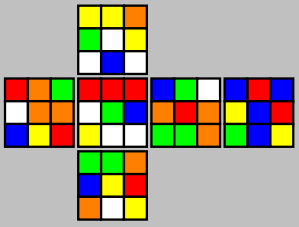
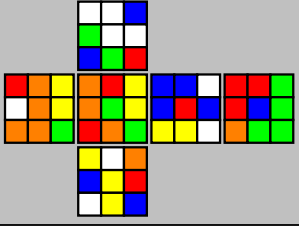
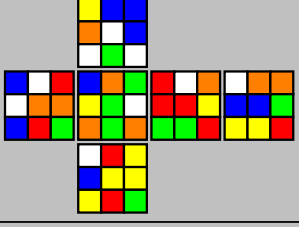
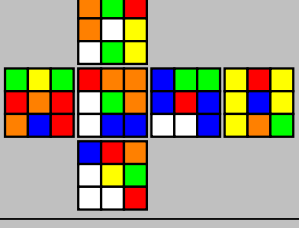
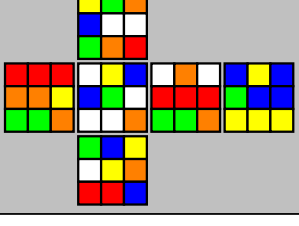
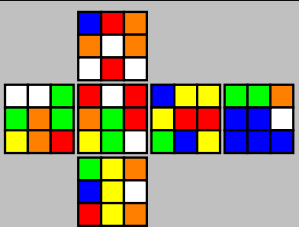
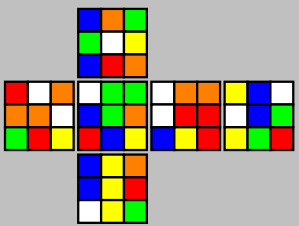
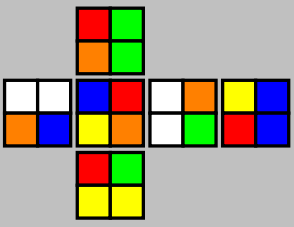
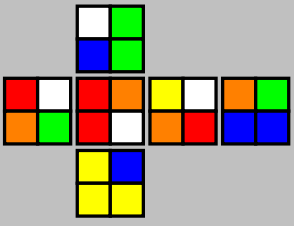
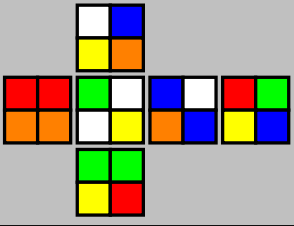
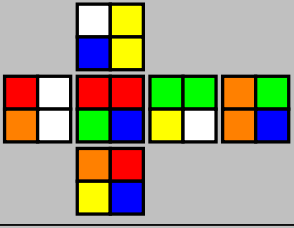
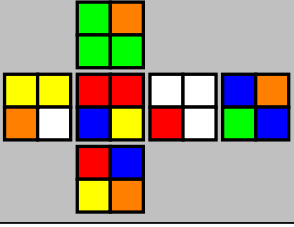
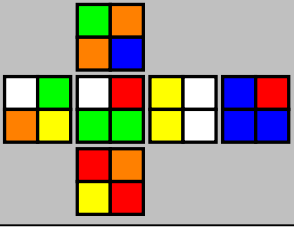
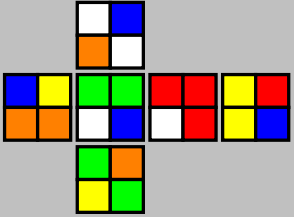


1.	R2 B' L' U D L F2 L' U D2 F' L2 U2 R2 B2 D2 F D2 F' R2	
2.	U2 L2 F2 U L2 U' B D' R D' U2 B2 U L' B2 F' D	
3.	D2 B2 D2 L' F' R' D2 F' U2 B' U D2 R2 D2 L2 B D2 B'	
4.	U2 F2 L R D2 U2 L B2 R U2 L B R' D2 U R2 B2 L2 F U R	
5.	L B2 R' U2 F2 D2 R' U2 F2 L' B' L2 F D2 R D2 R2 F' D' B2	
Extra scrambles		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

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

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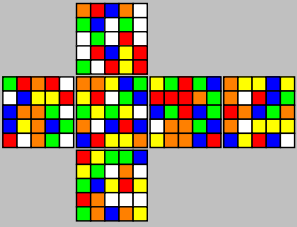
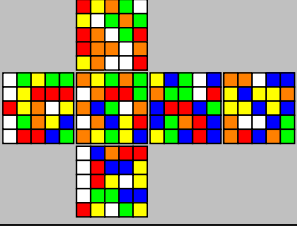
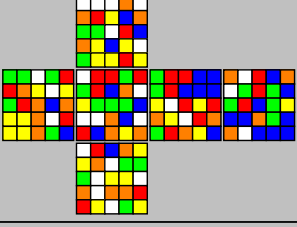
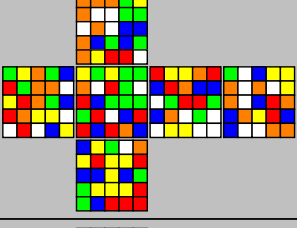
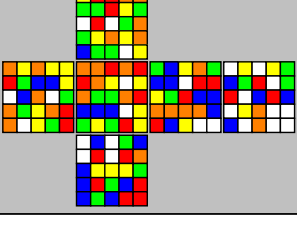
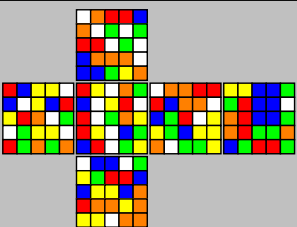
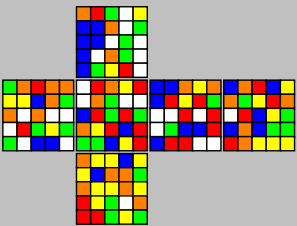
4x4x4 Cube Round 1
NU_CUBING_09-20-2015

