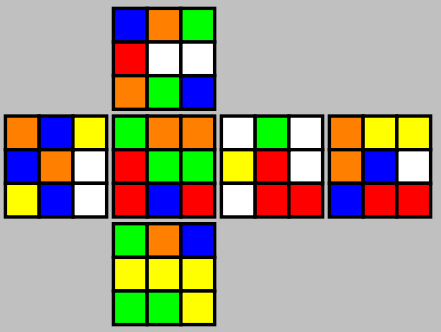
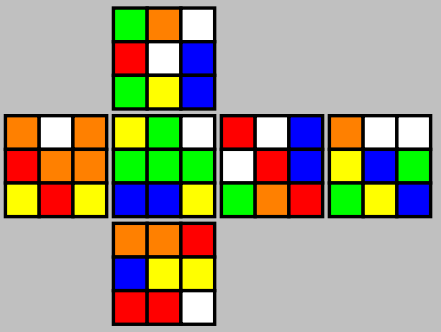
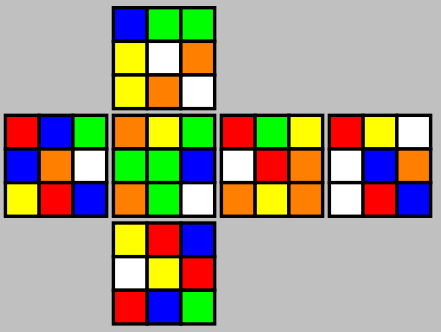
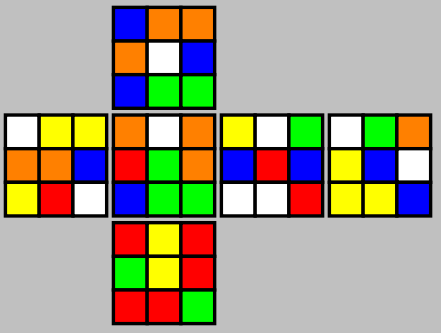
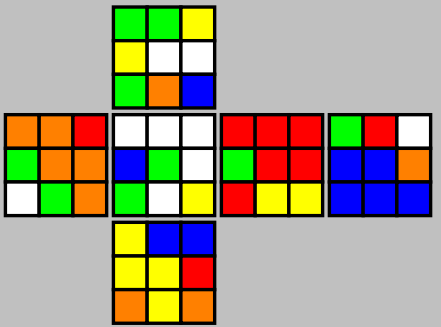
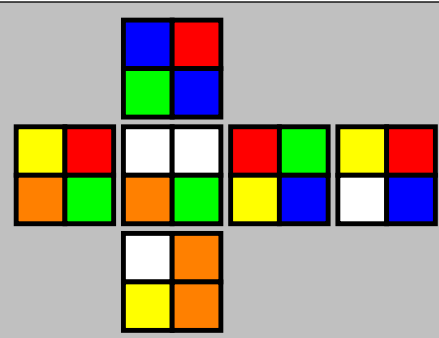
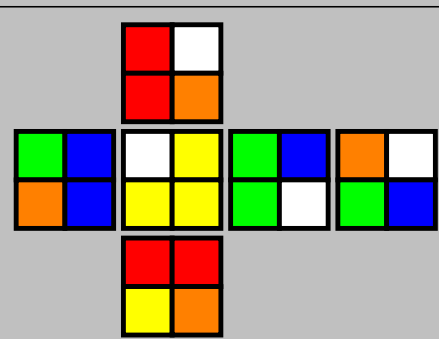
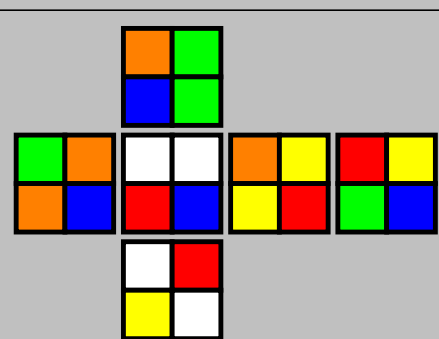
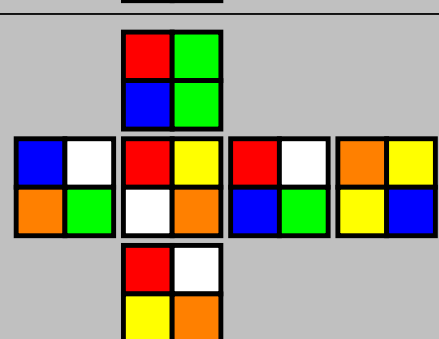
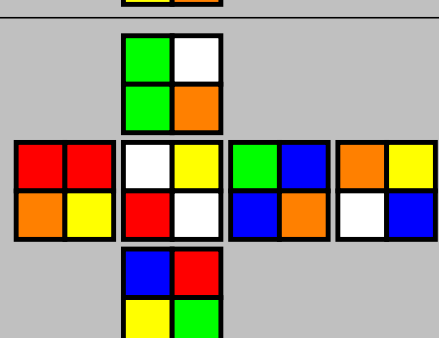
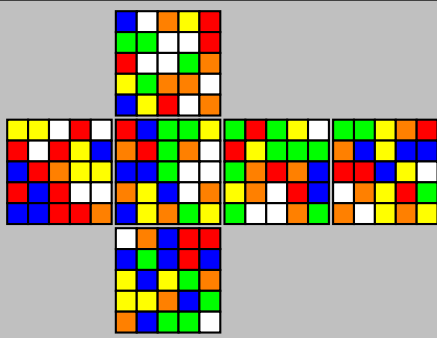
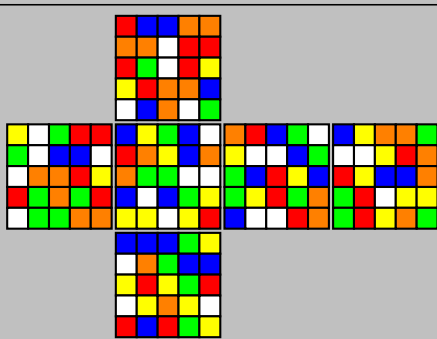
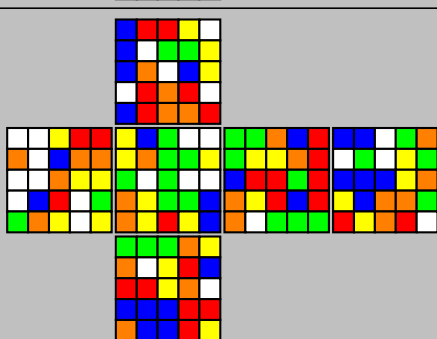
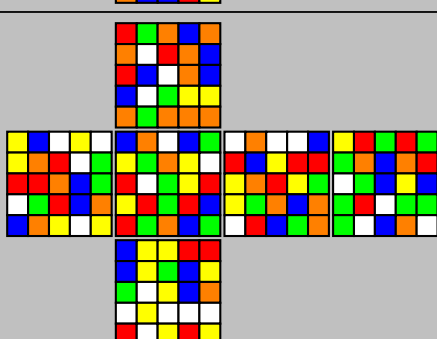
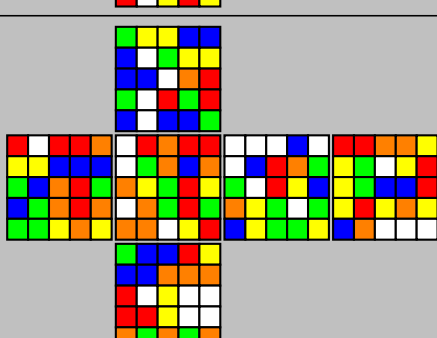


