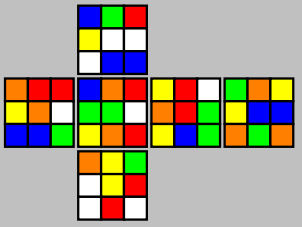
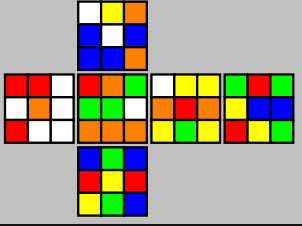
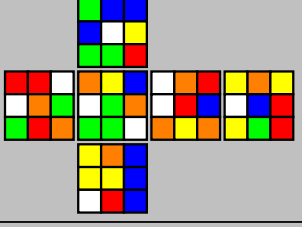
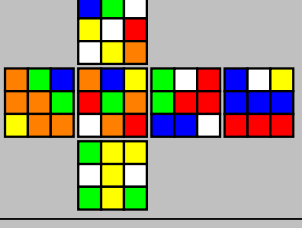
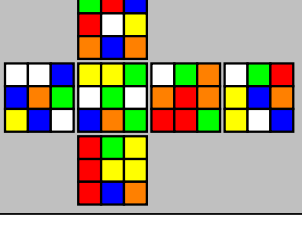
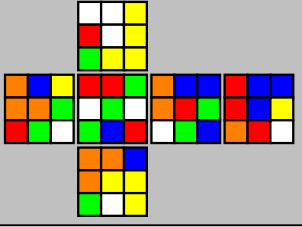
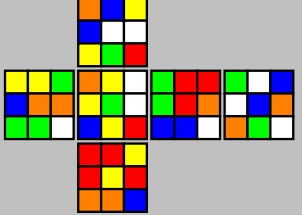
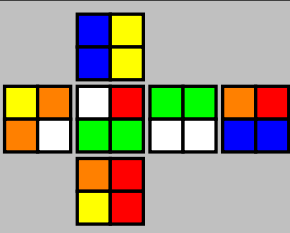
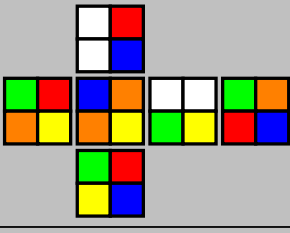
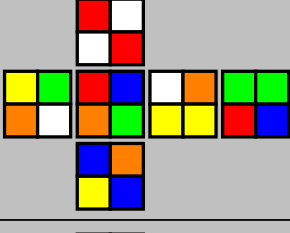
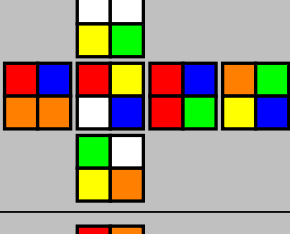
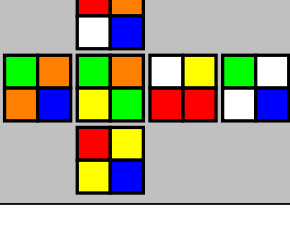
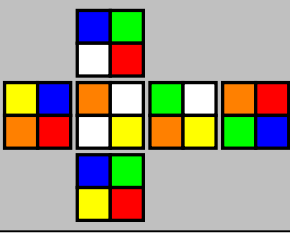
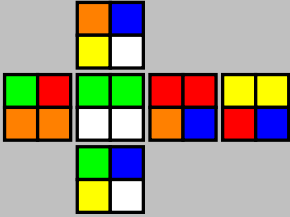
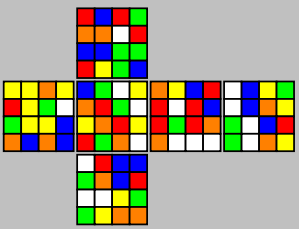
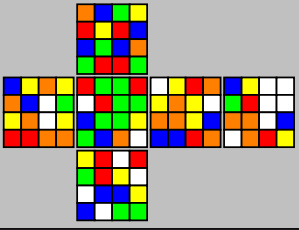
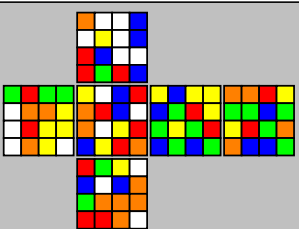
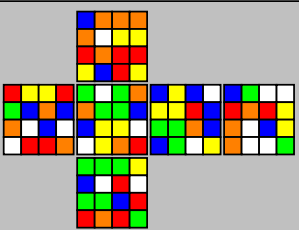