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

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5x5x5 Cube Round 1

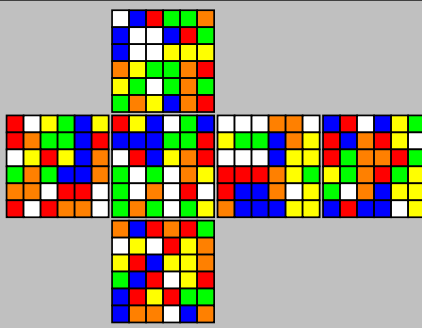
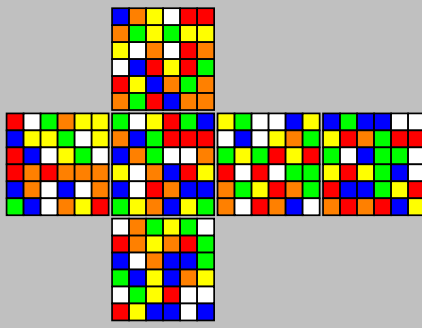
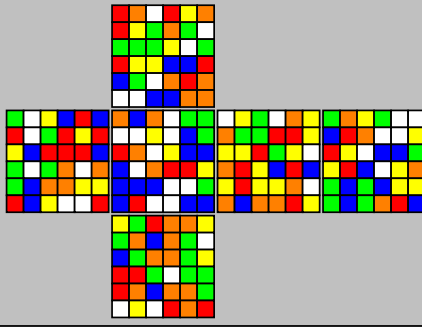
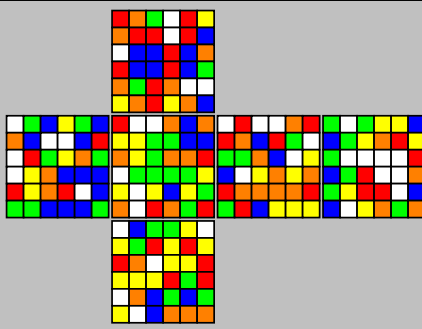
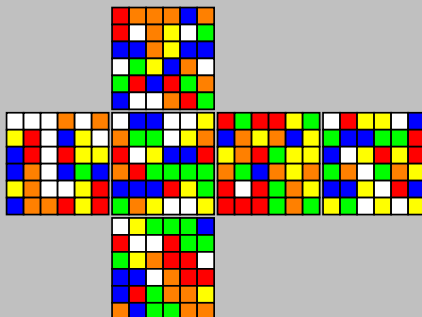
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1.	Rw U' Dw' F2 B Rw2 D2 Rw L2 R2 F' B2 Dw' Fw F' L2 U2 D Bw Fw' Lw' B Uw2 D L' Rw' B' U' Lw2 L Rw' Dw2 U F' Rw2 Lw U2 Lw Bw' B R F2 Bw Fw B2 Lw B' U' Uw R2 B' F D' Rw2 Dw L D2 Lw' B' Uw	
2.	F Lw2 F R' Uw2 B2 Dw Bw' Lw2 Dw' U' D Rw Fw2 L Uw Bw2 R Rw2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