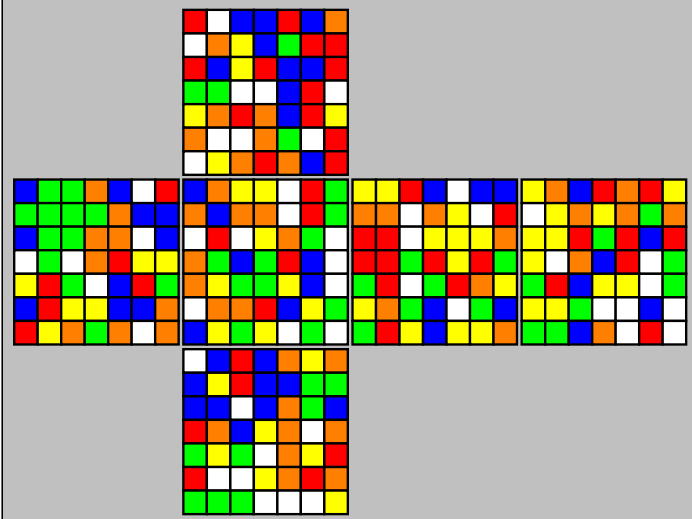
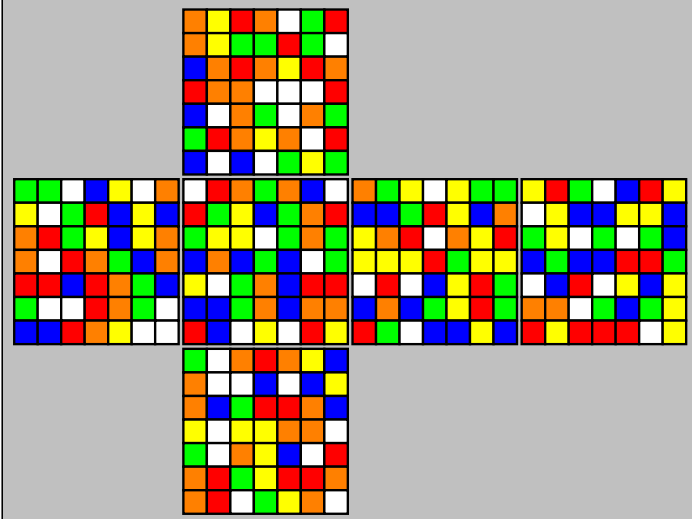
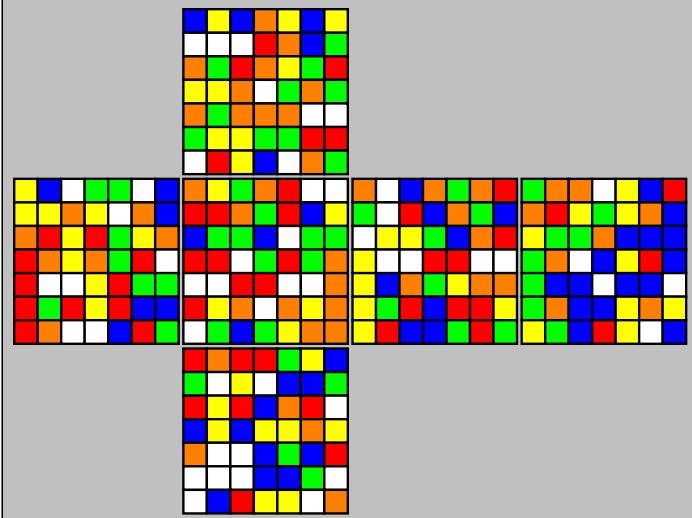
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2.	U2 B2 L2 B' U2 F' D2 R2 B R F2 L B2 D2 F U' B' U' F	
3.	B2 R2 B U2 B' R2 U2 F' D L' D' L' R D B' U' R2 D' F	
4.	B R B' U' D L U F' L B' D' F2 R U2 R B2 L2 U2 L D2	
5.	F D2 B F L2 R2 B L2 D2 F2 D2 U' R2 F' L' F' D R U' R'	