1.	U2 L2 F' L2 F2 L2 U2 L2 B' R2 F R D' R' F2 D' U R U	
2.	D B2 U2 B2 U R2 U' B D' F2 D2 L B2 R2 F' L2 R D'	
3.	L2 U F2 B R B' L2 U' D2 R D2 B' R2 B R2 U2 F B L2 F2	
4.	B2 L' U2 L2 R D2 B2 U2 B' L2 B' R' B D2 R2 D' L' U F'	
5.	L2 B2 U2 L2 D L2 B F U' R U B D L' B' D B2 R	
Extra scrambles		
E1.	B2 R2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

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

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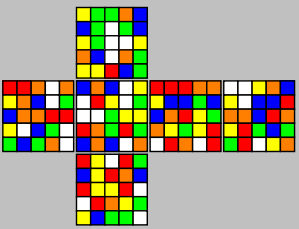
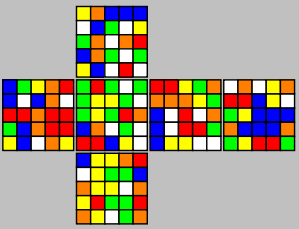
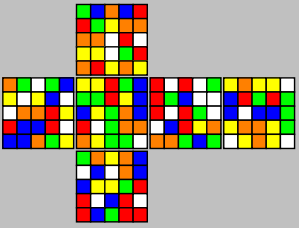
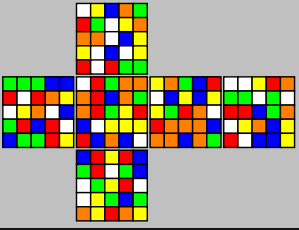
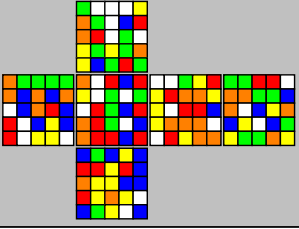
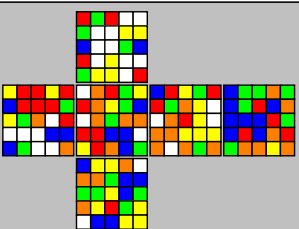
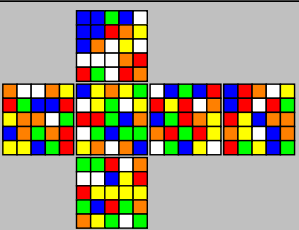
4x4x4 Cube Round 1  
 NU\_CUBING\_08-09-2015

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

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# 5x5x5 Cube Round 1

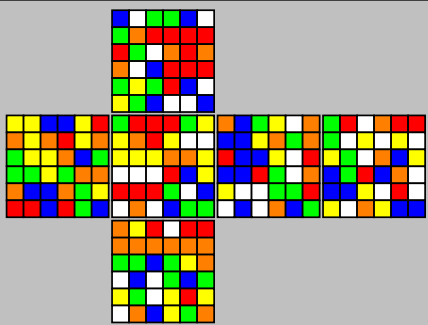
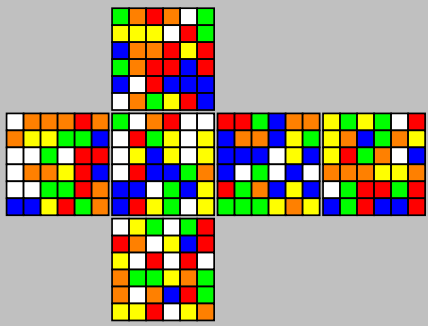
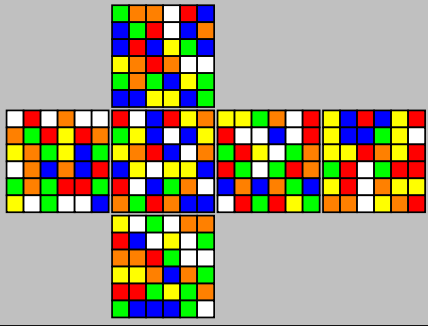
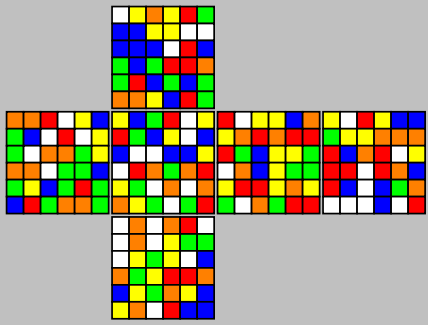
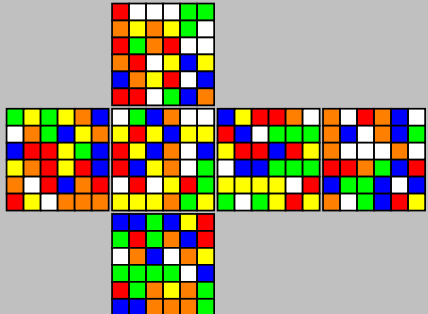
## NU\_CUBING\_08-09-2015