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6x6x6 Cube Round 1

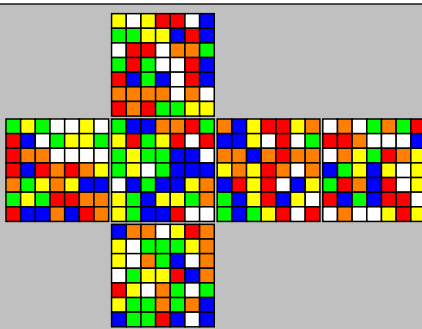
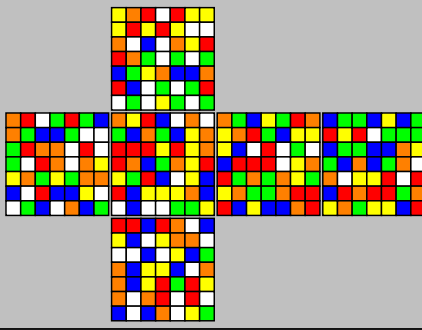
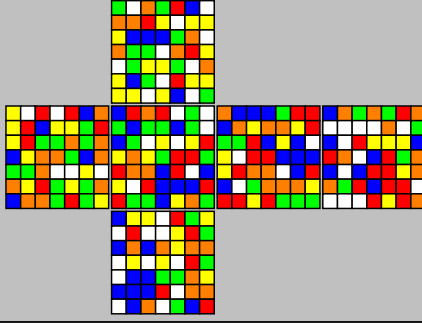
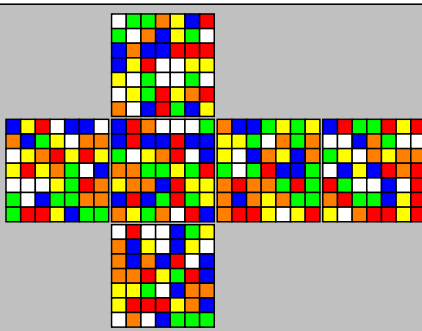
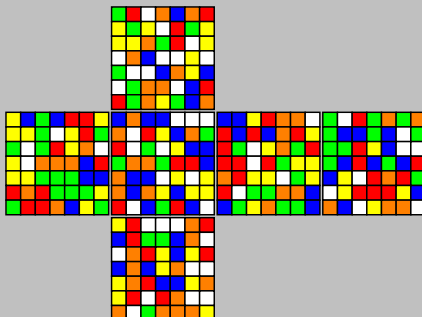
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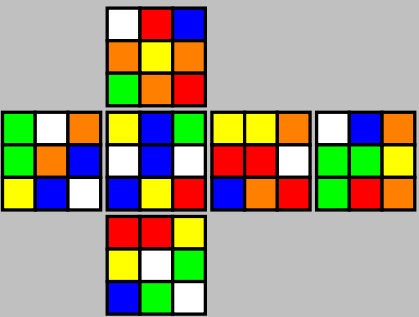
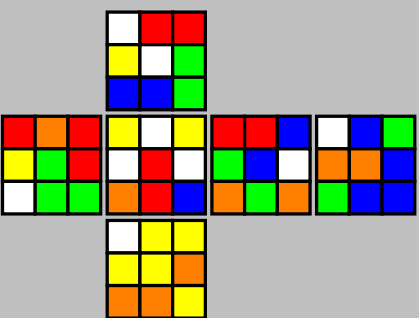
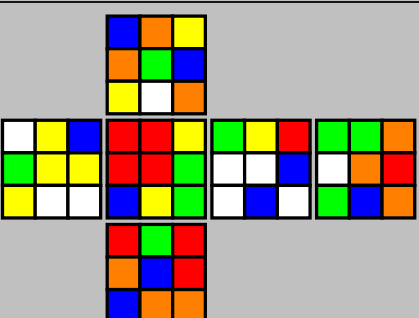
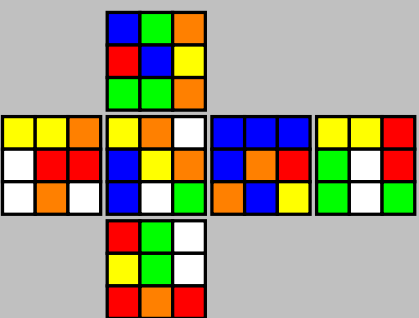
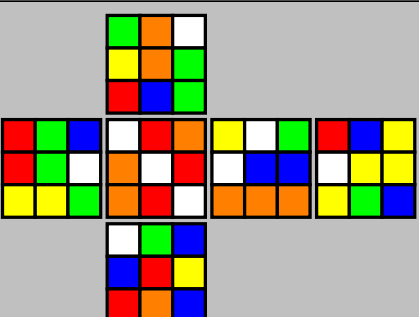
1.	Uw'	3Rw'	B'	Lw'	L2	3Fw'	Uw2	Bw	3Fw2	
	Dw'	Rw'	L	Dw'	R	D2	Uw	3Fw2	U2	
	Bw	Fw'	3Uw	Rw'	Dw2	3Fw	Rw'	3Rw'	B2	
	F'	Rw'	3Fw	L'	Fw'	D	F'	U'	Fw'	
	Lw2	R'	D2	3Uw	Dw2	Fw	3Rw	D'	3Rw2	
	Rw2	3Uw'	Uw	Rw2	Dw2	D2	U'	B'	U'	
	3Fw'	Dw2	R	3Fw	Uw'	Fw'	3Rw	Fw	Rw'	
	3Fw2	Fw2	Dw'	R'	Fw'	D'	Fw'	Uw'	U	
	L'	R	Fw	3Uw'	Uw	Lw'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

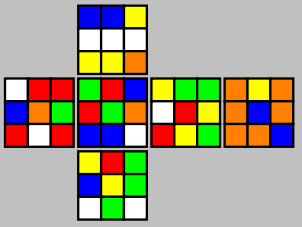
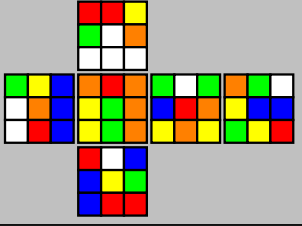
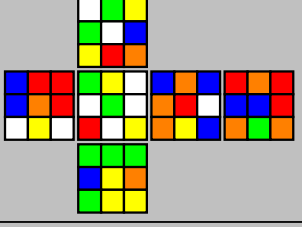
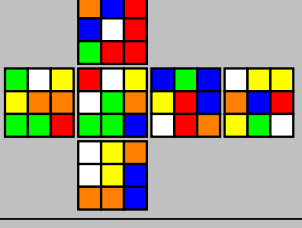
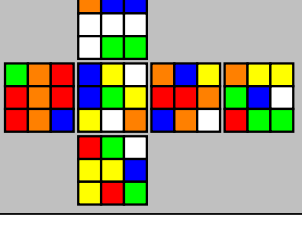
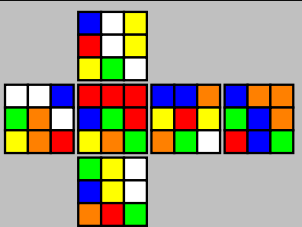
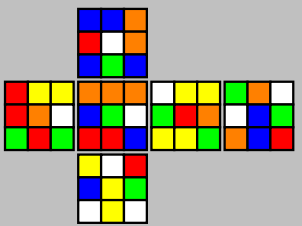
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7x7x7 Cube Round 1

