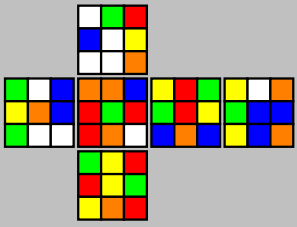
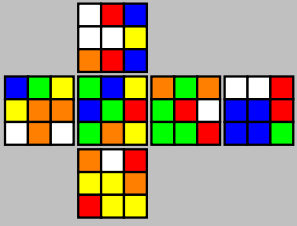
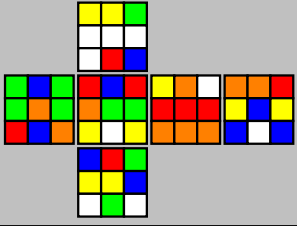
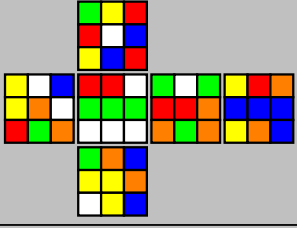
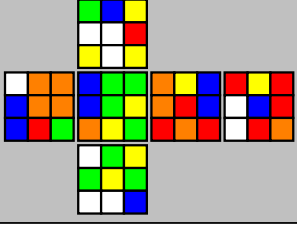
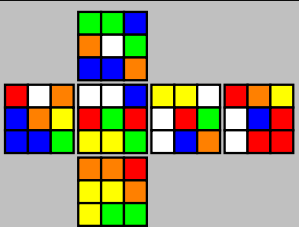
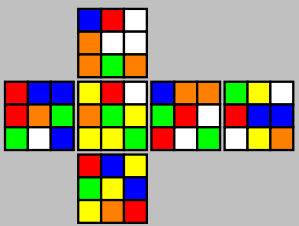
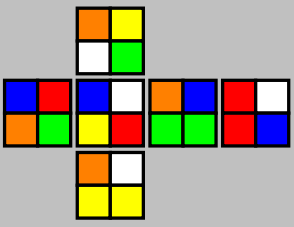
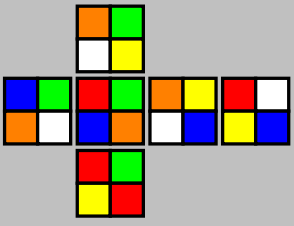
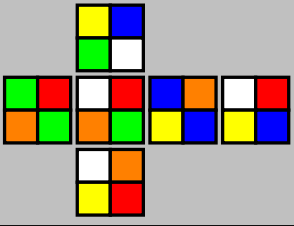
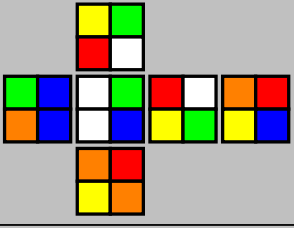
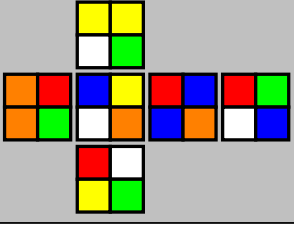
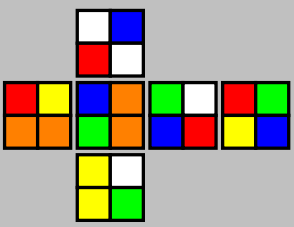
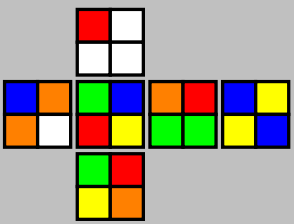
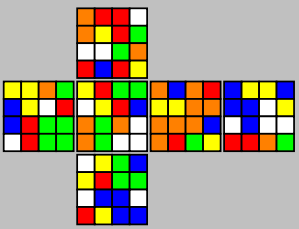
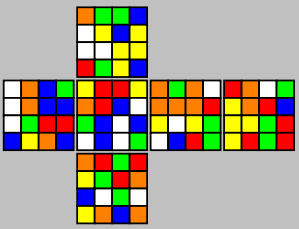
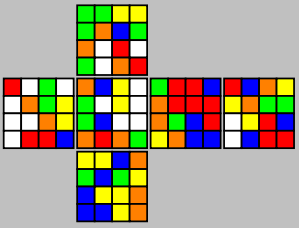
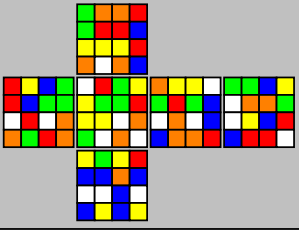
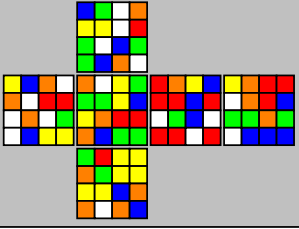
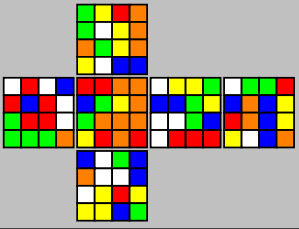
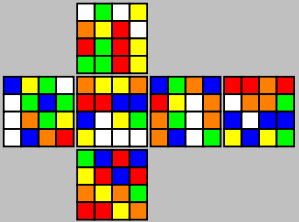