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

2015/08/07

# 6x6x6 Cube Round 1

## NU\_CUBING\_08-09-2015

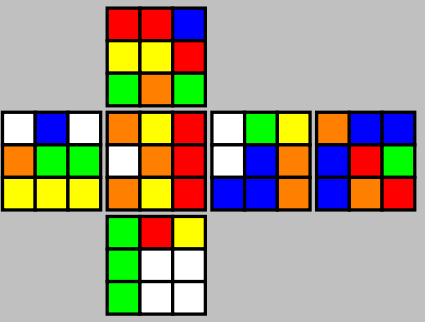
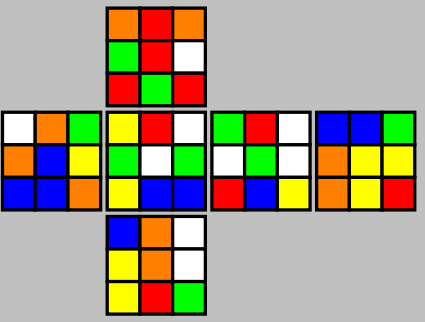
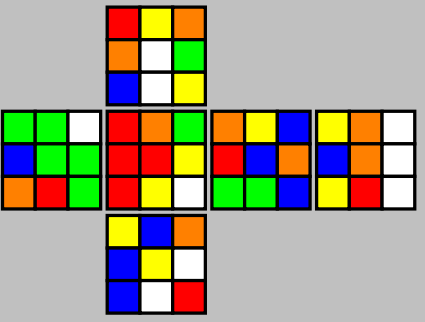
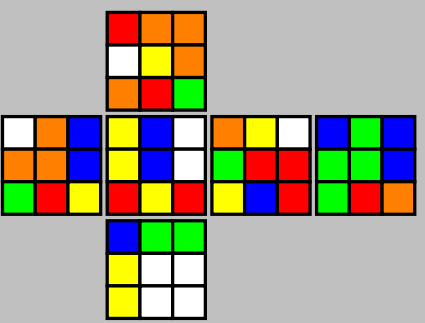
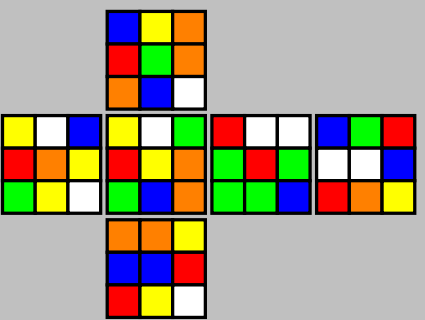
1.	3Rw' Rw2 L2 D 3Fw' Bw Lw2 R' U2	
	F' U Uw 3Rw' Lw Rw2 B2 L B	
	R' B2 3Uw' Lw' L 3Rw2 U 3Uw' B'	
	U2 3Fw' B2 Fw' R2 Rw Fw Rw2 L2	
	R Lw' Uw B R' U' L' R2 F2	
	Rw L' 3Rw' 3Uw' 3Rw B2 Rw' U' Dw2	
	R2 L 3Fw 3Rw2 Lw2 L' Dw' 3Uw R2	
	3Fw2 B2 Bw F' U L2 Rw2 Dw2 D'	
	Bw R' 3Fw2 F Bw' D' Uw2 3Rw'	
2.	Dw2 3Rw'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

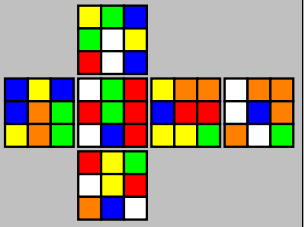
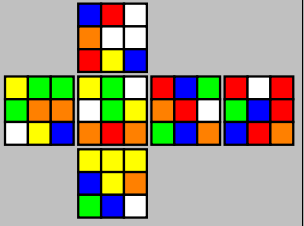
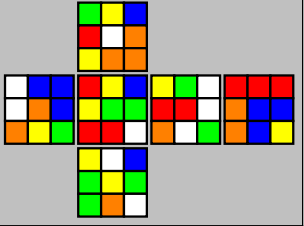
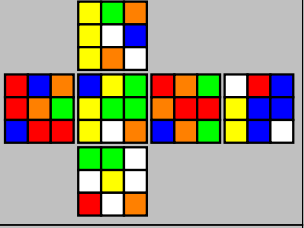
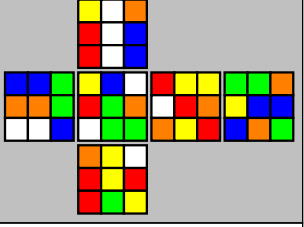
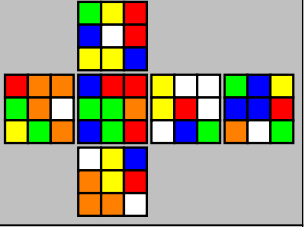
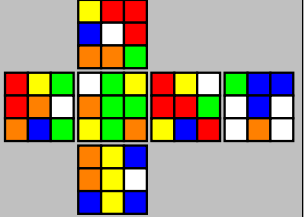
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# 7x7x7 Cube Round 1