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

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

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

NU_CUBING_09-20-2015
3x3x3: Fewest Moves Round 1
Scramble 1 of 3

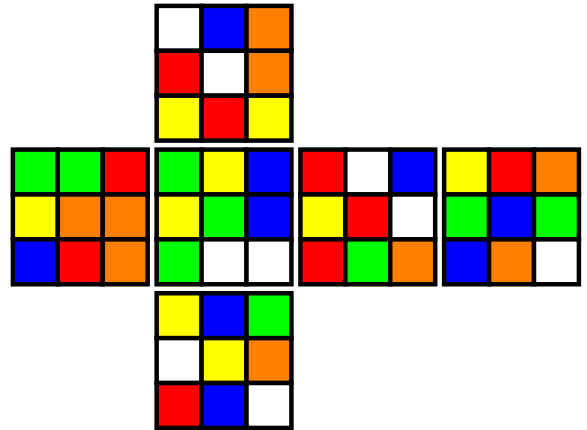
- Notate your solution by writing one move per bar.
 - To delete moves, clearly erase/blacken them.
 - Face moves F, B, R, L, U, and D are clockwise.
 - Rotations x, y, and z follow R, U, and F.
 - ' inverts a move; 2 doubles a move. (e.g.: U', U2)
 - w makes a face move into two layers. (e.g.: Uw)
 - 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: U2 B' L2 B' R2 F' L2 U2 F L' B' U' R B2 D2 R U' B' R' D'

[illegible]

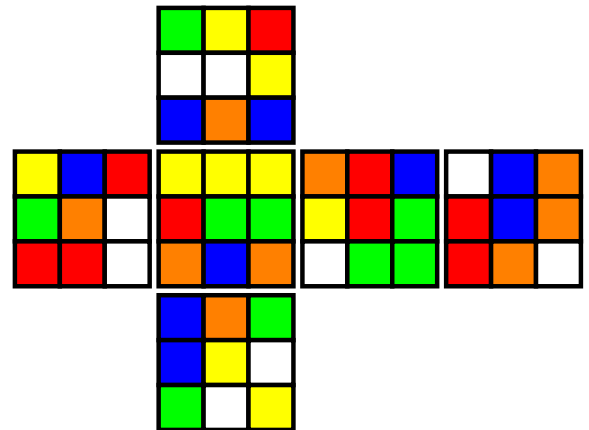
NU_CUBING_09-20-2015
3x3x3: Fewest Moves Round 1
Scramble 2 of 3

Competitor: _____

WCA ID: _ _ _ _ _

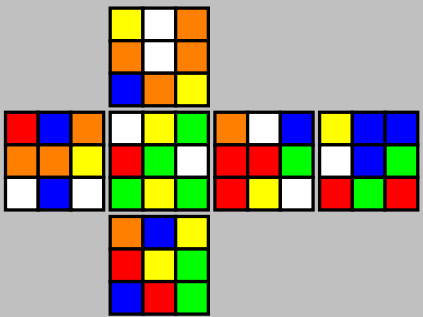
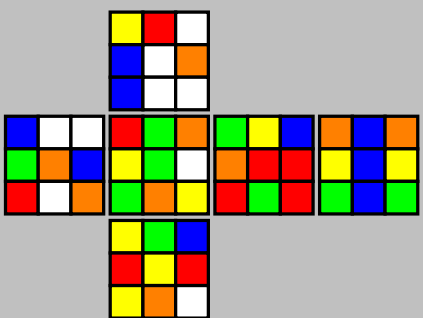
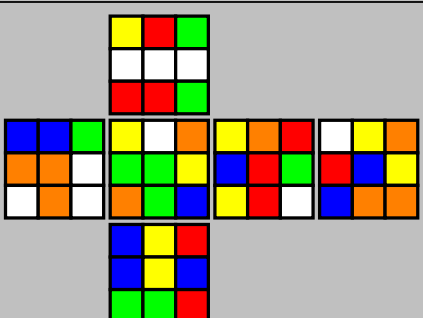
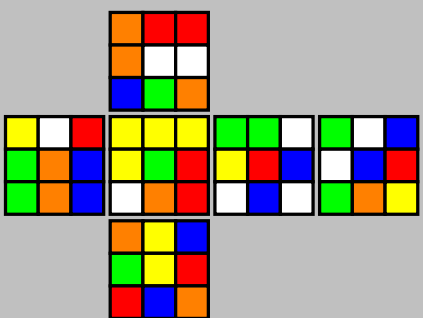
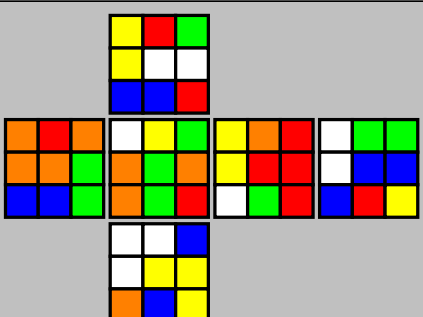
DO NOT FILL IF YOU ARE THE COMPETITOR