1.	$R U' R' U R' F' R^2 F^2 R U R$	
2.	$R U^2 F U R U R' F R^2 F' R'$	
3.	$R' U F^2 U' F R^2 U^2 R' U' R^2 U^2$	
4.	$R' U' R^2 U^2 F' U^2 R' U R' U R^2$	
5.	$U' R F' R' U R' U^2 F R U^2 F$	

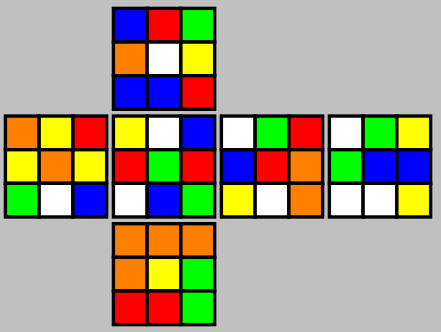
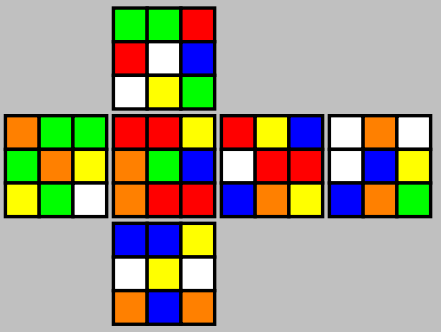
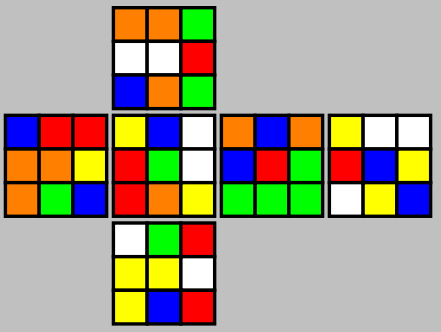
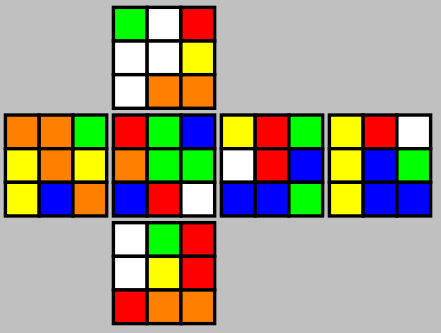
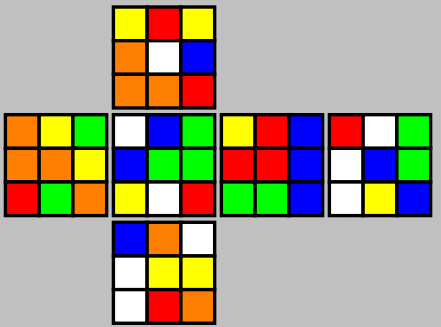
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	L	Uw2	B'	L2	Fw'	R'	Fw
	F	Uw2	Fw'	D'	U	R2	D'
	Rw'	F	L'	Fw	F2	R	Uw2
	U	F	Rw	L'	U2	D	B
	Rw2	D'	U	B2	D2		
2.	D2	L2	R2	B'	Rw	F2	D2
	Rw	Uw	Fw'	Rw2	Uw	L	Rw2
	Fw	B2	Uw	U	Rw'	R2	F
	B2	R2	U2	L2	D2	Rw'	U2
	Uw'	B2	Uw	Rw	D2	F'	Uw2
	U'	Rw2	U	F2	U		
3.	L'	Uw2	U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

