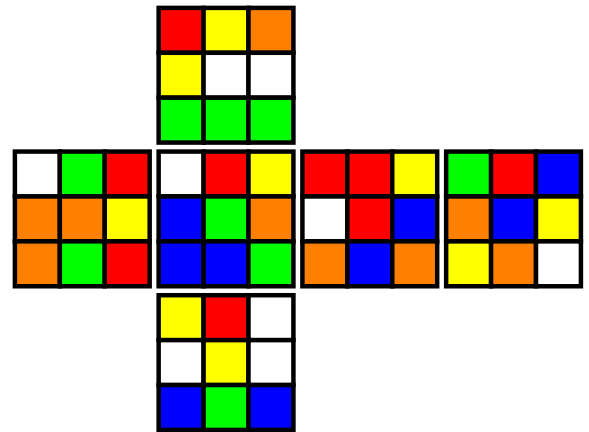
NU\_CUBING\_08-23-2015  
3x3x3: Fewest Moves Round 1  
Scramble 3 of 3

Competitor: \_\_\_\_\_

WCA ID: \_ \_ \_ \_ \_

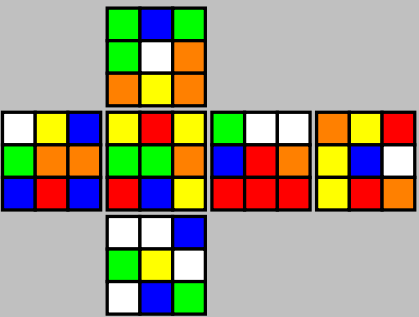
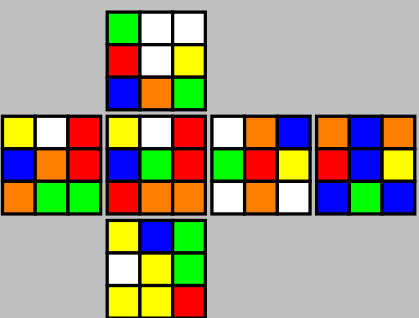
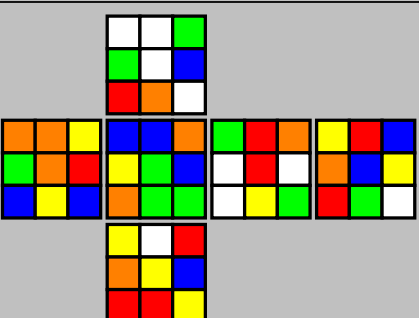
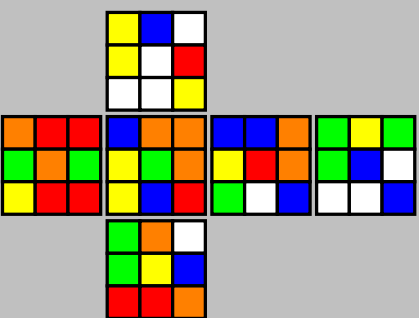
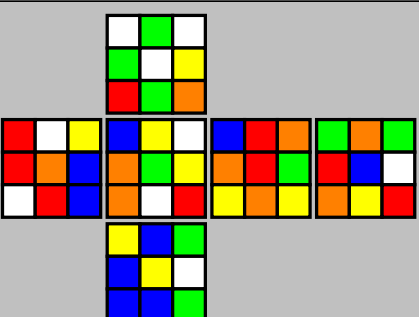
DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: \_\_\_\_\_ Result: \_\_\_\_\_