## NU\_CUBING\_08-09-2015

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

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

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



## 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.

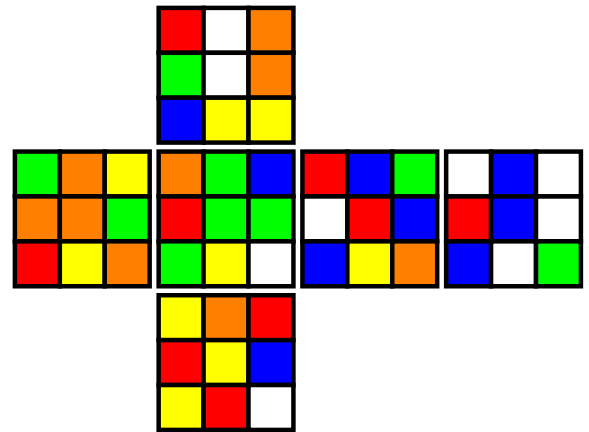
NU\_CUBING\_08-09-2015  
3x3x3: Fewest Moves Round 1  
Scramble 1 of 3

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

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

DO NOT FILL IF YOU ARE THE COMPETITOR

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



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

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

NU\_CUBING\_08-09-2015  
3x3x3: Fewest Moves Round 1  
Scramble 2 of 3

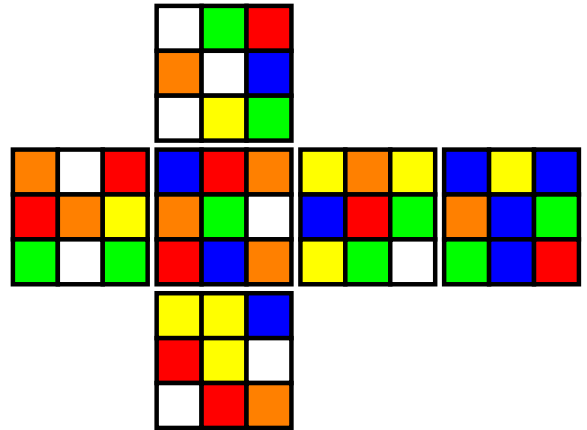
- Notate your solution by writing one move per bar.
  - To delete moves, clearly erase/blacken them.
  - Face moves F, B, R, L, U, and D are clockwise.
  - Rotations x, y, and z follow R, U, and F.
  - ' inverts a move; 2 doubles a move. (e.g.: U', U2)
  - w makes a face move into two layers. (e.g.: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

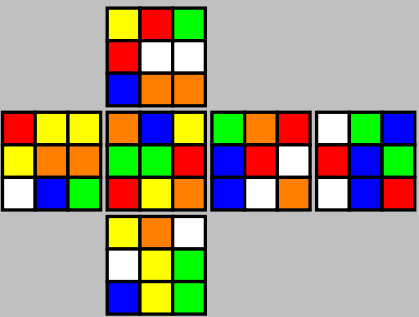
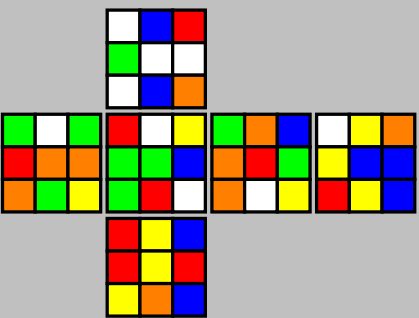
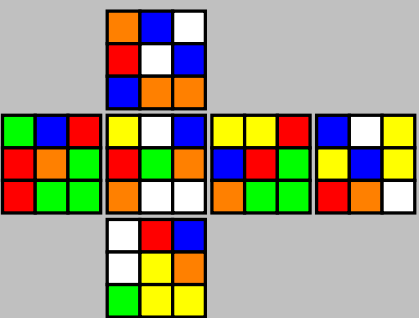
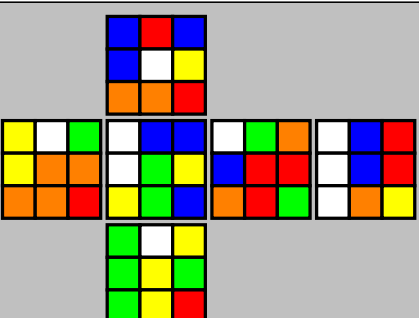
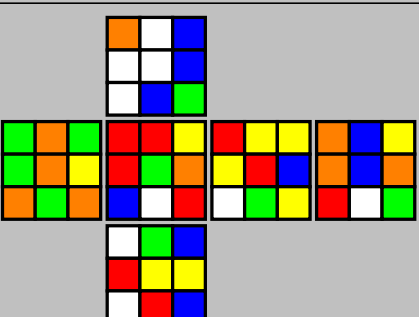
Graded by: \_\_\_\_\_ Result: \_\_\_\_\_