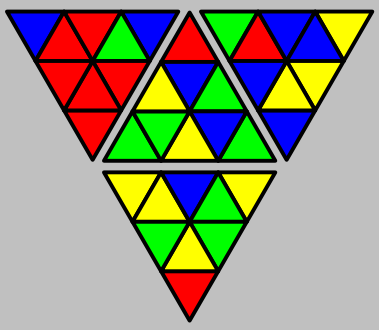
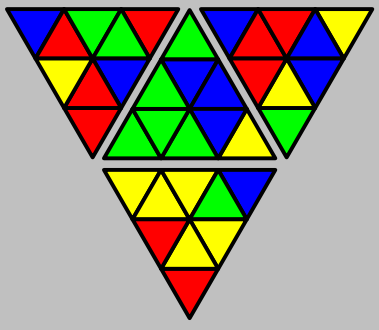
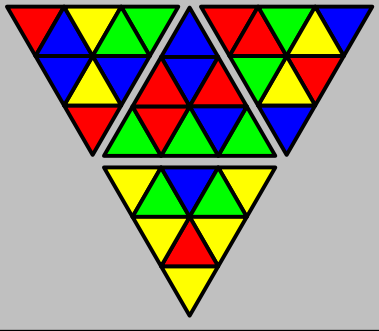
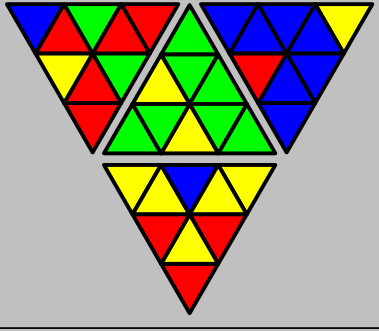
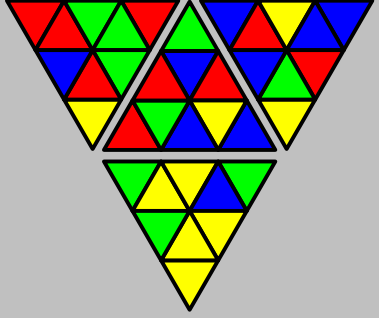
1.	D' Dw U' R2 Dw' B2 Fw2 Rw Dw B2 R2 D B F2 Dw2 L2 Rw' B' U D2 Lw2 R' D F Lw' F2 R2 Bw' F Dw' Uw2 L R2 U2 Bw F' Dw2 Lw Bw2 D' Lw2 Rw2 Fw2 U' Rw Uw2 Rw U2 Uw B2 D' B' L' D2 F' R' Dw' D' F2 Fw	
2.	Lw2 D' U' Uw Lw' D' F2 Bw Lw2 D Dw B2 Uw2 D' F' L' D2 Rw2 L D B2 L2 Dw' D Uw2 Bw2 F Lw2 Uw' B2 Fw L2 Dw Lw'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

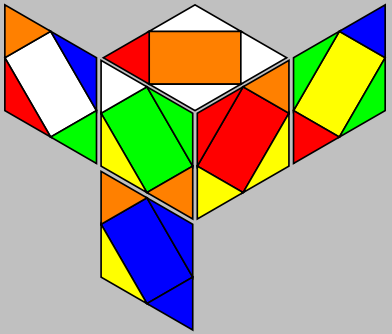
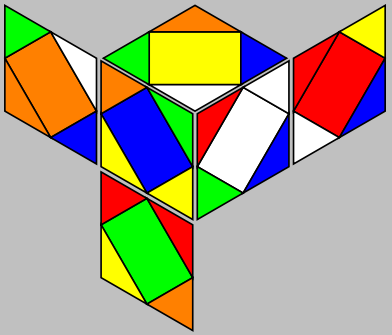
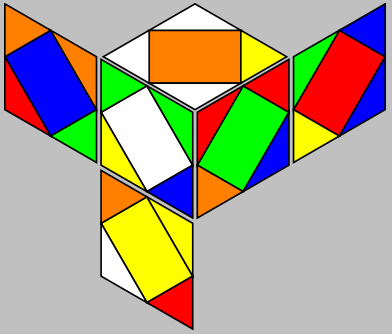
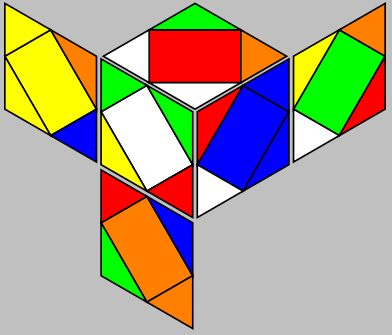
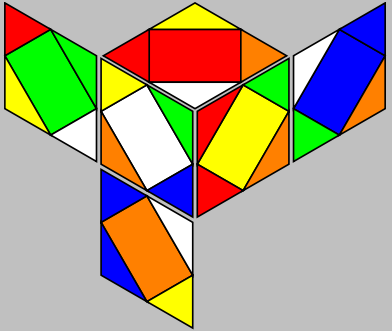
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	Rw	3Uw	F'	U2	3Rw	Bw2
	Lw'	U'	Uw	3Uw'	3Rw2	R2
	B'	3Uw	Fw2	R	3Rw'	Lw
	D'	U2	F'	3Uw2	Lw2	B
	3Fw2	R	Fw2	3Fw	Rw'	Uw'
	D2	Rw	3Rw'	D	Rw	3Rw2
	D'	B'	Dw'	3Uw'	Uw2	Fw'
	F2	Rw'	R	Bw2	R2	Bw
	B2	Dw	F	Lw2	R	Bw
	D2	3Rw2	R2	Fw'	Bw2	3Fw
	3Rw'	R'	3Uw	Uw	Fw	3Rw
	3Uw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