1.	D2 B' D L2 F' L' F2 D R' D2 F' D' R2 F2 D' B2 R2 F2 U	
2.	L2 B2 D' R2 U L2 F2 R2 D2 F R' F' R U' L2 B' U R2 B2 U2	
3.	L2 F2 D' B2 L2 F2 U2 R2 D' F R' B2 L D R' D2 F R2 F2 R	
4.	B2 L' F2 R2 D2 L D2 U2 R' U' F' R' B R' D L2 R2 F2 R2 B'	
5.	D' R2 B2 R2 D2 L2 D L2 U2 F2 U L U2 B U' B2 L' R2 D R	
Extra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

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

2015/08/07

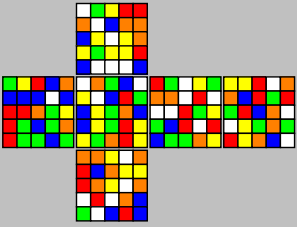
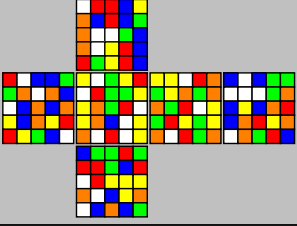
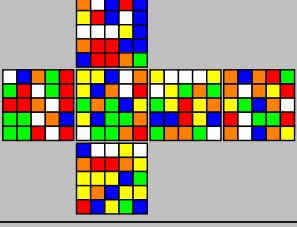
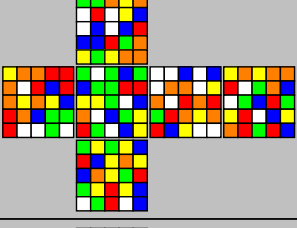
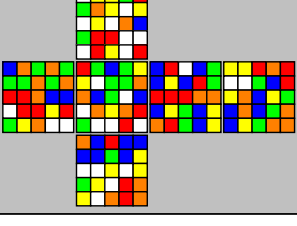
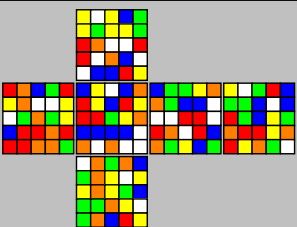
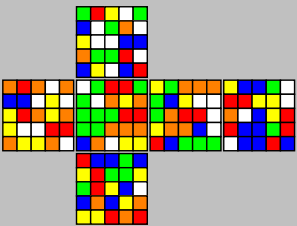
4x4x4 Cube Round 1  
NU\_CUBING\_09-27-2015

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

2015/08/07

# 5x5x5 Cube Round 1

## NU\_CUBING\_09-27-2015

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

2015/08/07

# 6x6x6 Cube Round 1

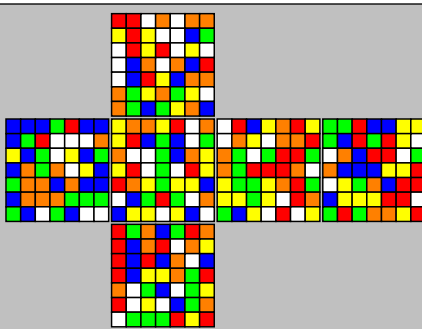
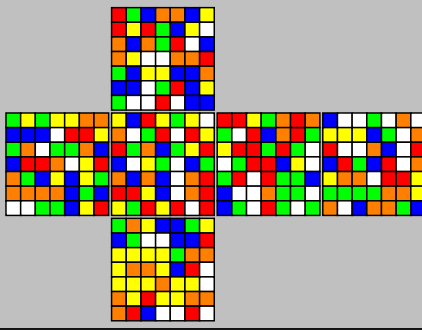
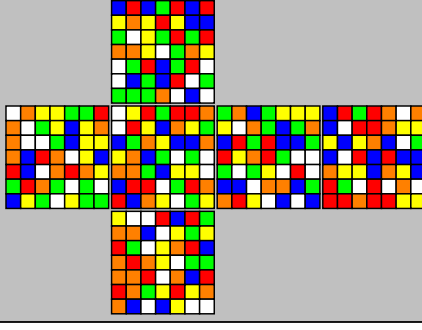
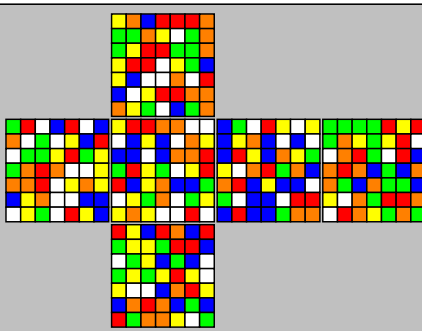
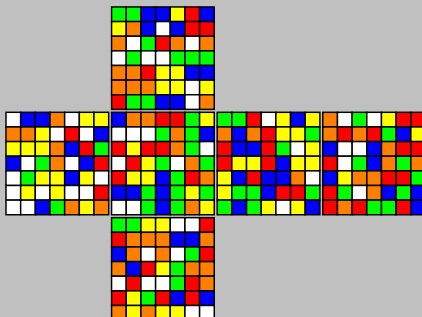
## NU\_CUBING\_09-27-2015