Graded by: _____ Result: _____



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

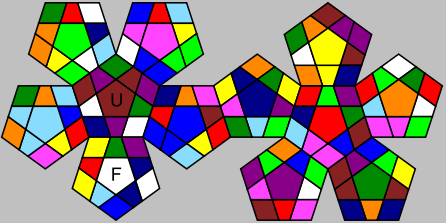
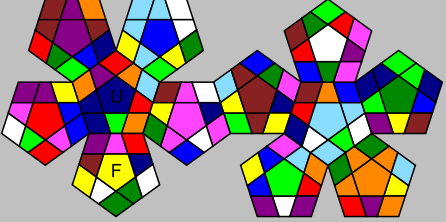
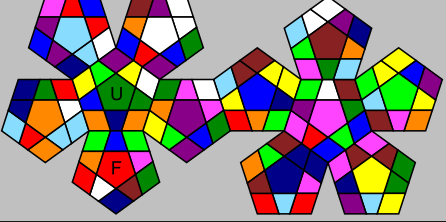
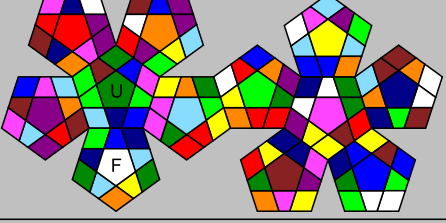
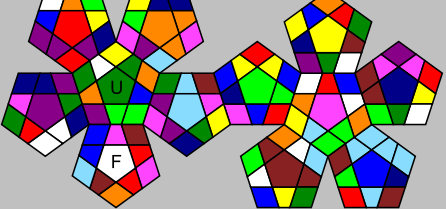
[illegible]

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

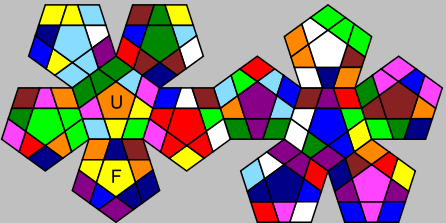
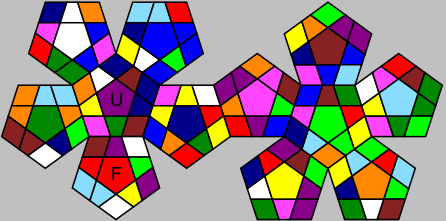
2015/08/07

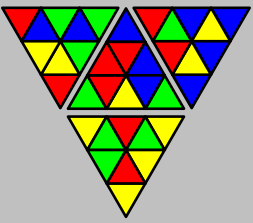
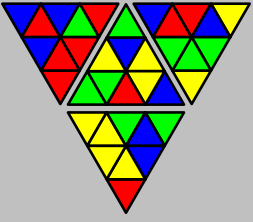
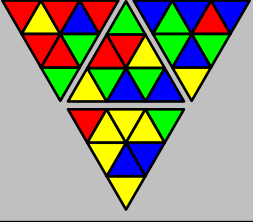
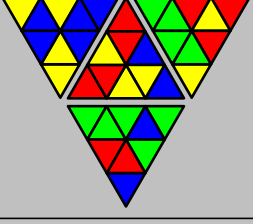
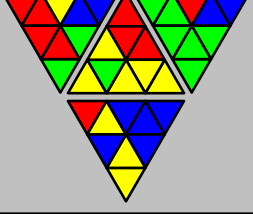
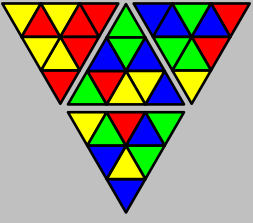
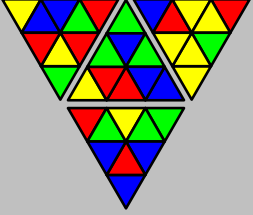
Megaminx Round 1


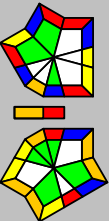
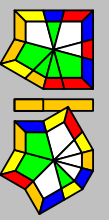
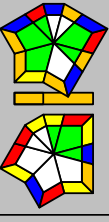
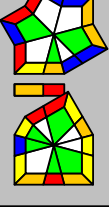