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

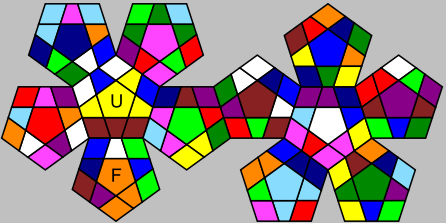
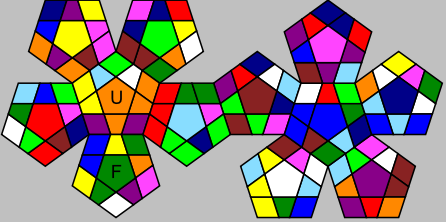
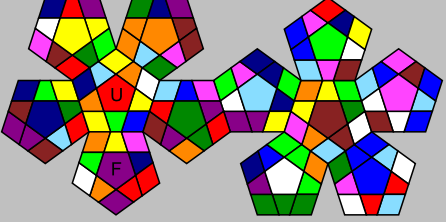
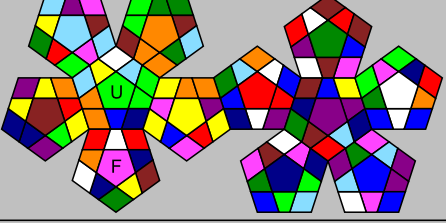
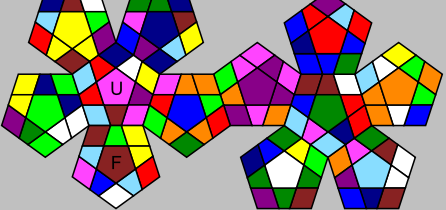
[illegible]

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

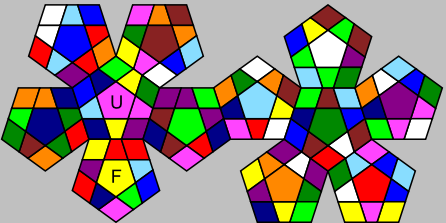
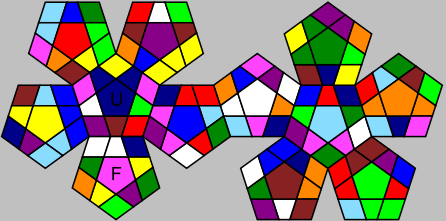
2015/08/07

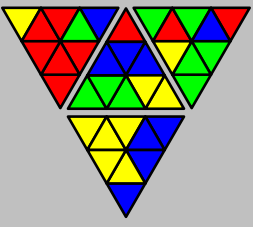
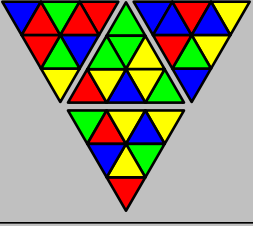
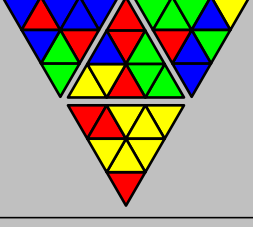
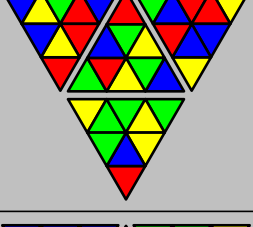
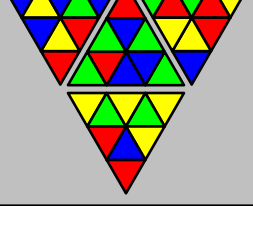
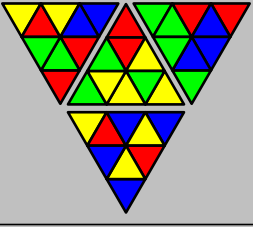
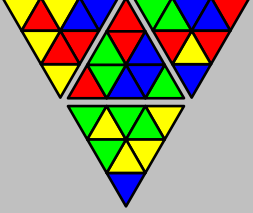
# Megaminx Round 1

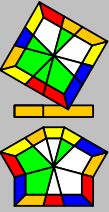
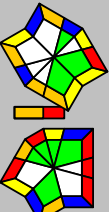
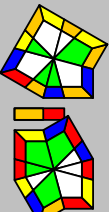
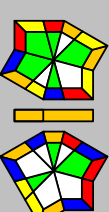
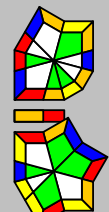
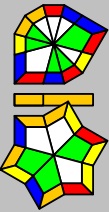
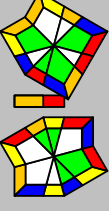
## NU\_CUBING\_08-23-2015