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

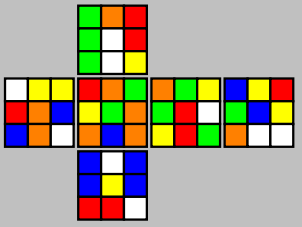
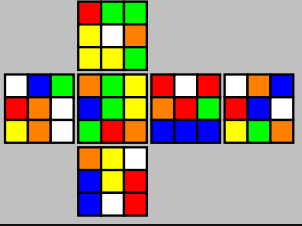
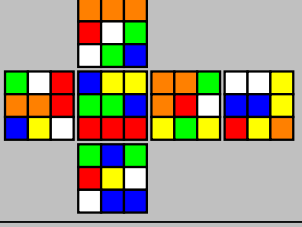
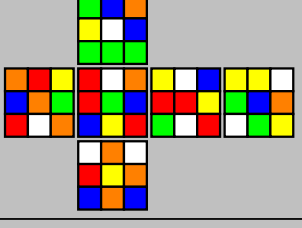
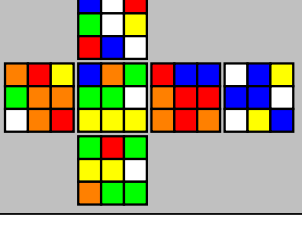
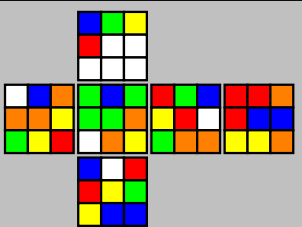
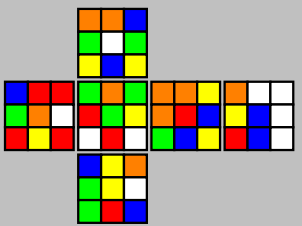
2015/08/07

# 7x7x7 Cube Round 1

## NU\_CUBING\_09-27-2015

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

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

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



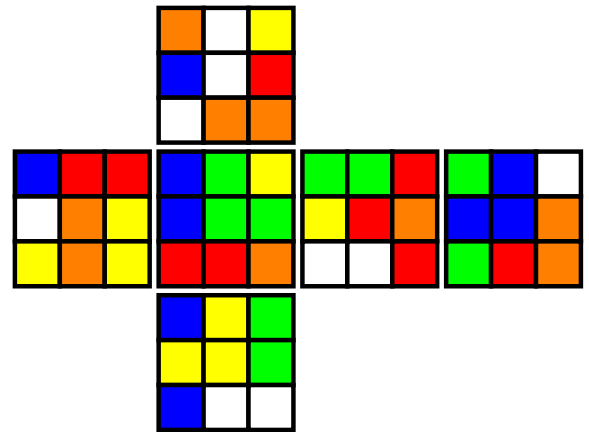
NU\_CUBING\_09-27-2015  
3x3x3: Fewest Moves Round 1  
Scramble 1 of 3

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

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

DO NOT FILL IF YOU ARE THE COMPETITOR

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



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

[illegible]



NU\_CUBING\_09-27-2015  
3x3x3: Fewest Moves Round 1  
Scramble 3 of 3

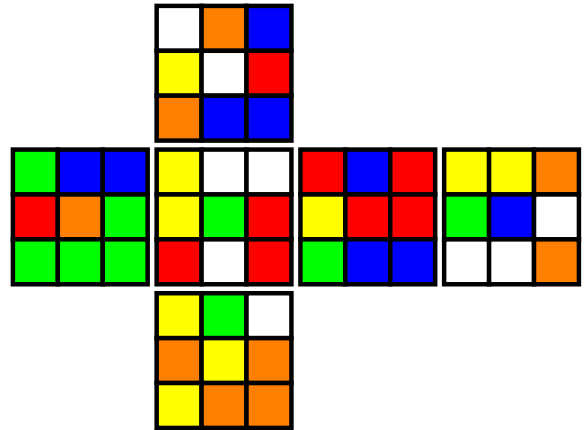
- Notate your solution by writing one move per bar.
  - To delete moves, clearly erase/blacken them.
  - Face moves F, B, R, L, U, and D are clockwise.
  - Rotations x, y, and z follow R, U, and F.
  - ' inverts a move; 2 doubles a move. (e.g.: U', U2)
  - w makes a face move into two layers. (e.g.: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

