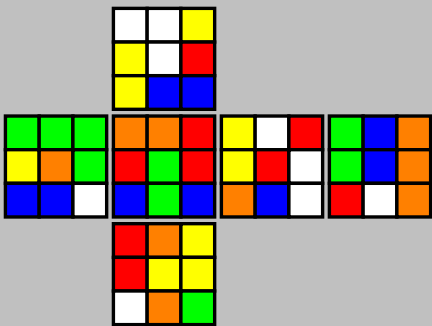
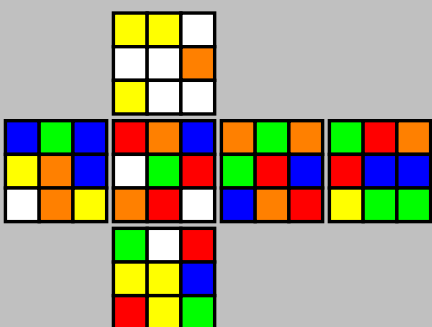
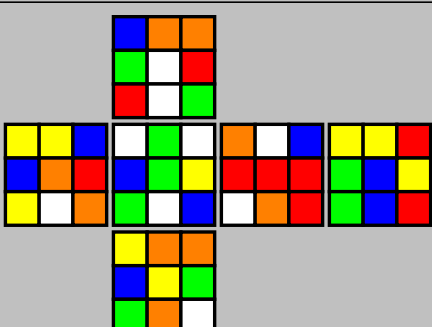
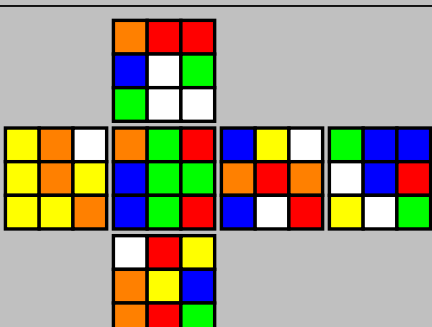
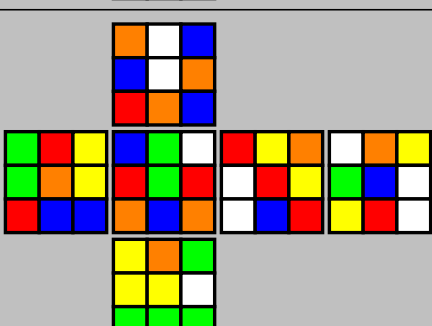
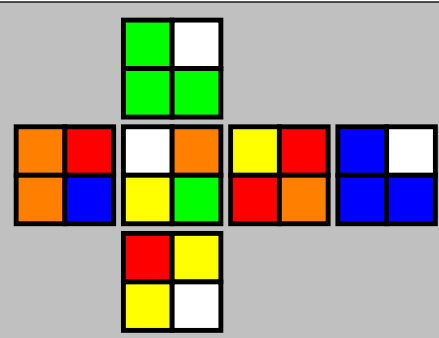
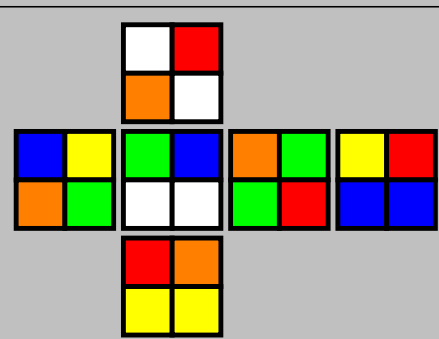
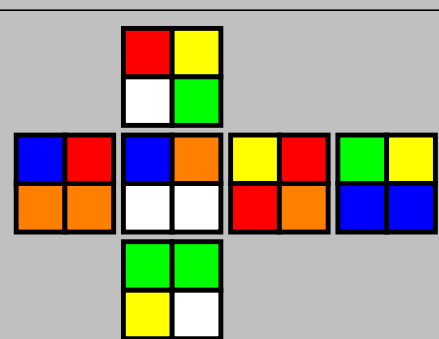