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

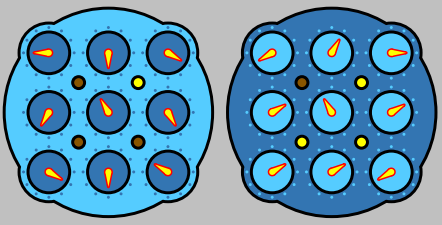
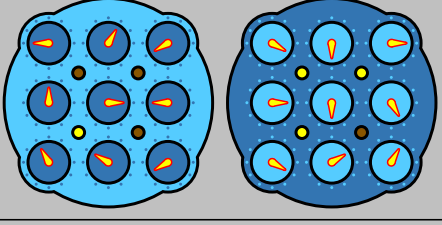
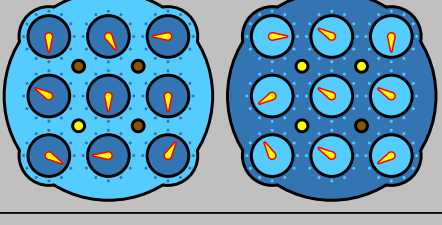
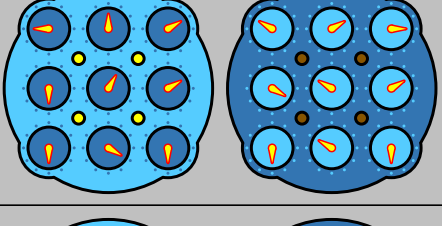
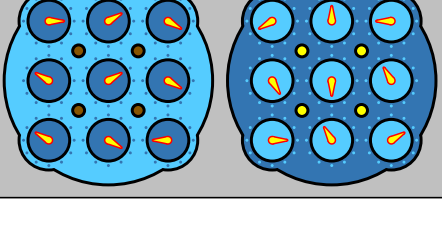
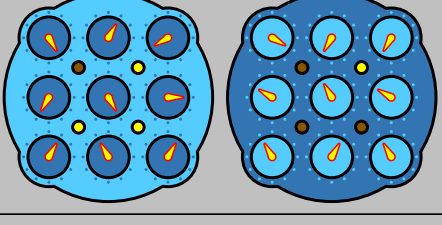
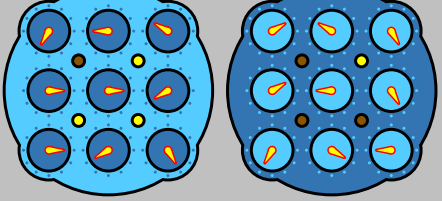
E1.	R++ D-- R++ D-- R++ D-- R++ D++ R-- D++ U R++ D-- R-- D-- R++ D-- R-- D-- R-- D++ U R++ D++ R++ D-- R++ D++ R++ D++ R++ D-- U' R-- D-- R++ D-- R++ D-- R-- D++ R-- D-- U' R-- D-- R++ D-- R-- D++ R++ D-- R++ D-- U' R-- D-- R-- D++ R-- D++ R-- D++ R-- D-- U' R++ D-- R++ D++ R++ D++ R++ D++ R++ D-- U'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