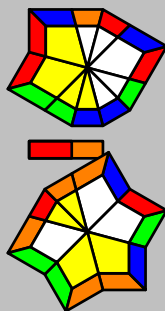
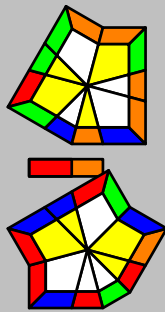
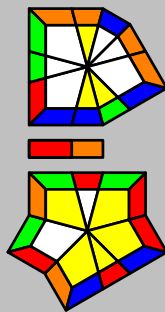
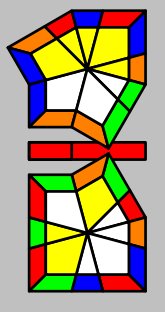
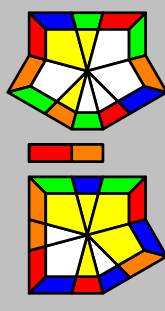
1.	<p>Uw2 3Rw' Fw2 3Rw2 R' Bw 3Fw R' B' 3Fw2 D 3Bw2 Dw' 3Uw2 Bw' Rw' 3Lw2 B 3Bw2 3Uw2 3Fw2 U F Uw Rw2 Dw2 3Lw Dw 3Bw' Dw F2 Rw2 D' 3Uw Bw 3Uw 3Dw 3Bw Uw Bw R Rw2 3Uw' 3Dw2 3Fw' 3Bw Lw' 3Dw 3Bw Uw2 3Lw' F2 3Bw2 B' Lw' L2 3Uw Dw 3Rw' Uw2 3Rw2 Lw D Rw Bw2 3Rw2 B' 3Rw' F Dw Bw2 Rw Lw' D2 3Uw 3Dw Bw2 L' B2 3Dw2 3Uw' Dw 3Bw' Fw2 Uw' F' U' Dw 3Bw 3Lw U' Fw2 F Uw' Fw R2 3Rw2 U' 3Dw' Uw2</p>	
2.	<p>Rw' 3Bw2 Bw Dw' Rw2 F' L2 R2 3Dw' Fw2 U2 Lw' D F2 D2 Dw' 3Lw' Bw2 Fw' 3Bw2 U2 B2 Rw2 Bw' 3Lw U' R U2 3Fw' Lw Bw' 3Rw' 3Bw2 Dw Lw' 3Rw U F2 Lw2 3Lw 3Dw2 D' 3Lw' R2 Rw 3Fw 3Dw' Lw2 3Fw2 Fw Lw 3Bw 3Uw Fw2 3Fw' Bw2 Lw2 3Rw' 3Lw2 F' Dw2 B2 U' Uw' 3Dw L2 3Uw' D 3Rw2 3Dw Uw2 3Fw' L U' D2 R Lw' 3Lw Fw' B Dw' Bw Dw U2 3Bw' 3Fw 3Uw' Rw2 3Uw' U Lw' Bw2 Dw 3Dw' Lw 3Fw' Dw2 D Uw 3Lw</p>	
3.	<p>3Rw' 3Bw2 3Dw Lw2 L2 U2 3Dw 3Uw' Dw' F' Lw 3Bw' D2 3Bw' L2 Dw2 Rw Bw' 3Fw2 Fw' U2 Dw2 3Uw 3Lw' F' Dw' 3Dw' L2 3Uw L' U2 Uw2 Fw' D L' Rw2 Dw' 3Uw2 F2 L2 R' 3Dw' 3Bw2 B2 3Lw' D' Rw' Fw' Uw 3Rw Lw L Uw B' Fw' F 3Uw U 3Fw2 Bw 3Uw R' Fw 3Lw B L' U2 3Fw 3Bw Fw2 3Dw' 3Fw2 3Dw' D' 3Uw2 Bw' 3Bw2 3Uw2 Rw2 F2 Uw' U 3Dw2 L2 Lw' 3Bw2 R2 U D2 Fw U Rw Dw2 3Fw' R B2 D2 Lw2 3Dw2 B</p>	

1.	<div>B2 D2 B2 F'</div> <div>L2 F' U2 B</div> <div>L2 R2 D U</div> <div>F' D B2 U'</div> <div>R' D' F2 R2</div> <div>Uw2</div>	
2.	<div>B2 U2 F' L2 F R2</div> <div>D2 U L F2 U' B</div> <div>R' B D L R' F</div> <div>Uw</div>	
3.	<div>R2 D2 F2 D2</div> <div>R' U2 L' R2</div> <div>B2 R' U' B2</div> <div>U' L' U F2</div> <div>U2 B U' Rw2</div>	