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

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

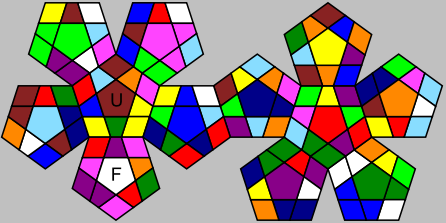
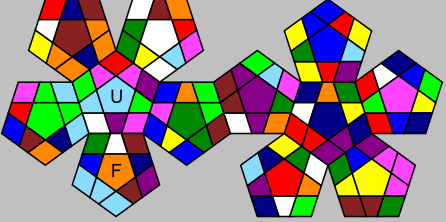
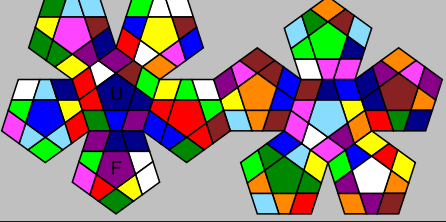
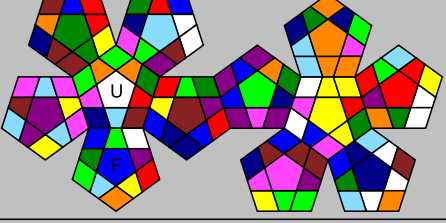
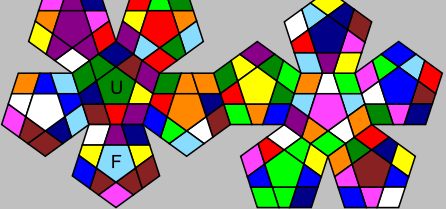


1.	R2 D2 F2 U R2 B2 D' L' U2 L R2 F' L B L F D' F'	
2.	U' R' D F R2 B' U2 R' L D B' L2 D2 F U2 R2 U2 L2 F2 R2	
3.	D2 B2 U' F' B' L D R' U' R2 B2 L' F2 L2 D2 L2 D2 L D2 B2	
Extra scrambles		
E1.	F2 D R2 F2 B L' U B' R B' U D F2 L2 D B2 L2 U	
E2.	D' F R' F R' B D B' D2 R' F' L2 B2 D' F2 U R2 F2 B2 U'	

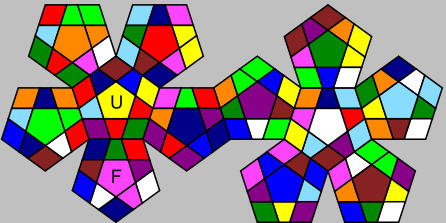
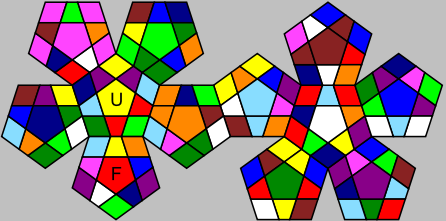
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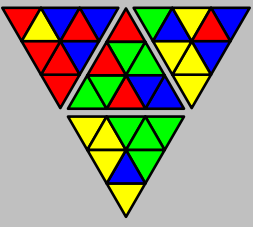
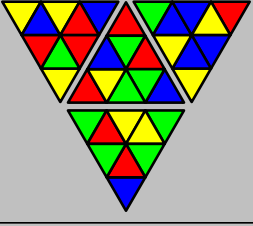
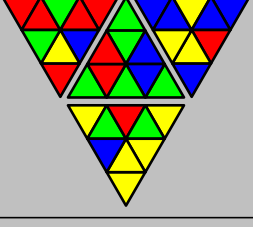
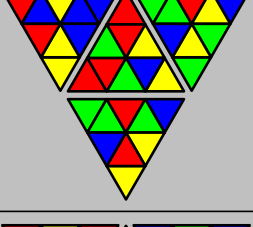
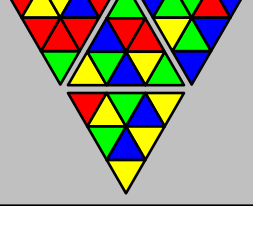
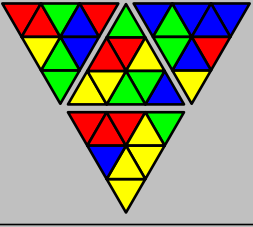
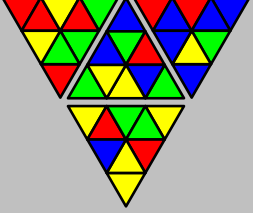
# Megaminx Round 1