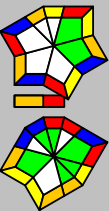
NU_CUBING_09-20-2015

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

Extra scrambles

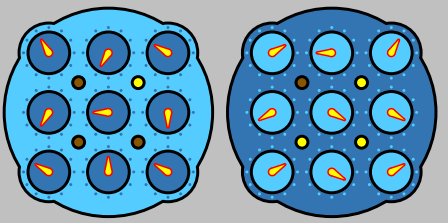
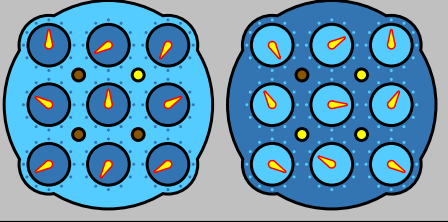
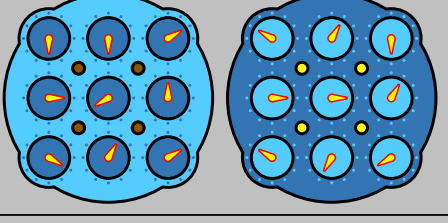
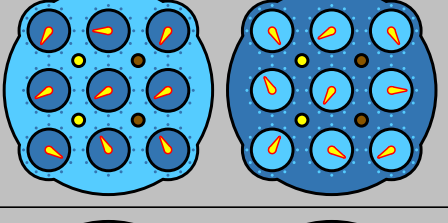
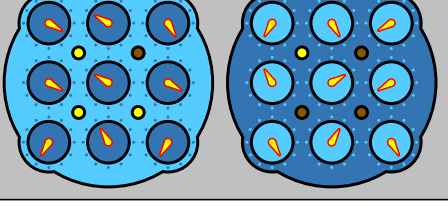
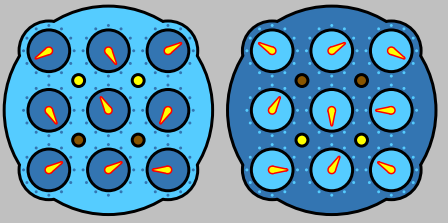
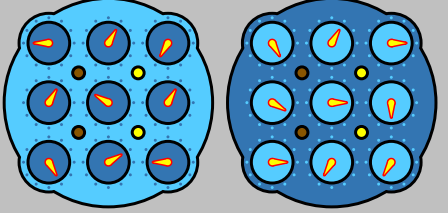
E1.	R++ D-- R++ D-- R-- D-- R-- D-- R-- D-- U' R-- D++ R++ D++ R++ D++ R-- D-- R-- D-- U' R-- D-- R-- D-- R-- D++ R-- D++ R-- D-- U' R-- D-- R++ D-- R-- D-- R-- D-- R-- D-- U' R++ D-- R-- D++ R-- D-- R-- D-- R++ D++ U R++ D++ R-- D-- R-- D-- R-- D++ R++ D++ U R++ D-- R++ D++ R-- D-- R++ D-- R-- D++ U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

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

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

2015/08/07

Rubik's Clock Round 1
 NU_CUBING_09-20-2015

1.	UR3+ DR5+ DL3- UL4- U1+ R0+ D5+ L5- ALL2+ y2 U3- R2+ D2+ L3+ ALL5+ UR	
2.	UR5- DR5+ DL6+ UL1+ U3- R4+ D2+ L5- ALL2- y2 U5+ R2+ D4+ L2- ALL3+ UR	
3.	UR4- DR5- DL4- UL1- U1+ R3- D1- L5- ALL1+ y2 U5- R5+ D2+ L4- ALL2-	
4.	UR4+ DR2+ DL2- UL5- U4+ R2+ D1- L1- ALL4+ y2 U3- R0+ D1- L0+ ALL0+ DL UL	
5.	UR0+ DR3- DL1+ UL3+ U2- R6+ D1- L2+ ALL4- y2 U1- R6+ D0+ L6+ ALL1- DR DL UL	
Extra scrambles		
E1.	UR5+ DR2+ DL2- UL2+ U2- R2- D4+ L3- ALL2+ y2 U3- R6+ D6+ L4+ ALL2- UR UL	
E2.	UR0+ DR5- DL3+ UL2+ U6+ R4+ D4+ L4+ ALL3- y2 U4- R3- D3- L3- ALL1- UR DR	

2015/08/07

4x4x4 Cube: Blindfolded Round 1
 NU_CUBING_09-20-2015

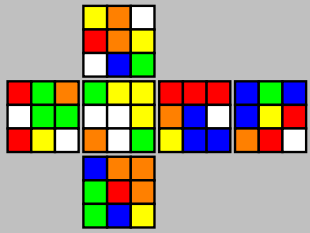
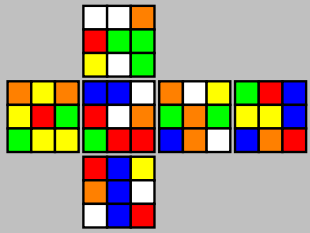
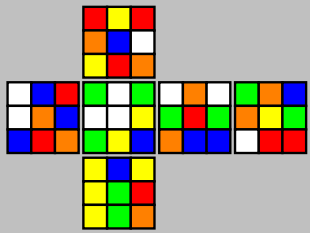
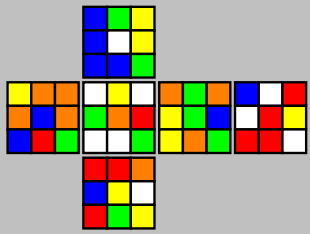
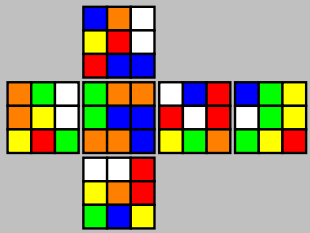
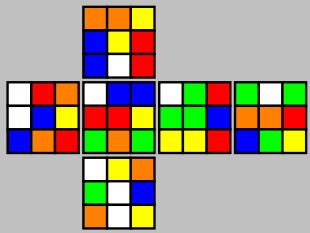
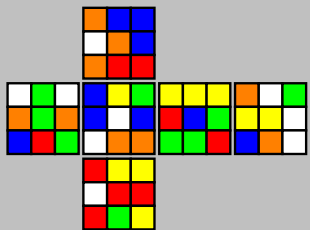
1.	D2	L2	F2	R2	B2	U2	B'	U2
	F2	L	D2	L2	F'	U2	F2	D
	R2	L	Fw2	U'	Rw2	B2	D'	Rw2
	R'	L2	U'	Fw2	B2	R	Fw	Uw2
	D	U'	R	L	Rw	U	Fw	Uw
	Fw2	B	D'	z'				
2.	B2	R2	B2	R'	L2	B2	D2	L'
	D2	L2	F'	L'	U	L2	U	R
	U	R2	B	U'	Rw2	B	L	Fw2
	F'	R'	Fw2	R	B'	L	D2	R
	Uw	B'	Uw'	Fw2	Rw2	U2	Rw	Fw
	F2	L'	B2	Rw	B	x2	y'	
3.	B	L2	F'	L2	B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