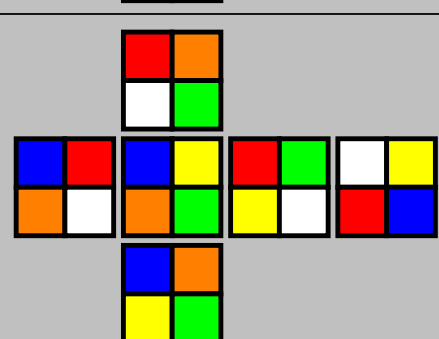
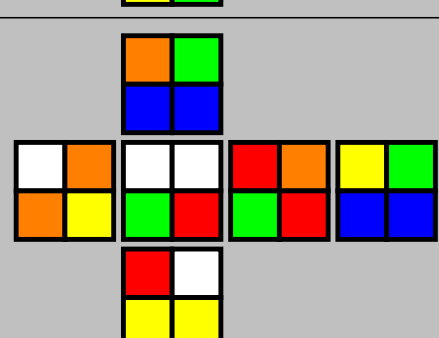
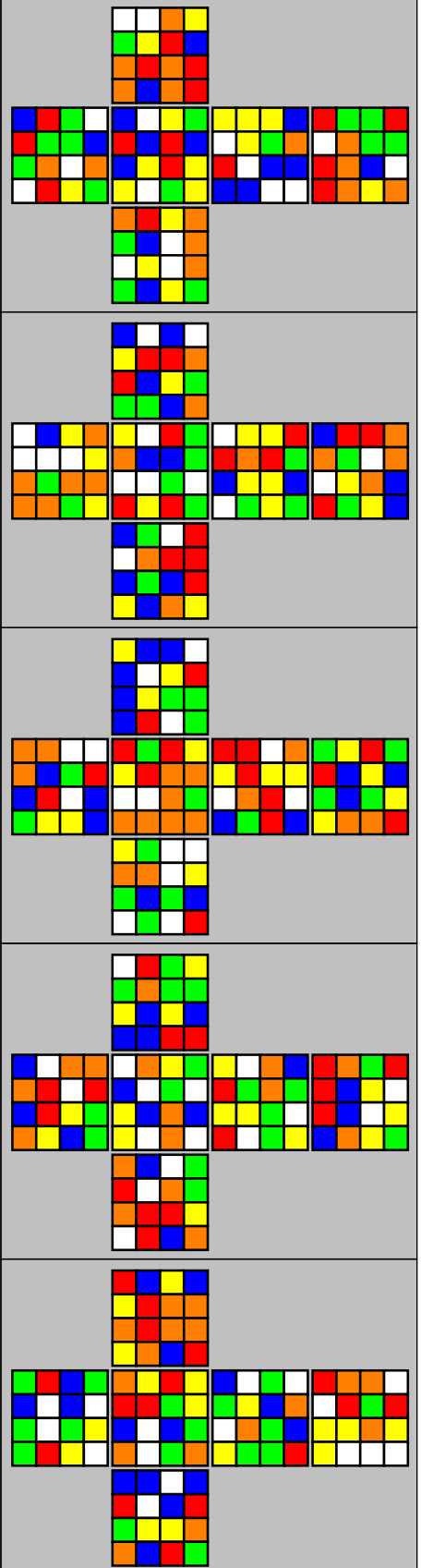
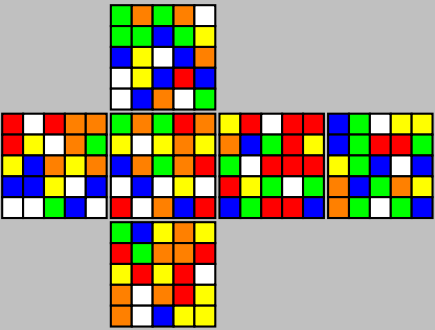
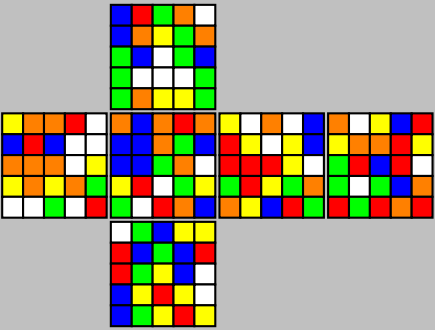
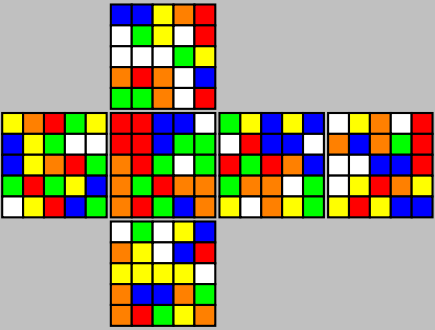
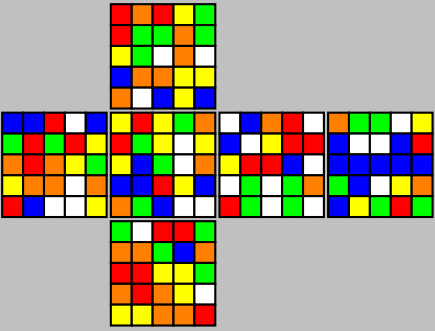
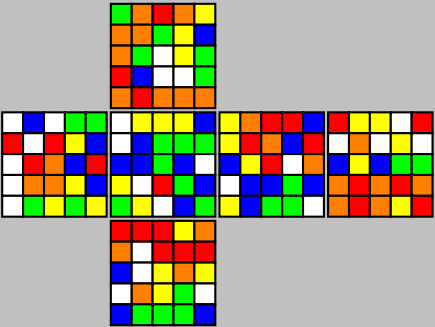