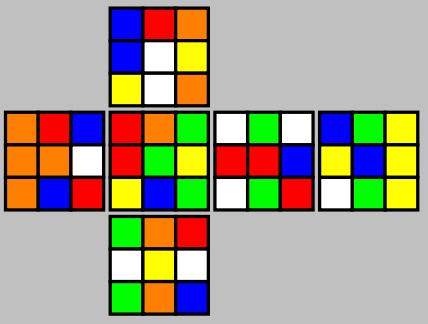
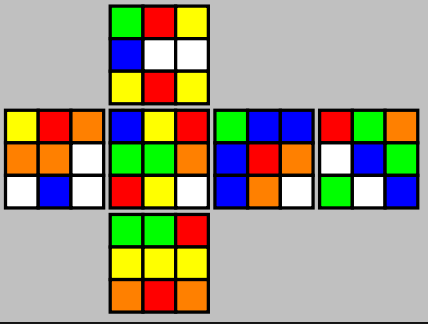
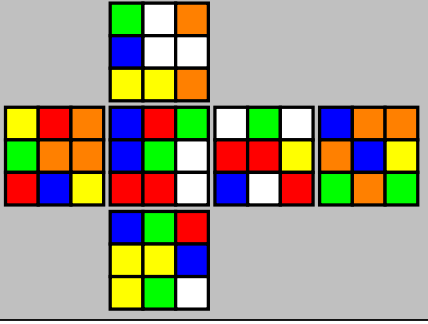
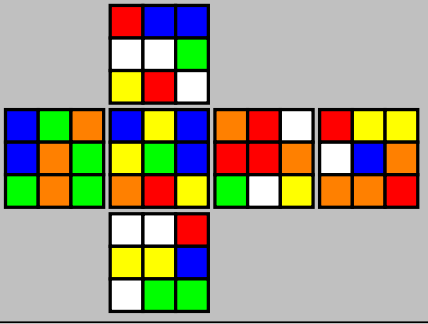
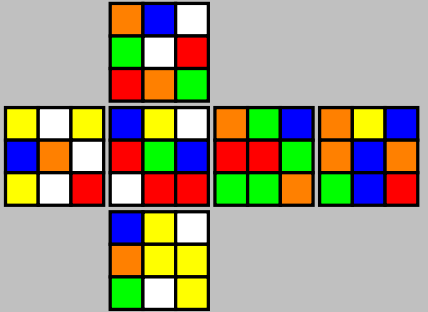
DO NOT FILL IF YOU ARE THE COMPETITOR

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



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

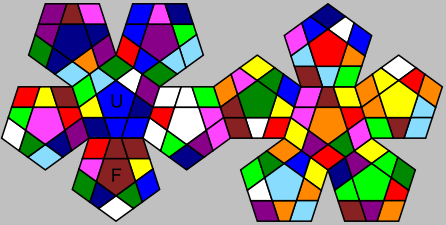
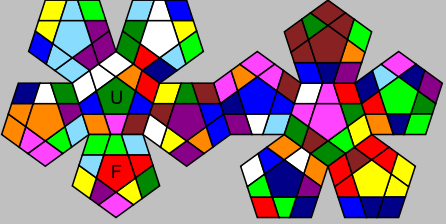
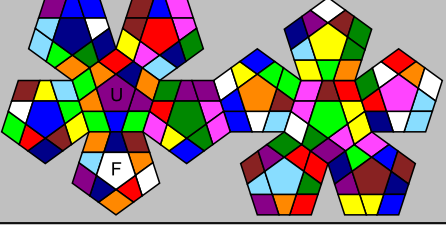
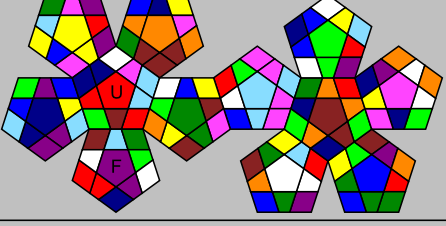
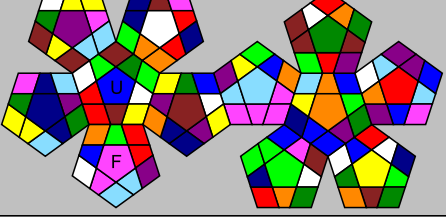
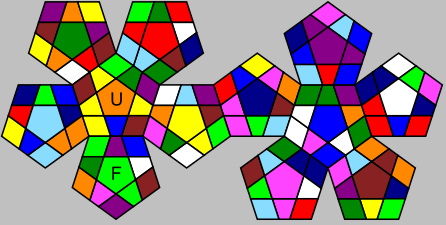
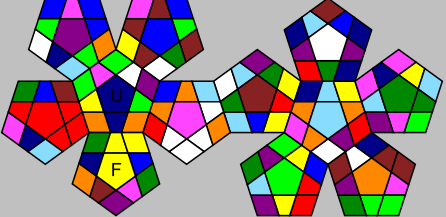
A full-page view of a blank sheet of graph paper. The paper has a light gray background and a grid of thin, dark gray horizontal and vertical lines. The grid consists of 10 columns and 8 rows of squares. The lines are evenly spaced and extend across the entire page, leaving small margins at the top, bottom, left, and right edges.