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

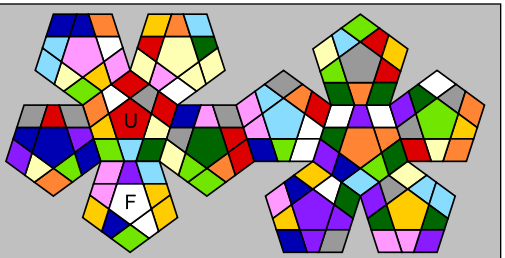
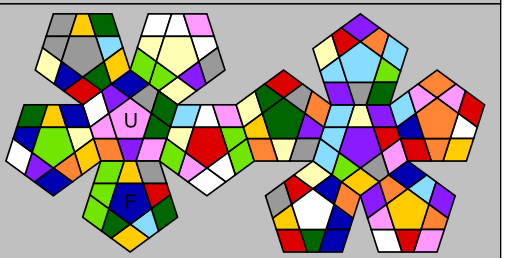
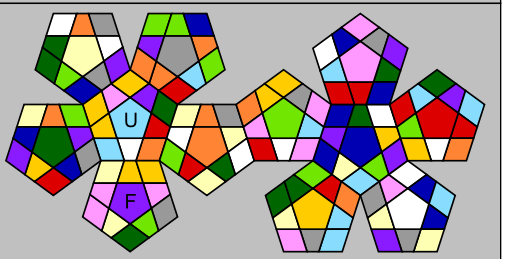
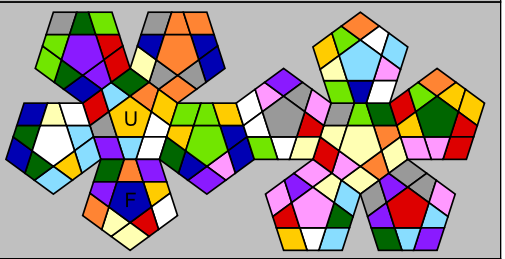
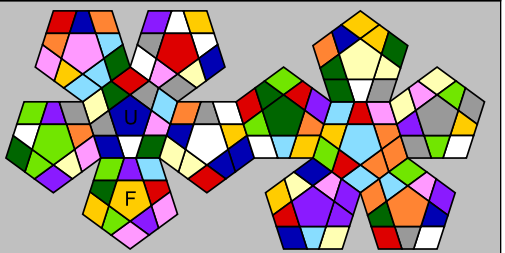
1.	U' L' R' L' U L' R' U B R B' u r b	
2.	B L' R' L B R' U R U' B U u' r' b	
3.	U B L' R' L R' L' U' R L' U l' r b'	
4.	B R' B U' L' U L U' B U R b	
5.	R' B U' L' U' B L B L' R' L u' l r	

1.	L U B' L U R' U' R U B U'	
2.	B U B' U' L' R L' B L' U' B	
3.	U L B U' R' B R' L' B L' R	
4.	R B L R' L B' U L' U L' B'	
5.	B L R' U L B L U L' U B'	

1.	$(-5, 0) / (3, 3) / (-1, -4) /$ $(4, -2) / (-1, 0) / (-3, -3) /$ $(0, -5) / (2, 0) / (4, -2) /$ $(-1, -4)$	
2.	$(-2, 0) / (-3, 0) / (-3, 0) /$ $(0, -3) / (-1, -1) / (0, -5) /$ $(-3, 0) / (-2, -1) / (2, 0) /$ $(5, 0) / (-2, -5) / (0, -2) /$ $(0, -1) /$	
3.	$(6, -4) / (1, 1) / (-3, 0) /$ $(3, 0) / (5, -1) / (-3, 0) /$ $(0, -5) / (3, 0) / (-5, 0) /$ $(2, 0) / (-2, 0) / (-5, -4) /$ $(6, 0) /$	
4.	$(-5, 3) / (0, 3) / (-4, -1) /$ $(6, 0) / (-5, -2) / (-1, 0) /$ $(-3, 0) / (4, 0) / (-1, 0) /$ $(-2, 0) / (1, 0) / (4, -3) /$	
5.	$(1, 0) / (6, 3) / (3, 0) /$ $(-1, -4) / (-3, -3) / (0, -2) /$ $(0, -3) / (-2, 0) / (-4, 0) /$ $(4, -5) / (0, -3) / (4, 0) /$ $(-1, 0) /$	

2019-06-11

minx
Scrambles for 2019-06-11

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-- 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.	<div>UR4+ DR6+ DL4-</div> <div>UL2- U2- R2+</div> <div>D1- L1+ ALL4+</div> <div>y2 U1+ R4+</div> <div>D5- L1+ ALL6+</div>	
2.	<div>UR3+ DR0+ DL3-</div> <div>UL5- U3- R1+</div> <div>D0+ L4+ ALL4-</div> <div>y2 U2- R5-</div> <div>D1+ L5- ALL4-</div> <div>UL</div>	
3.	<div>UR3+ DR5+ DL1-</div> <div>UL0+ U4+ R3-</div> <div>D1+ L2- ALL4+</div> <div>y2 U1- R6+</div> <div>D6+ L6+ ALL6+</div> <div>DL</div>	
4.	<div>UR3- DR4+ DL3+</div> <div>UL2+ U5+ R5+</div> <div>D4- L5- ALL4+</div> <div>y2 U3- R3+</div> <div>D2+ L2- ALL5-</div> <div>UR UL</div>	
5.	<div>UR4- DR3+ DL3+</div> <div>UL1- U4- R3+</div> <div>D2+ L3+ ALL6+</div> <div>y2 U3- R3-</div> <div>D5- L2+ ALL1+</div> <div>UR DL</div>	

Fewest Moves

- > You have 60 minutes to find and write a solution.
- > Write 1 move per bar. To delete a move, clearly blacken it.
- > Your solution must not be directly derived from any part of the scrambling algorithm.
- > Your solution must be at most 80 moves, including rotations.
- > Your result will be counted in OBTM.
- > Only use notation from Article 12 of the WCA Regulations. If you are uncertain, use only the exact moves listed here:

Face Moves

Clockwise	F	R	U	B	L	D
Counter-clockwise	F'	R'	U'	B'	L'	D'
Double	F2	R2	U2	B2	L2	D2

Rotations

Clockwise	[f]	[r]	[u]	[b]	[l]	[d]
Counter-clockwise	[f']	[r']	[u']	[b']	[l']	[d']
Double	[f2]	[r2]	[u2]	[b2]	[l2]	[d2]

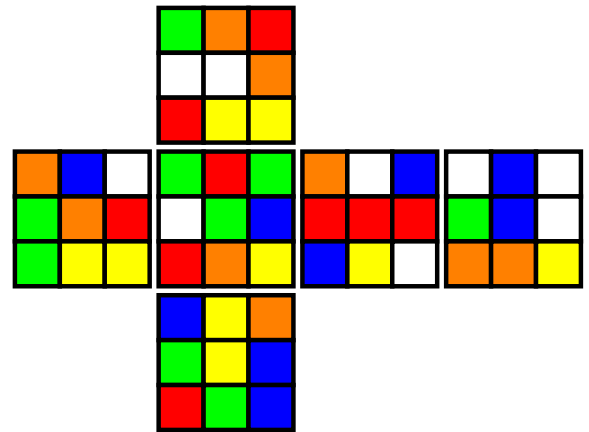
Scrambles for 2019-06-11
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

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.

Fewest Moves

- > You have 60 minutes to find and write a solution.
- > Write 1 move per bar. To delete a move, clearly blacken it.
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- > Your solution must be at most 80 moves, including rotations.
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Face Moves

Clockwise F R U B L D

Counter-clockwise F' R' U' B' L' D'

Double F2 R2 U2 B2 L2 D2

Rotations

Clockwise [f] [r] [u] [b] [l] [d]

Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d']

Double [f2] [r2] [u2] [b2] [l2] [d2]

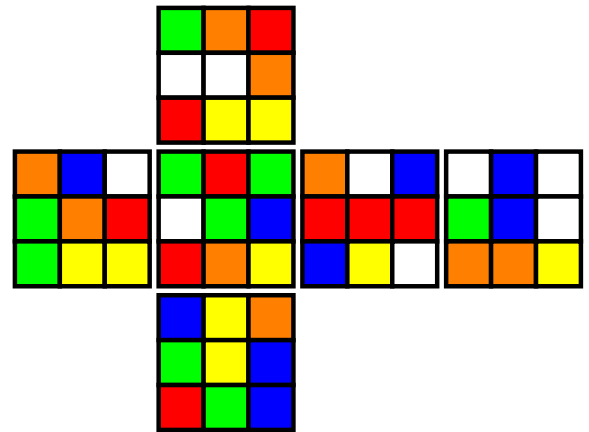
Scrambles for 2019-06-11
333fm

Competitor: _____

WCA ID: _____

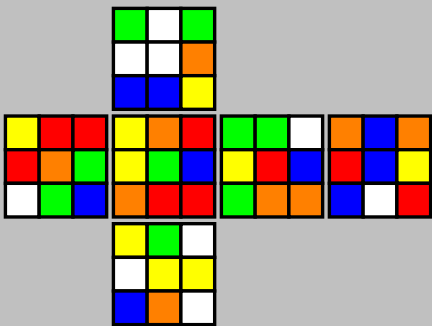
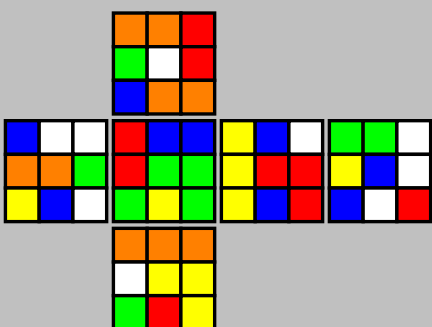
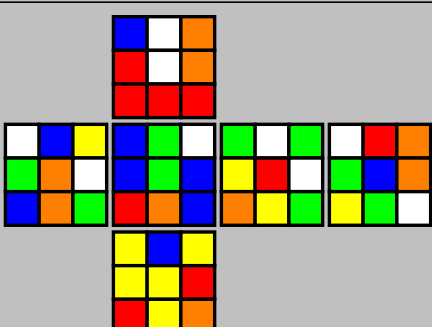
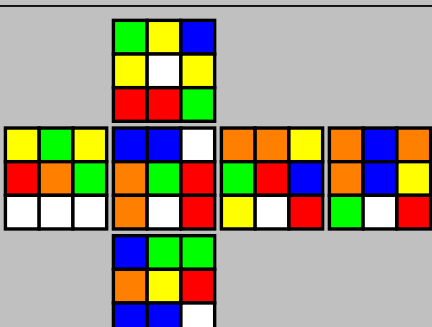
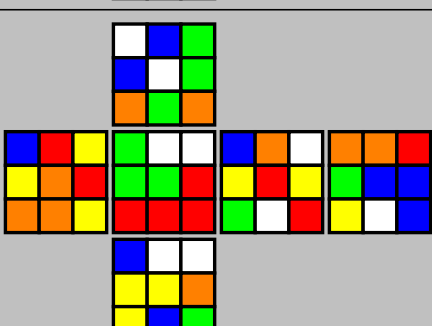
DO NOT FILL IF YOU ARE THE COMPETITOR.