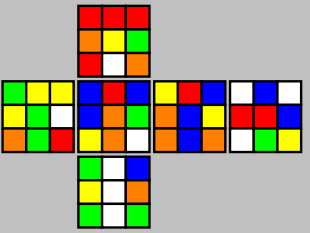
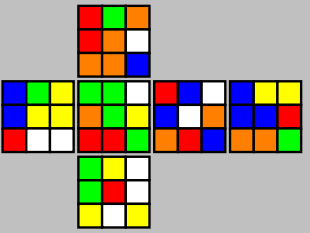
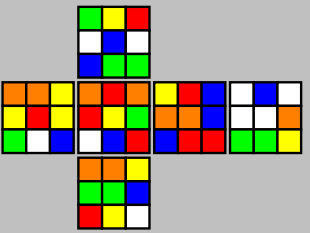
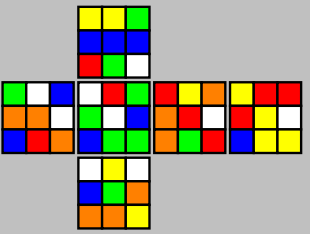
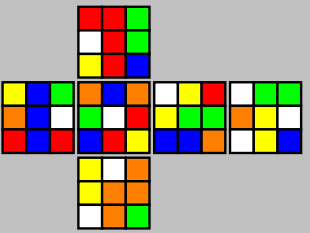
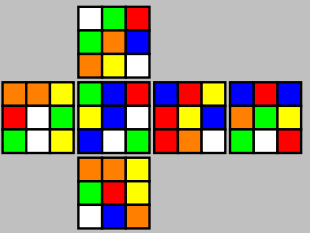
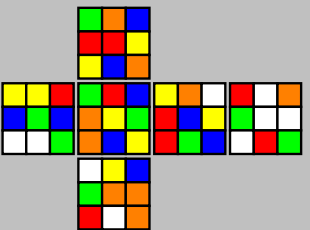
2015/08/07

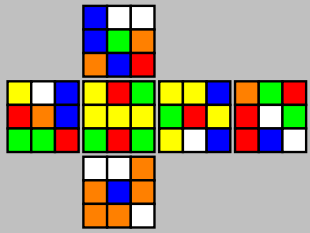
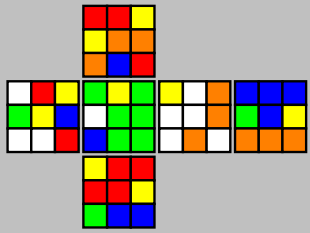
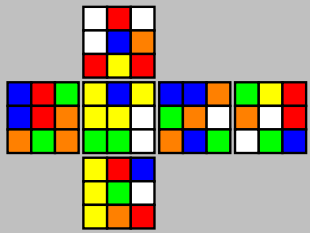
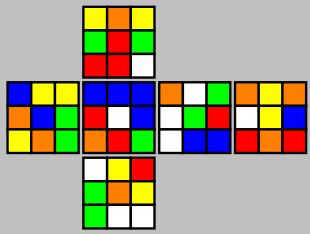
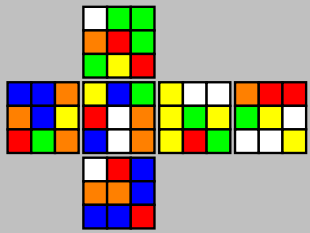
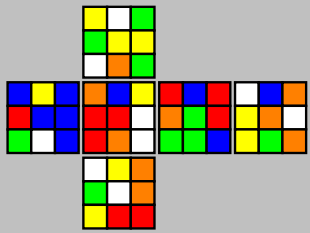
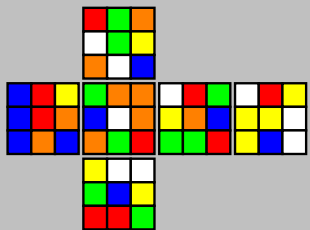
5x5x5 Cube: Blindfolded Round 1