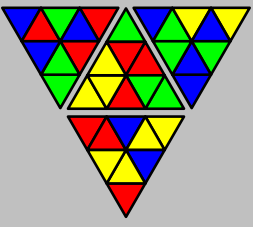
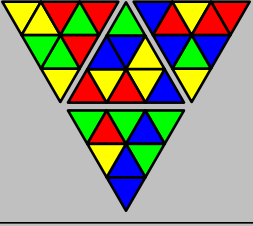
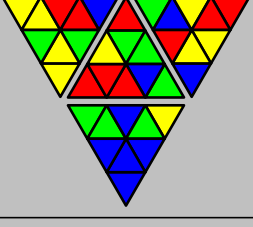
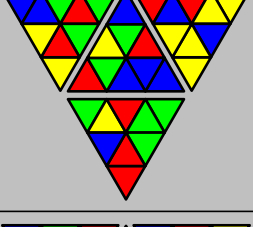
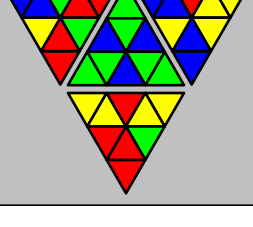
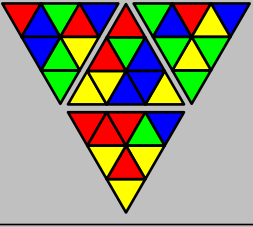
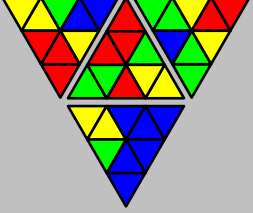
1.	R2 B2 R2 D2 F' R2 D2 U2 B' R2 D F R2 U2 R B D B D' U2	
2.	F' L2 B' R2 D2 L2 D2 U2 B R' D' F2 U2 F2 R' F' R' D' B' R'	
3.	U B2 L2 D2 B2 L2 U' L2 D' R U' L D U2 F U2 F L U R2	
Extra scrambles		
E1.	B2 U' L' U D2 B2 L U D2 B R2 L2 B2 U2 B2 L' D2 R' L'	
E2.	L2 B' D2 B F2 D2 F U2 L2 D' L F U B' F2 D' L'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

2015/08/07

# Megaminx Round 1


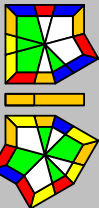
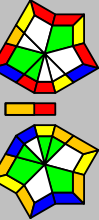

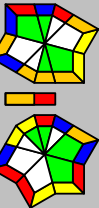
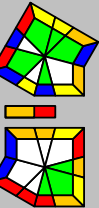
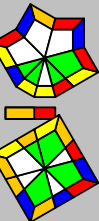
## NU\_CUBING\_09-27-2015

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

2015/08/07

Square-1 Round 1  
NU\_CUBING\_09-27-2015

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

2015/08/07

Rubik's Clock Round 1  
 NU\_CUBING\_09-27-2015

1.	UR3+ DR0+ DL1+ UL4+ U1+ R4- D2- L5- ALL6+ y2 U3+ R2- D0+ L1+ ALL4- UL	
2.	UR1+ DR0+ DL6+ UL5- U1+ R1+ D2- L2+ ALL3+ y2 U3+ R4- D4- L2+ ALL2+ UR DL	
3.	UR3+ DR2+ DL2- UL2- U4+ R4+ D1+ L1- ALL6+ y2 U3- R2- D5- L4+ ALL1- UR DL UL	
4.	UR3- DR1- DL1+ UL4- U2- R5+ D5+ L0+ ALL3+ y2 U2+ R2- D1- L4+ ALL3- DL	
5.	UR6+ DR3- DL3- UL3+ U3+ R1- D1+ L2+ ALL5- y2 U2- R1- D4+ L6+ ALL6+ UR DR UL	
Extra scrambles		
E1.	UR6+ DR4+ DL1- UL1- U0+ R5+ D2+ L4- ALL3- y2 U1+ R3+ D2+ L6+ ALL2+ UR DR DL UL	
E2.	UR5- DR5- DL2- UL2+ U3+ R4- D1+ L0+ ALL0+ y2 U4+ R3+ D2- L3- ALL3- DR DL	