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

2015/08/07

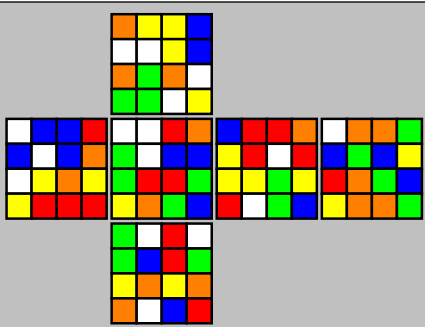
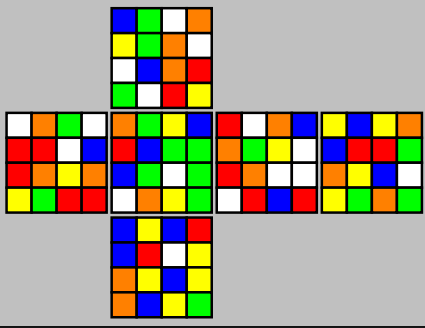
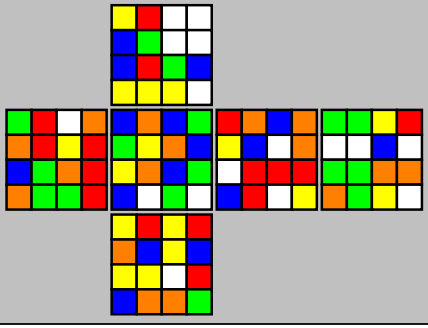
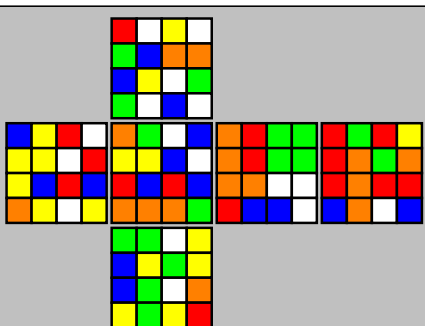
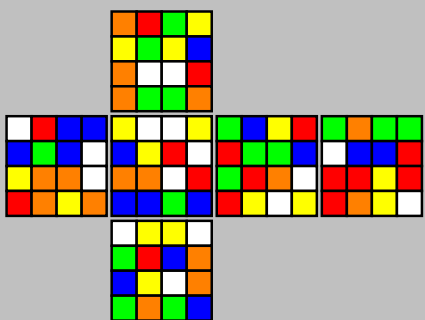
Rubik's Clock Round 1  
 NU\_CUBING\_08-23-2015

1.	UR3- DR4+ DL1+ UL5+ U5- R4- D5+ L3+ ALL5+ y2 U5+ R4+ D5+ L6+ ALL3+ UR	
2.	UR3- DR4- DL4- UL5- U0+ R2- D4- L2- ALL6+ y2 U5+ R3+ D2+ L6+ ALL1- DL	
3.	UR0+ DR0+ DL5+ UL1- U1+ R2+ D5- L4- ALL0+ y2 U3- R4- D1+ L0+ ALL0+ DL	
4.	UR5- DR3+ DL2+ UL1+ U4+ R4- D3+ L5+ ALL1+ y2 U3- R5- D1+ L1- ALL3- UR DR DL UL	
5.	UR1- DR1+ DL2+ UL2- U2- R1+ D3+ L5- ALL3- y2 U2- R4+ D0+ L2- ALL2+	
Extra scrambles		
E1.	UR4- DR3- DL4+ UL0+ U2+ R4- D3+ L3- ALL4+ y2 U6+ R2- D4+ L2+ ALL5- UR DR DL	
E2.	UR1- DR1+ DL4- UL5+ U1+ R5- D2+ L3+ ALL5- y2 U5- R0+ D6+ L5- ALL5- UR DR DL	