1.	<p>B2 U L2 D F2 R2 B2 F2 U R2 B2 L F' L2 B' R F D F R U'</p>	
2.	<p>D' B2 D R2 D' F2 D' F2 U2 R F2 R' F2 D B F2 D' U R'</p>	
3.	<p>D' B' L' F' R B R2 B2 D' F2 B' U2 F' D2 B' D2 R2 L2</p>	
4.	<p>U' L D2 L2 B' U' F' R2 B2 R L2 B2 D2 L2 D' R2 D F2 U2 L2</p>	
5.	<p>U F D L' B R' D2 B' R' L' U2 R2 B' D2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

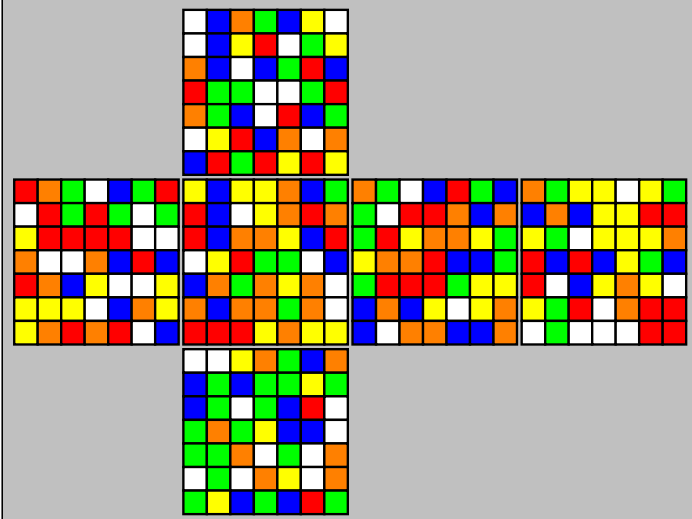
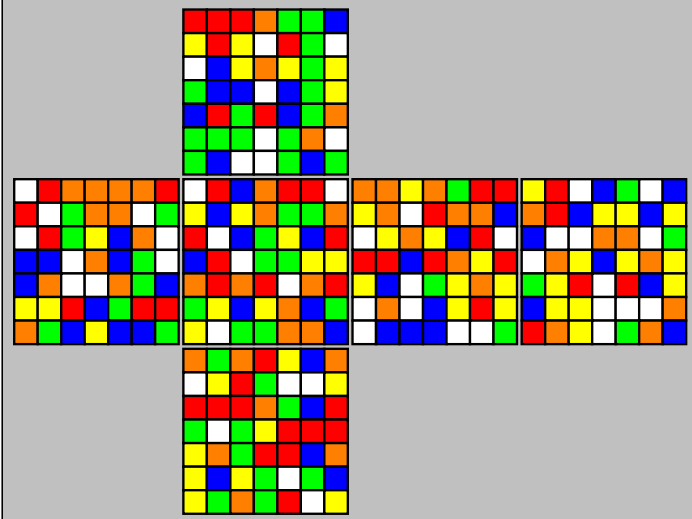
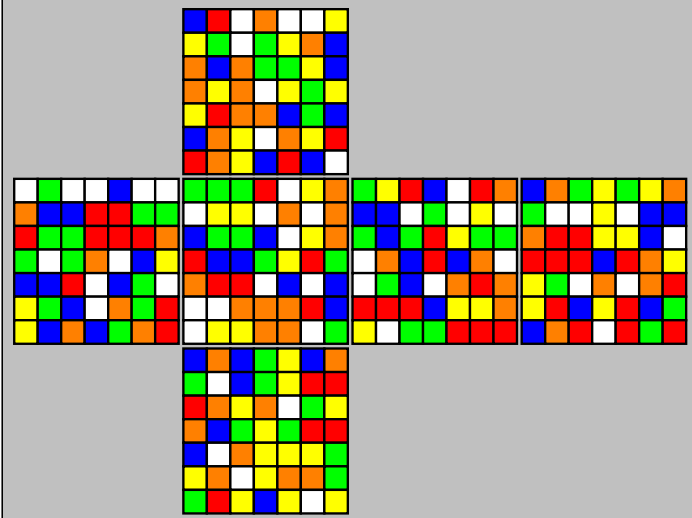
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2.	$R' U' F R^2 F' R' U' R U^2 F R$	
3.	$U^2 R' F R^2 U^2 R^2 U^2 F U^2 F' R$	
4.	$U' R' U F U^2 F' R U' R' F R^2$	
5.	$U R F' U R' U^2 F U^2 F R^2 U'$	