2015/08/07

4x4x4 Cube: Blindfolded Round 1  
 NU\_CUBING\_09-27-2015

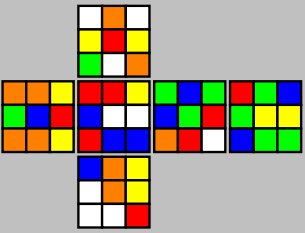
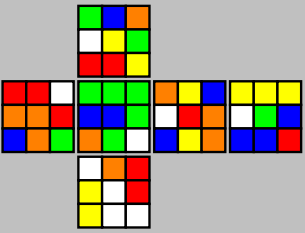
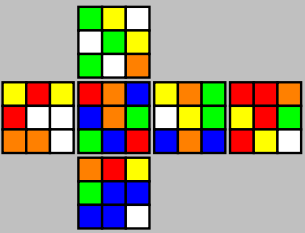
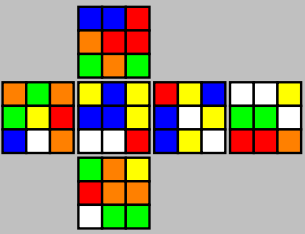
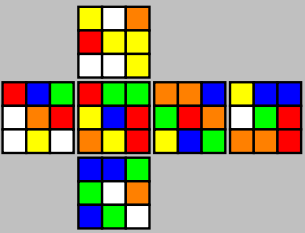
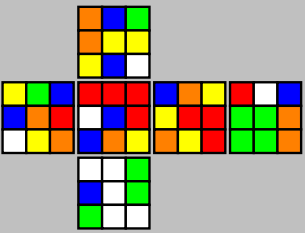
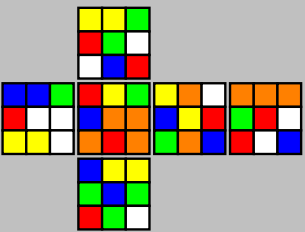
1.	D2	R2	F2	L2	F2	B	U2	R2
	B2	L2	F'	U	B'	R	L'	D'
	F	L	F2	U2	L2	Uw2	R'	Uw2
	L2	B'	Uw2	D2	L	F2	R	U2
	F	R2	Uw'	F2	Rw2	L2	B'	D
	F2	Rw	Fw2	U'	D'	Rw	Fw'	F'
	x	y'						
2.	F2	D2	R2	F2	B'	U2	B'	D2
	U'	F2	L'	B	L	B'	R	L
	D'	B'	D'	Uw2	R'	B'	Uw2	B
	Rw2	B'	D2	B'	L2	D2	Uw'	B
	Uw2	F	R2	U'	Rw	Fw	Rw	Uw'
	R'	Fw'	F	z'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

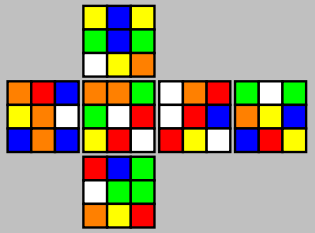
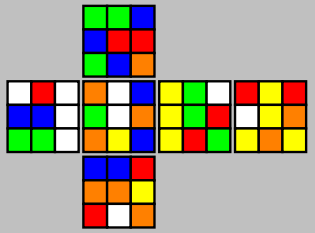
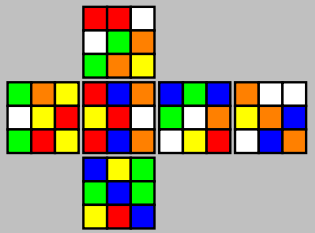
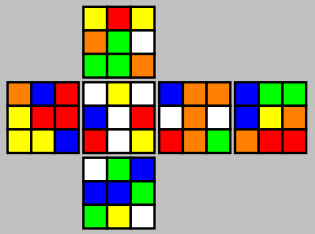
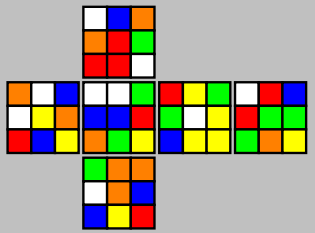
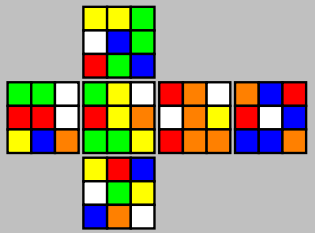
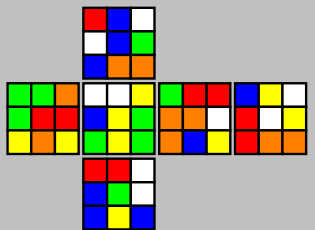
2015/08/07