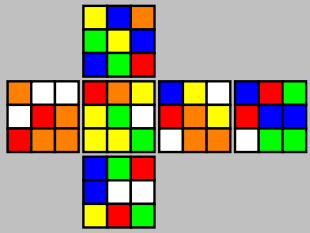
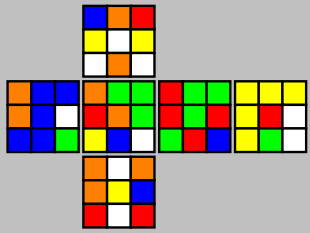
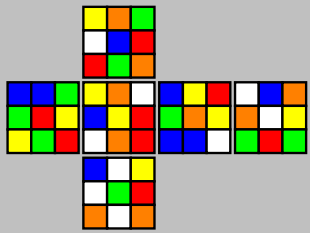
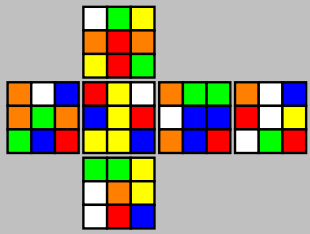
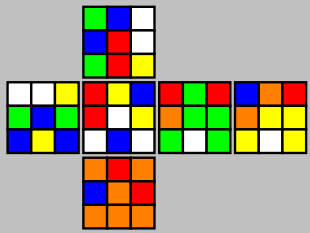
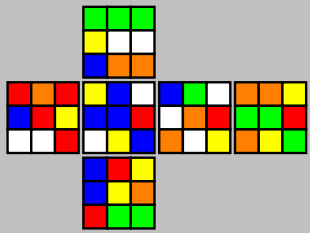
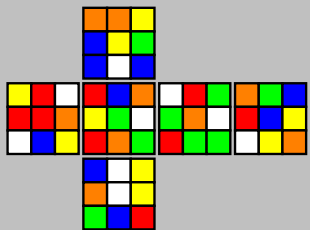
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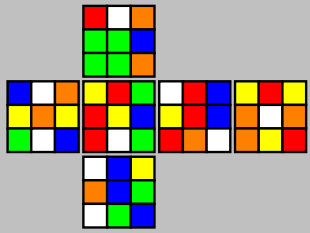
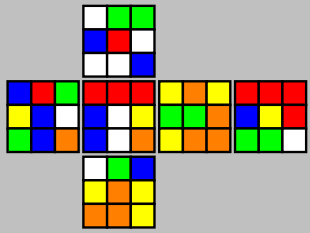
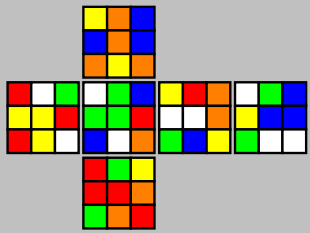
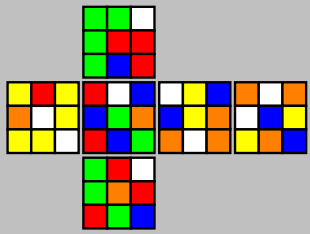
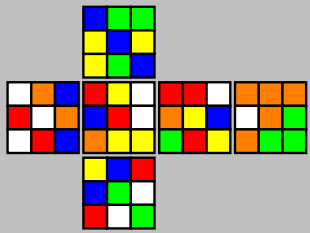
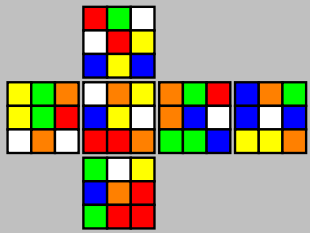
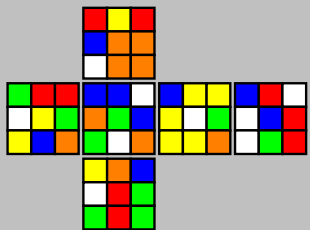
1.	F'	Fw2	Lw2	Uw2	Dw2	D	L'	Bw'
	L'	Uw	Lw	U'	Rw'	U'	Rw2	U
	Uw2	L2	Lw	R	Uw	F'	Rw2	F'
	U'	Dw2	Bw	Fw'	F	Uw'	B'	Rw2
	Bw'	L2	B2	L'	Rw'	D	B'	Dw'
	Bw	R2	F'	U	R2	D	R'	D'
	B'	Lw'	L	R2	Uw'	B2	Fw'	L
	D	R	B'	D'	3Fw'	3Uw2		
2.	Dw2	F	Rw'	Bw'	B'	Lw	Rw2	Bw2
	R2	Bw2	Rw2	U2	Bw2	Lw	D'	Fw'
	D2	Bw	B	Uw	Dw	U2	R'	D'
	Bw'	Uw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

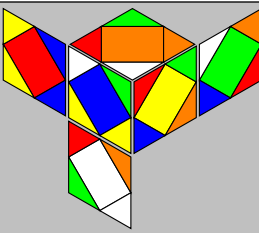
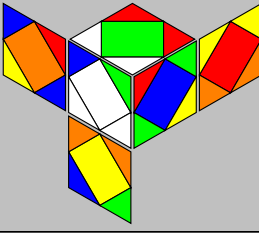
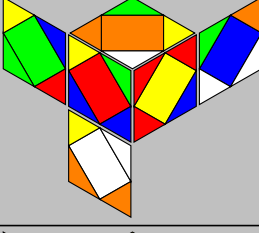
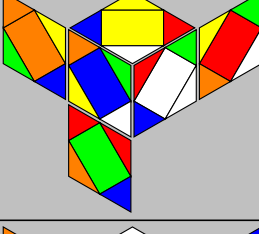
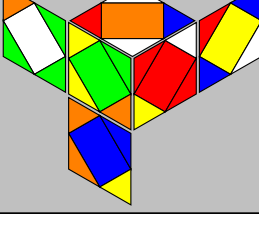
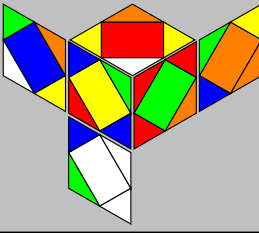
1.	F2 L' D2 B2 D2 R B2 F2 U2 R U B' U2 B' U L' U' L' D U2 Fw Uw	
2.	D2 B' L2 D2 F R2 B' R2 U2 F' U F' D L' U2 F D' R' D' L U Rw Uw2	
3.	F' U2 B' L2 R2 B2 D2 R2 B U2 L2 D' L' U' R2 B L' B D2 F D Rw'	
4.	U2 L U2 L B2 D2 U2 R' D B2 L2 D' B2 R B F' U' B' L' Uw'	
5.	L2 R2 D2 B2 D U2 R2 U2 B' L' U2 R F L'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

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

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

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

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

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