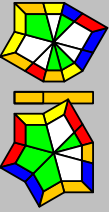

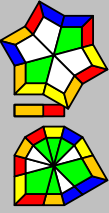
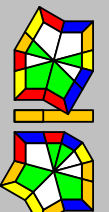
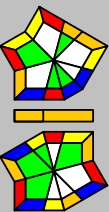
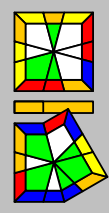
## NU\_CUBING\_08-09-2015

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

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

2015/08/07

Rubik's Clock Round 1  
 NU\_CUBING\_08-09-2015

1.	UR3+ DR0+ DL0+ UL2+ U1+ R6+ D1- L3+ ALL4+ y2 U0+ R6+ D0+ L0+ ALL1- UR	
2.	UR4- DR5- DL1+ UL4- U5- R2- D1+ L4- ALL1- y2 U4+ R5+ D4- L1+ ALL0+ UR DR DL UL	
3.	UR5+ DR4- DL1- UL1- U2+ R2+ D4+ L4- ALL3- y2 U1+ R5+ D4- L6+ ALL0+ DR DL UL	
4.	UR4- DR4+ DL2- UL3+ U3+ R0+ D1+ L3- ALL0+ y2 U1+ R2- D0+ L3+ ALL1+ DL	
5.	UR4- DR2+ DL1- UL3+ U0+ R0+ D2+ L3- ALL4+ y2 U5+ R1+ D2- L2+ ALL5+ DR UL	
Extra scrambles		
E1.	UR2+ DR4+ DL5- UL3+ U1+ R2- D5+ L4- ALL2- y2 U5+ R1- D5- L6+ ALL0+ UR DR DL	
E2.	UR4- DR2+ DL3+ UL3- U2- R1+ D1- L4- ALL5+ y2 U4+ R2- D4- L4- ALL0+ DL UL	



2015/08/07

4x4x4 Cube: Blindfolded Round 1  
 NU\_CUBING\_08-09-2015

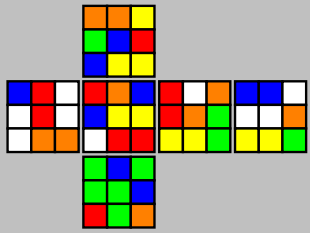
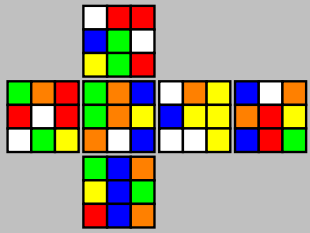
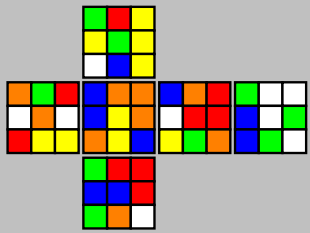
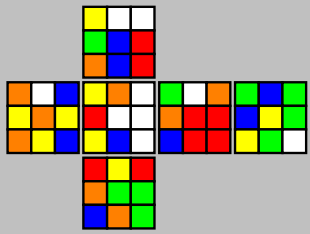
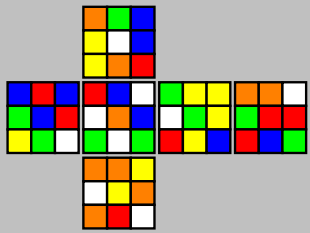
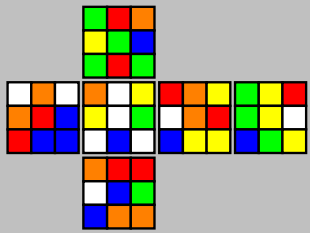
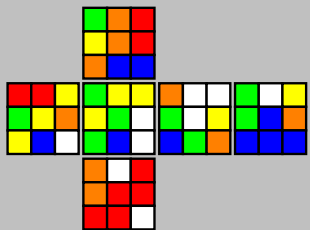
1.	R2	D2	L2	U2	B2	F2	L'	D2
	R	B2	L2	B'	U'	R'	D2	B
	F2	L2	U	R2	B	Rw2	D	Rw2
	L2	B	Rw2	F	U'	Fw2	U	F2
	B'	Rw	R'	Uw2	Rw	D	Fw2	D
	Uw	B2	F'	U	Rw'	F	x2	y'
2.	R2	U	B2	U'	B2	U	F2	R2
	B	R'	D	U'	L	U'	B	R2
	U2	B2	L'	Fw2	Rw2	B2	Uw2	Fw2
	F	R2	L	Uw2	F'	Uw'	R2	F2
	D2	R'	L2	Uw	Fw'	Uw	Fw'	L'
	F'	D	U	x	y			
3.	F2	L2	D'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