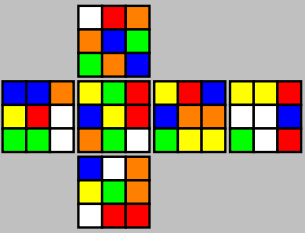
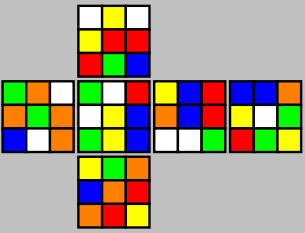
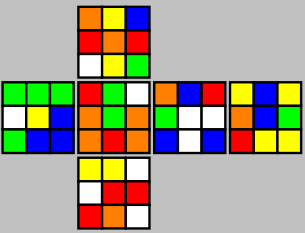
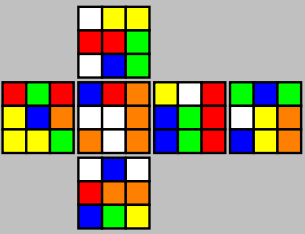
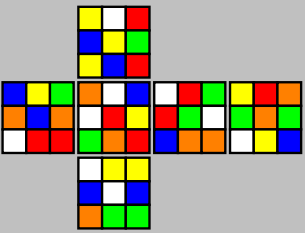
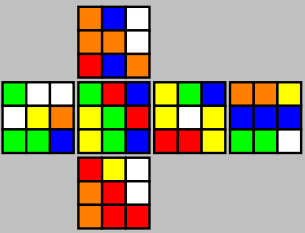
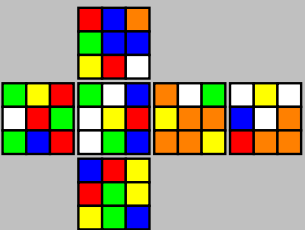
# 5x5x5 Cube: Blindfolded Round 1