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

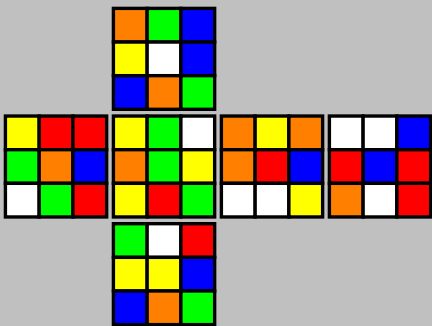
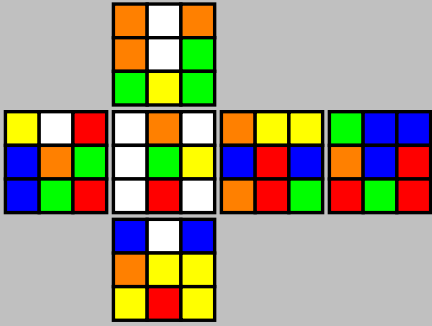
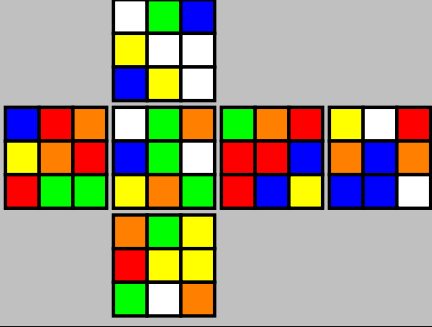
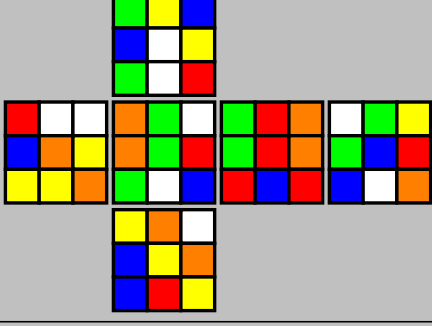
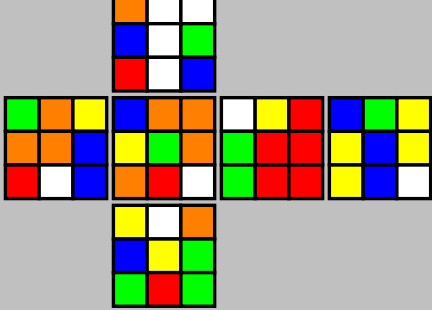


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2.	Rw' U R' Lw2 D L' Dw U2 Bw Lw' B' Fw F Rw Uw L' Bw Rw D2 Bw' B Uw Lw' U' Rw Dw D2 Uw' L' Dw2 Lw F2 U' Uw' Rw Bw2 L D2 B' U2 Uw Lw Dw2 L2 Lw Fw R' L2 Fw Rw' U' D' Uw Rw B2 Uw' F B2 R2 F	
3.	D' Fw' Rw' Fw2 Bw U' Uw Lw2 B' Uw' U R2 F' Fw D' Uw2 Lw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