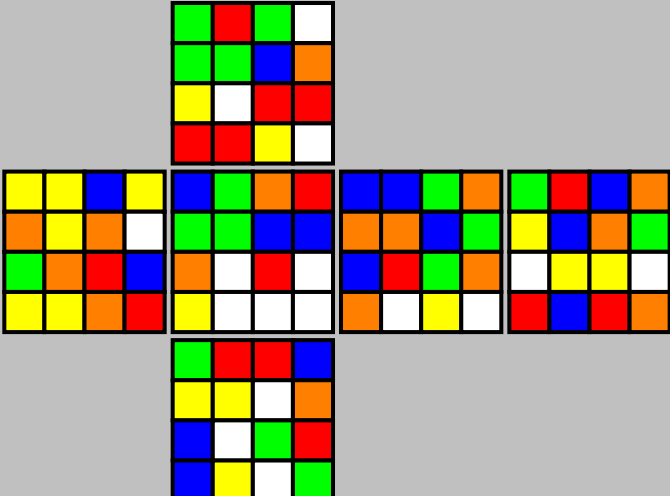
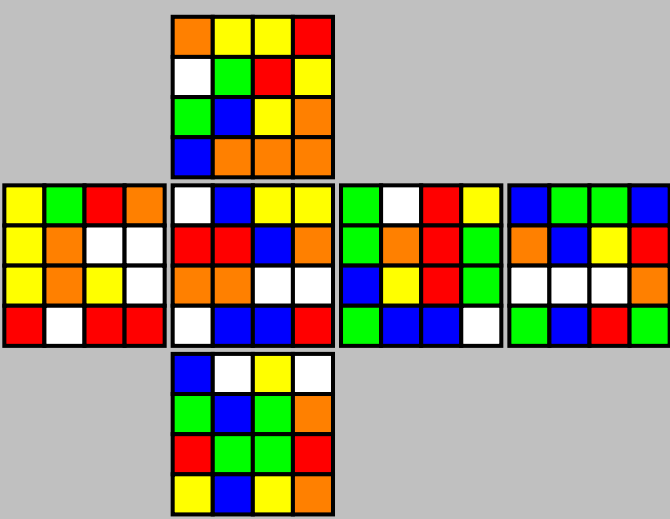
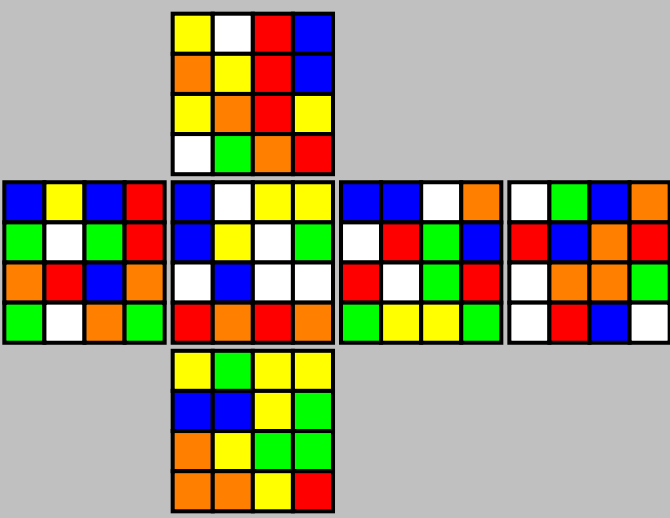
Graded by: _____ Result: ____



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

[illegible]

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

1.	<div>R F U' R D2</div> <div>R U F U2 L'</div> <div>U R2 D L2 D'</div> <div>L2 U' R2 B2 Rw2</div> <div>Fw2 R' F' Uw2 F'</div> <div>D2 R Uw2 U2 L</div> <div>R D' Fw2 Uw Fw2</div> <div>Uw' B' L' Fw U'</div> <div>Rw2 R' Uw R2 x2</div>	
2.	<div>L2 D2 B' D2 B</div> <div>R2 F' B' U2 R</div> <div>L2 F' U F' B'</div> <div>D F2 D R D</div> <div>Rw2 D Fw2 U R'</div> <div>U Fw2 R' U R'</div> <div>U D' B L Fw'</div> <div>R' B2 Uw' Fw' Rw</div> <div>Fw' Rw Uw' Fw x</div> <div>y2</div>	
3.	<div>R2 U2 L' B2 R'</div> <div>D2 R' D2 R' B</div> <div>L' B' U' R2 D2</div> <div>B R F2 D' L</div> <div>Fw2 R2 D' R Fw2</div> <div>F2 L Fw2 R2 D'</div> <div>R2 Uw2 U' Fw L</div> <div>U' B D' B Rw</div> <div>Fw R' F' B2 Rw2</div> <div>Uw2 z' y'</div>	

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

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

6.	B2	D	U2	R2	F2	D2	B2
	D	B2	R2	F'	R'	D2	U2
	B2	U'	R	B'	D2	L	F
	Rw2						