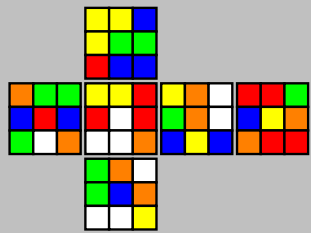
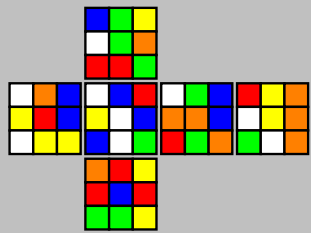
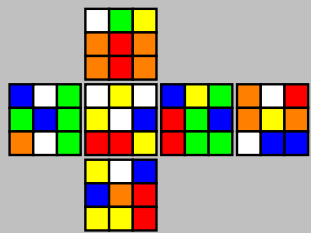
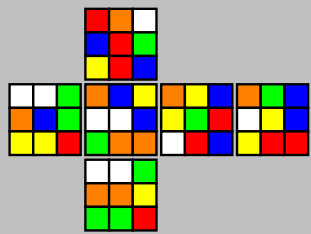
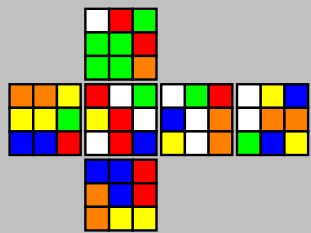
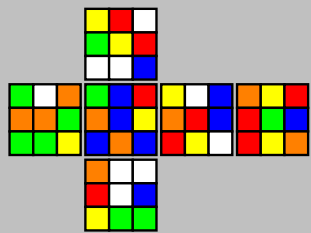
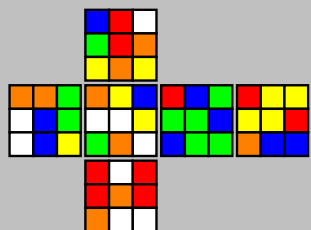
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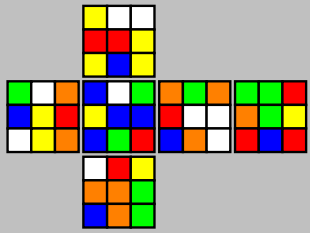
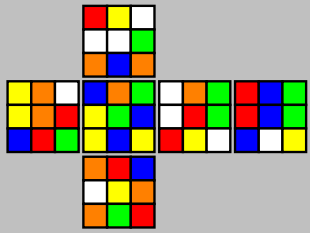
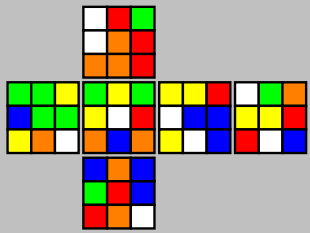
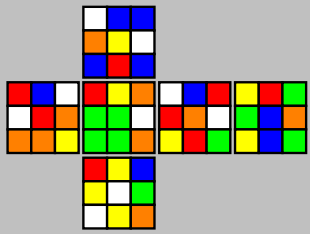
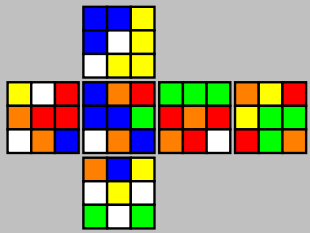
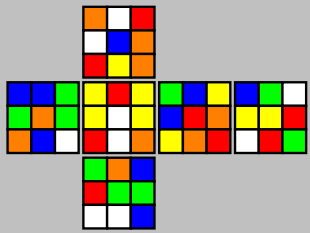
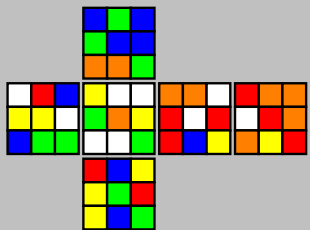
# 5x5x5 Cube: Blindfolded Round 1