2015/08/07

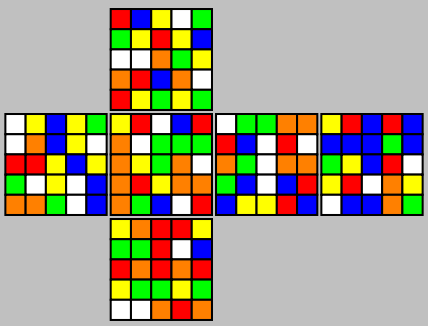
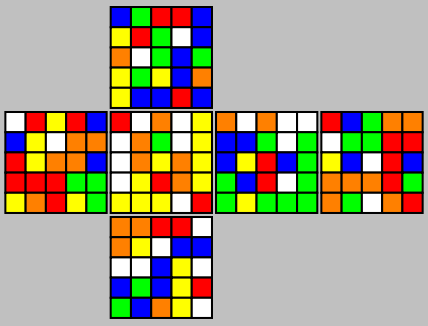
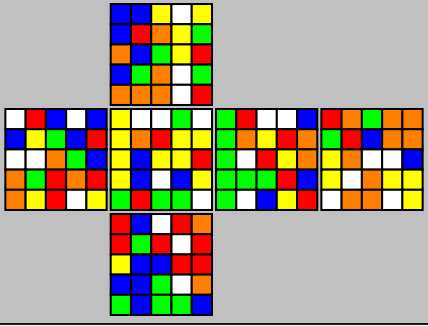
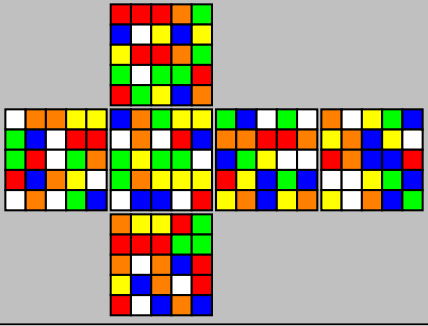
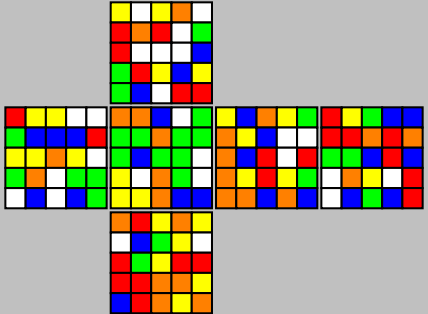
4x4x4 Cube: Blindfolded Round 1  
 NU\_CUBING\_08-23-2015

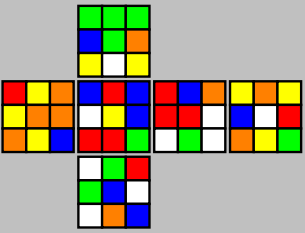
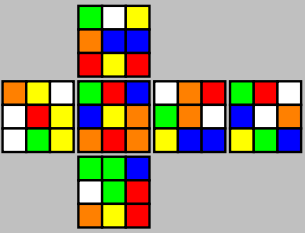
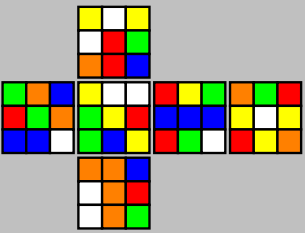
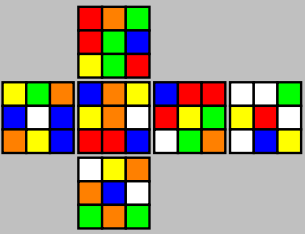
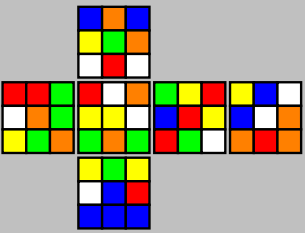
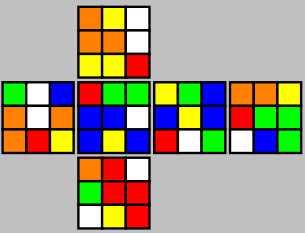
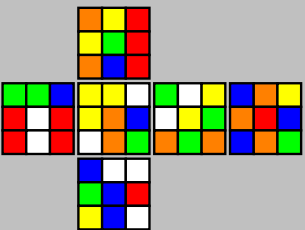
1.	B2 R2 D2 F2 D' L2 D' R2 F2 L2 B' D L' B2 F2 L B U2 R' Rw2 Uw2 B2 D R U' L' Fw2 B2 U' L' D Fw D' Rw2 F' D F' Rw' L2 Uw' Fw2 L D2 R' z y'	
2.	F' D2 L' B2 R' L2 F' R2 D B' D2 B' L2 U2 F2 L2 F2 L2 F' Rw2 Fw2 B L' Fw2 L' B D2 Fw2 Uw2 R2 F2 L Uw Rw2 L' Uw R' Rw' B2 Uw Fw' B2 D R' z	
3.	D' B2 U' F2 D2 B2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