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

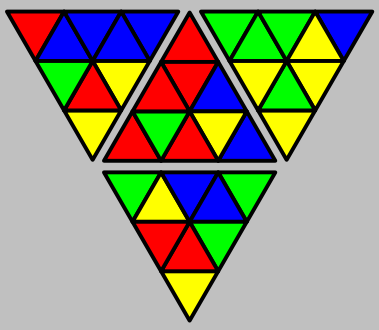
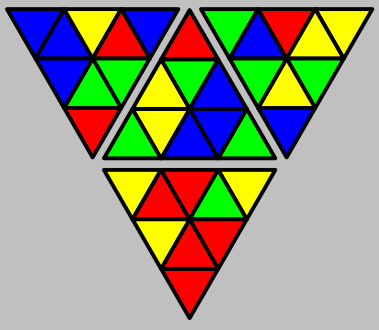
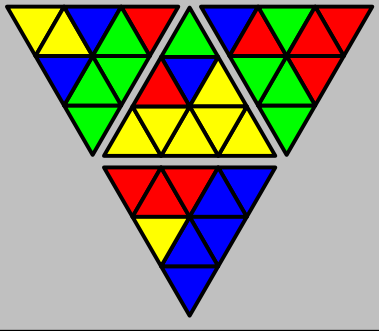
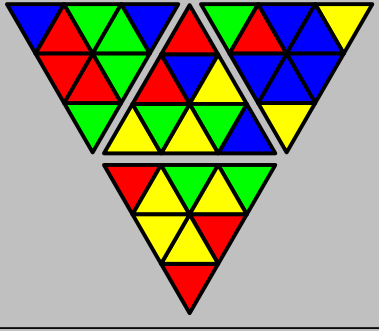
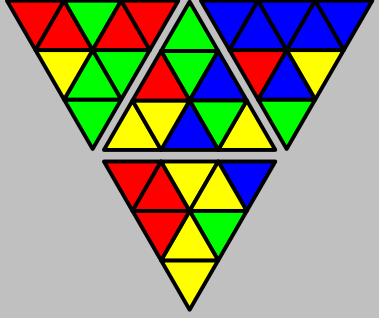
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2.	<div>R2 3Bw2 3Fw2 L Lw2 U 3Dw'</div> <div>3Bw2 Fw2 Rw' R 3Uw' L' Uw'</div> <div>Dw2 3Uw2 D 3Lw' Bw2 3Lw2 L'</div> <div>Lw2 Uw' Fw2 L 3Uw2 Dw Fw2</div> <div>3Bw' D2 Dw F2 L2 3Uw' 3Rw2</div> <div>3Dw 3Fw L2 D 3Uw' F 3Uw2</div> <div>Lw2 3Uw2 F' 3Bw2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

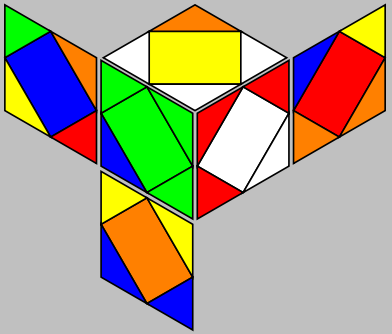
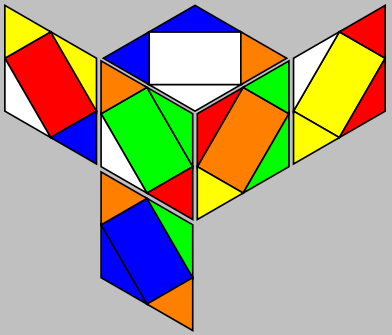
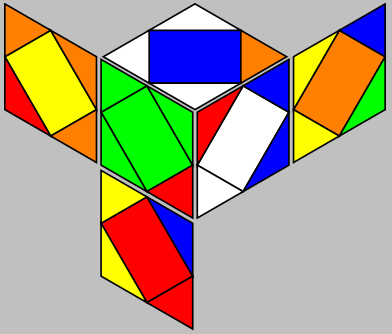
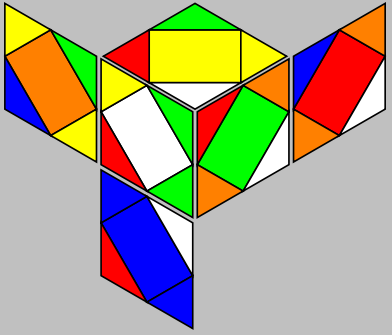
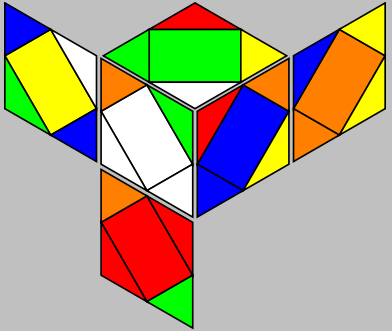
1.	<div>D2 F2 U B2</div> <div>L2 B2 D2 R2</div> <div>D' B2 F2 L'</div> <div>R' D' B L</div> <div>R2 F L2 D</div> <div>U2 Rw2 Uw'</div>	
2.	<div>F2 U B2 D</div> <div>R2 U' B2 R2</div> <div>U L2 B2 L</div> <div>B' F2 D R'</div> <div>U F' D' U'</div> <div>F Rw' Uw'</div>	
3.	<div>F2 U2 L2 R2</div> <div>U'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