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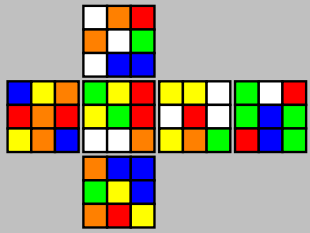
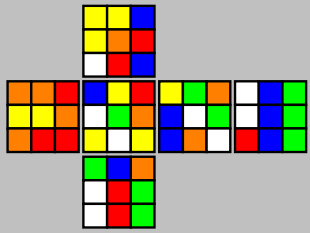
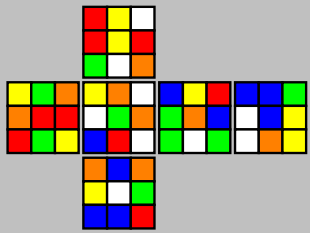
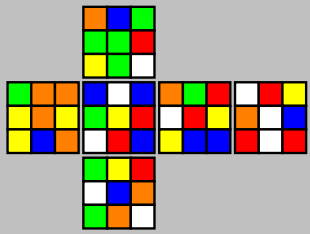
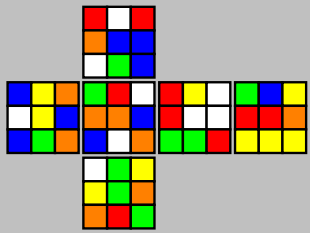
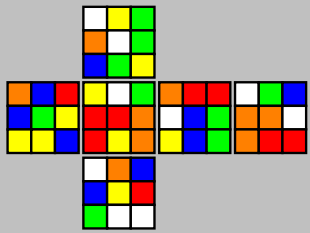
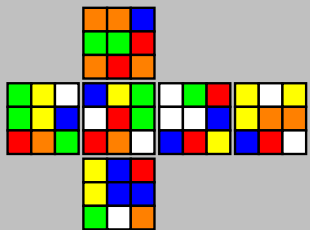
1.	F'	B	R	Bw2	Fw2	F2	U	Bw
	Dw	F'	D	F'	Lw2	Dw2	Bw	Fw2
	L2	Rw2	R2	Lw'	Bw	Lw'	Uw	F2
	R	Fw2	B	L'	Bw'	B	D'	Lw2
	Rw	L'	Uw2	L	D2	U	B'	Bw'
	F2	R	D2	L2	R'	Fw	L2	Rw2
	Dw	Fw2	Lw'	L'	F'	L2	R'	Fw'
	Dw2	D2	Fw'	Rw'	3Uw2			
2.	B2	Lw	B	Lw'	Fw	Rw2	F'	Dw2
	Bw	F'	B2	D	Bw'	F'	D2	Rw2
	Dw'	F2	Uw'	R'	B2	Fw'	D'	Bw2
	R'	U'	Uw2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

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

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

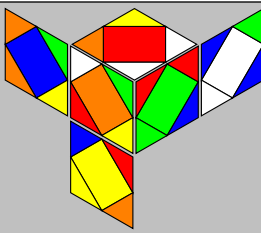
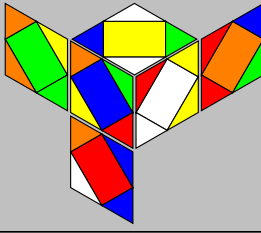
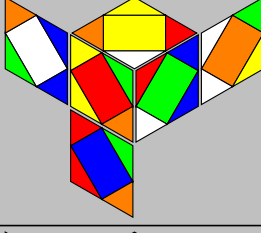
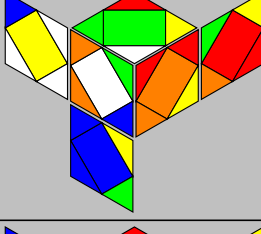
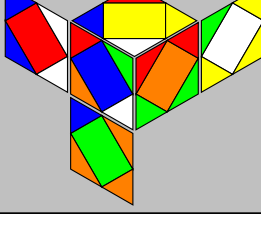
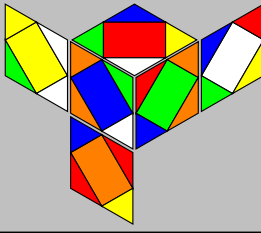
15.	R2 F2 U2 B D2 R2 B R2 B D' R2 B' U2 R2 U R B R2 D' L2 Fw' Uw2	
16.	R2 F2 D2 L2 U L2 B2 F2 D' B' D L' U R F2 U F' L D	
17.	B2 R2 F2 U2 B' U2 B' D2 R2 F' L B2 F' R2 D' R B R D' L2 Fw Uw	
18.	U2 F2 R2 D2 B2 L2 U B2 U' R' F2 R2 U2 B' U R' D2 R' B2 F' Rw2 Uw2	
19.	F' L2 B' F2 U2 B' L2 D2 U2 F' D2 R U'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

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

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

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