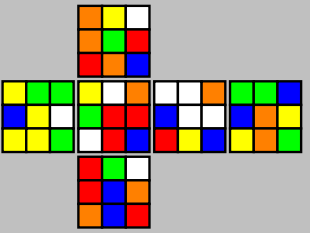
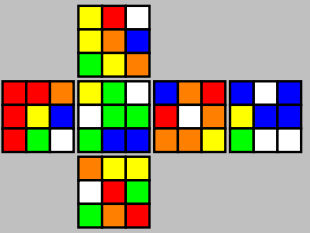
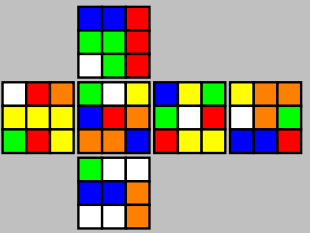
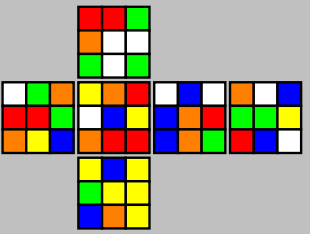
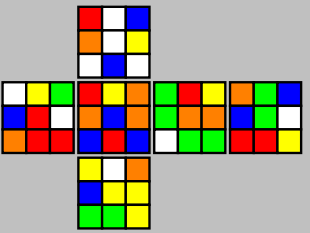
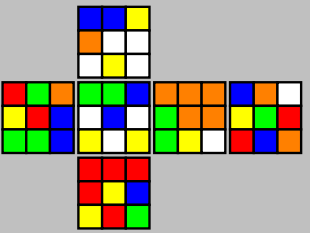
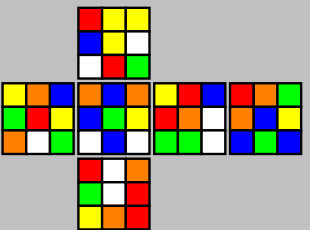
2015/08/07

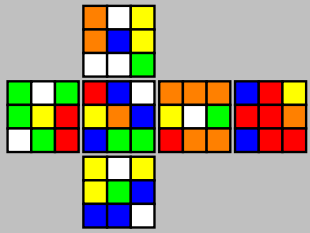
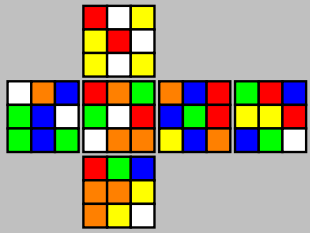
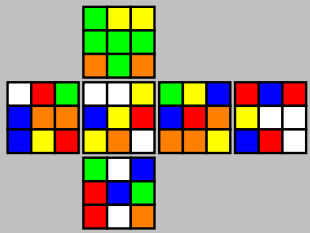
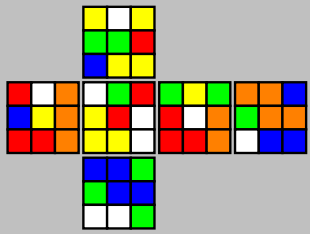
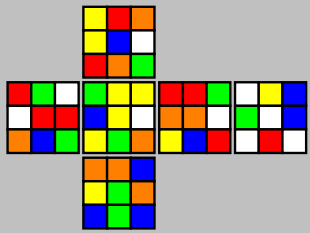
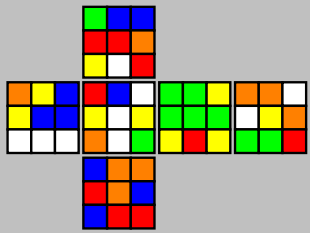
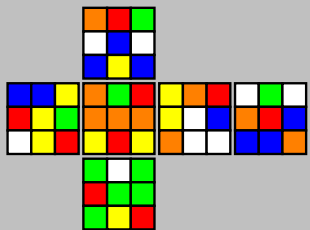
# 5x5x5 Cube: Blindfolded Round 1