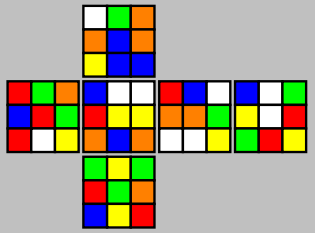
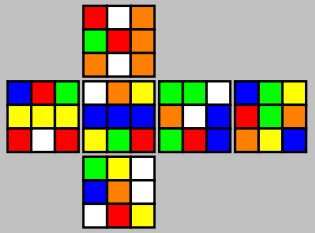
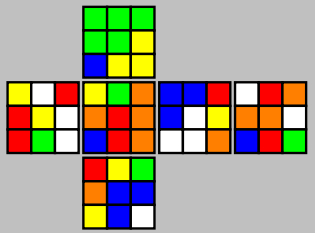
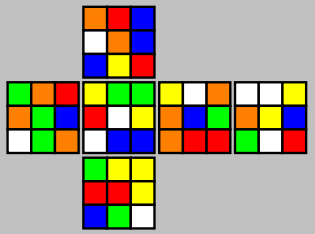
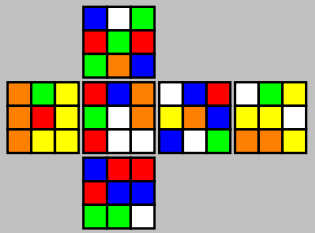
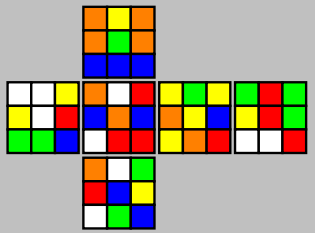
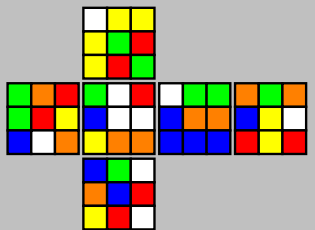
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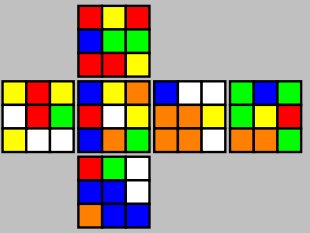
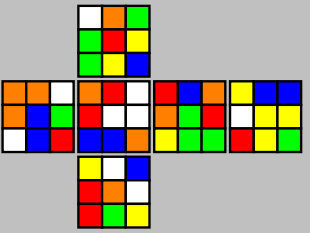
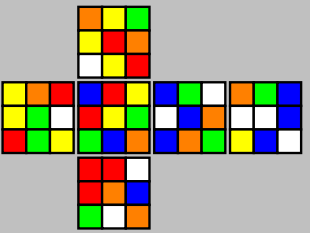
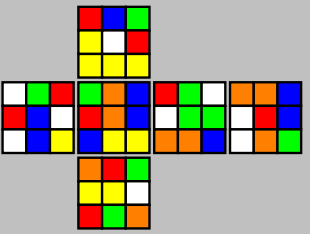
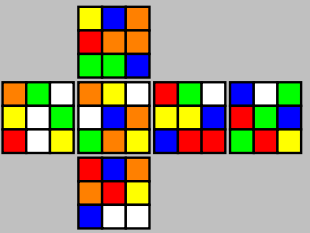
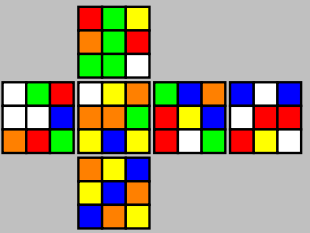
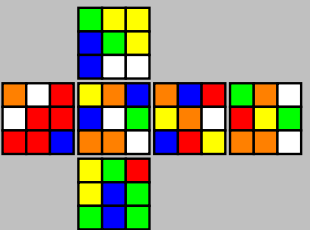
1.	U2	F'	Dw	B2	D'	L2	U	B
	Uw'	Lw	Fw2	Dw	Fw'	B'	R	D2
	Uw	Fw'	U2	R	L'	F'	Lw'	Rw2
	L'	U	B2	U2	Bw'	F2	B'	Rw'
	L2	F2	Dw	L	Lw2	B	Dw	Bw'
	F'	L2	F'	U2	Lw2	Rw	L	F'
	U'	B2	Uw	D'	U'	Rw	D	Fw
	U'	Uw'	R	L2	3Rw	3Uw2		
2.	Dw2	Uw	F'	U	F'	Uw2	L	B2
	R	Uw2	U2	Lw'	B2	F'	Rw	L2
	B	R	B	Uw'	Dw'	Bw'	Uw	Fw2
	D	R2	Rw	F'	Uw2	R'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

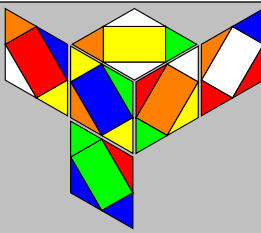
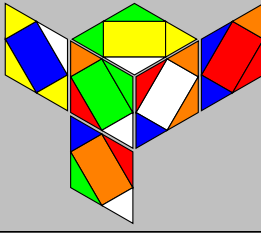
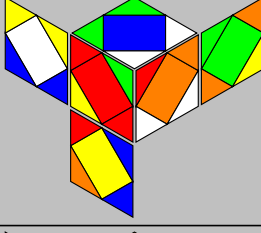
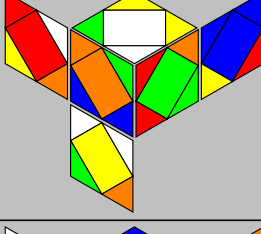
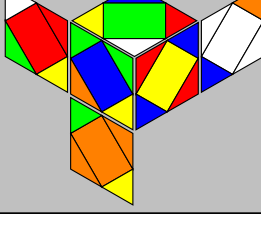
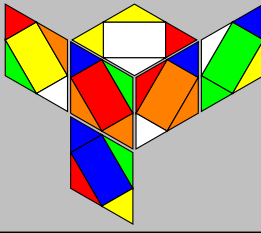
1.	D2 L' D2 R F2 L2 F2 L2 U' B L2 F2 R2 U2 L2 D' B' D2 U' Fw' Uw'	
2.	F R2 B' L2 U2 L2 U2 B' R2 B L B R F2 R' F2 D L2 D U2 Rw2	
3.	F2 R2 D U' F2 R2 U L' B R2 B' U' B L' R' F2 R2 D2 U Rw Uw'	
4.	D B2 D L2 R2 B2 U2 B' R2 B R' U' F2 L' D' L U L' R2 Fw' Uw2	
5.	R' B2 L D2 R D2 R U2 L' B' R2 F R D B L' D L2 U' F2 Rw2	
6.	B2 R2 B' D2 B F2 R2 B R2 F' U L U2 F' U2 L2 D' U2 R' D B' Rw2	
7.	B F' L2 D2 B2 D2 F' R' D2 R' F' D R B2 R' B L U2 F2 Rw Uw'	

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

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

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

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

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