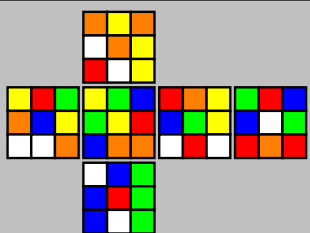
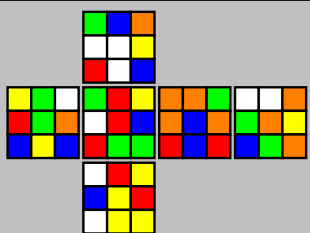
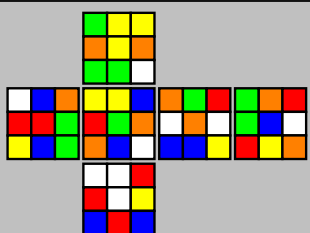
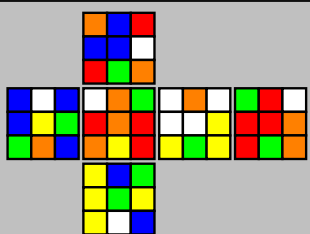
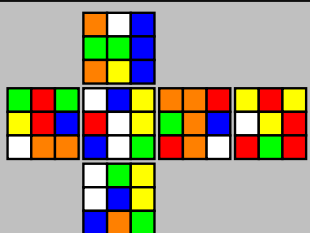
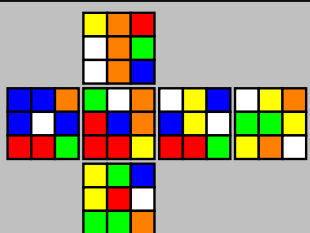
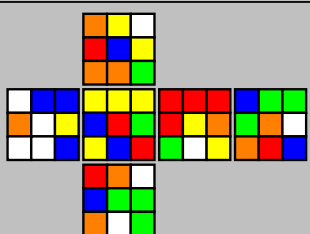
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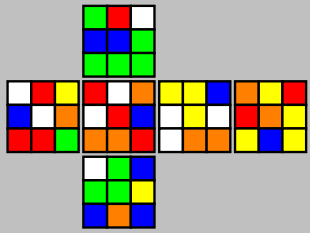
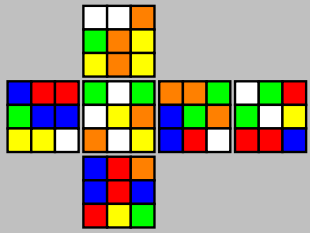
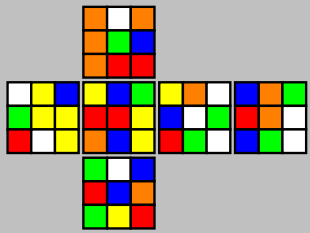
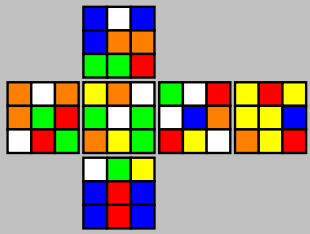
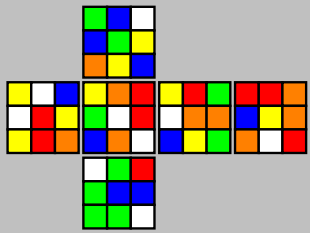
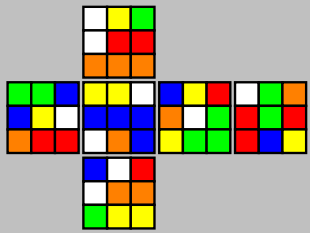
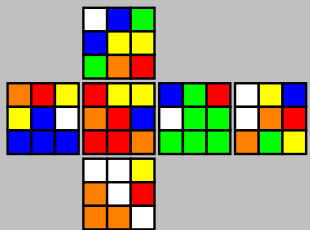
1.	L Uw2 R2 Bw2 Dw' Lw' Rw L D' Fw' R U2 Rw2 F2 Fw' L' U' L2 U' D' B2 Rw2 Lw2 Dw2 B Lw2 L' U Dw2 Rw' Uw2 U2 Lw2 Bw F' Fw' Rw Fw2 Uw2 R Dw' Lw Rw2 B2 Rw Lw B Uw' Lw U' B' Dw R2 Fw Uw' Dw2 Rw' Bw Uw' 3Fw	
2.	Fw2 L U' B' L Lw Rw' B2 Dw Lw' D2 Rw F2 Bw Fw Rw' F2 D' Uw2 Lw Bw F' Fw Rw Dw' F' L B' Dw2 U2 Uw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

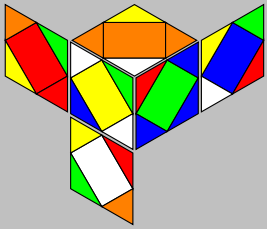
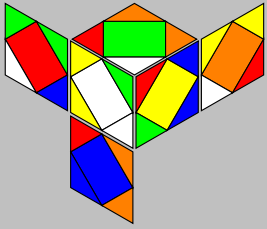
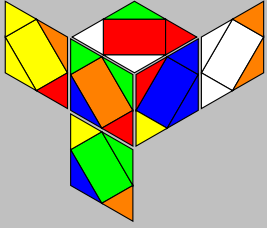
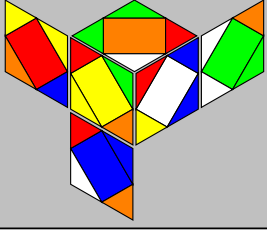
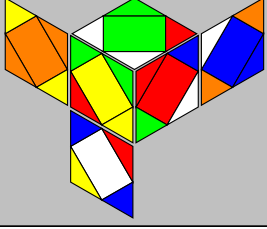
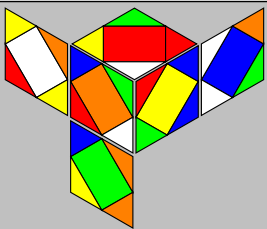
1.	L2 B' R2 F' L2 U2 F2 D2 R2 B' U' B' D2 U2 L' F2 L2 B F R F Rw	
2.	F2 L2 D2 F2 U2 R2 D2 L' R' D' F L' B' L2 U' L' F R F U' Rw' Uw2	
3.	L2 D' L2 D' F2 L2 R2 D R2 U' B' R' B2 L B' U' F L2 D' L U Fw' Uw	
4.	F2 D2 R' F2 L' U2 L' B2 R' U2 R2 D L B U' R F D F2 L U2 Rw Uw'	
5.	F2 D' R2 U F2 D' L2 F2 R2 B2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

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

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

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

29.	F' U2 F2 L2 F' R2 F' L2 U2 F' D2 U' L2 F2 U' F' R B' D L' D Rw' Uw	
30.	D' L2 D' B2 L2 B2 F2 D2 R' B D R' B2 U L' B2 U F' R Fw Uw'	
31.	B2 D2 R U2 F2 L2 B2 R D2 F' U B U2 L' F2 D2 R' B' L D' Rw Uw	
32.	D2 F2 D U2 L2 U' L2 F2 R U L2 B L D R B F2 R F2 L2 Fw Uw	
33.	D2 B2 D2 R U2 R D2 B R F' R' F U2 F' R2 D' B' D' Rw Uw2	
34.	L' B2 U2 L' B2 L' R' F2 D' R' B' F' L F' L' F' D' L2 Fw' Uw2	
35.	F2 R2 B' L2 B' U2 F' L' B' F2 R' F' L R' U' L2 D F' Rw2 Uw	

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