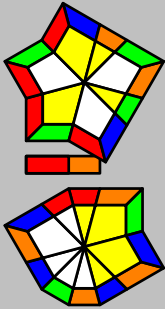
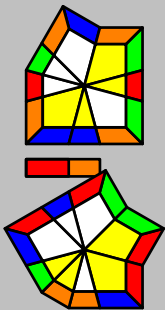
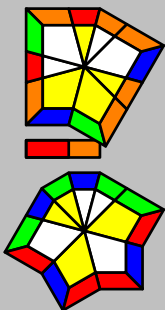
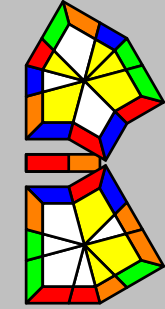
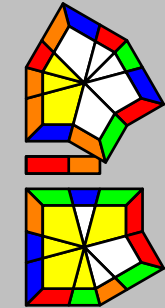
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2.	D L F^2 D B L^2 F' L^2 U R F' B R^2 B D^2 R^2 F' R^2	
3.	U^2 R^2 F^2 D' R^2 D L^2 U' L^2 R^2 F^2 L B' D' F^2 D' U B' D' U'	
4.	U^2 R B^2 R F^2 L F^2 U^2 R D^2 U^2 B' D B^2 F D' F^2 D^2 L' B	
5.	L^2 B F U^2 B^2 F' L^2 B D L^2 D' B U^2 R^2 F' D L' R	

2019-05-28

pyram
Scrambles for 2019-05-28

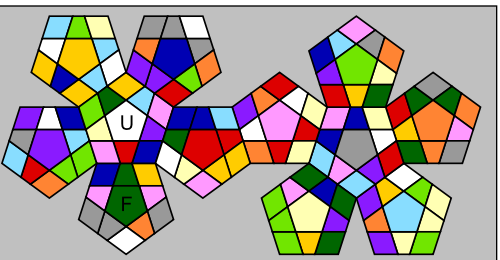
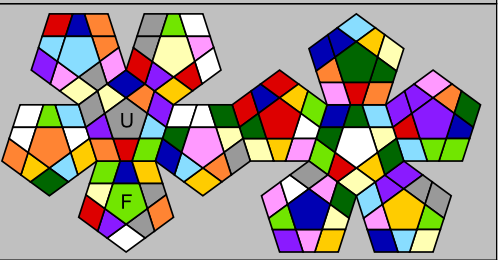
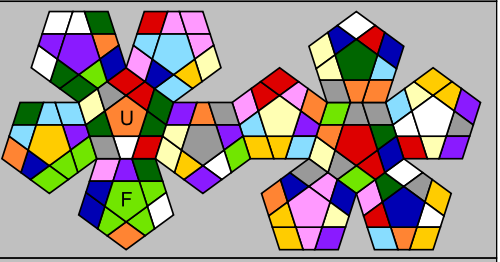
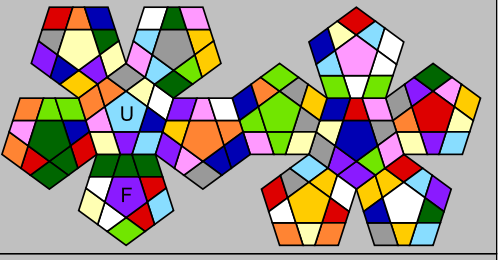
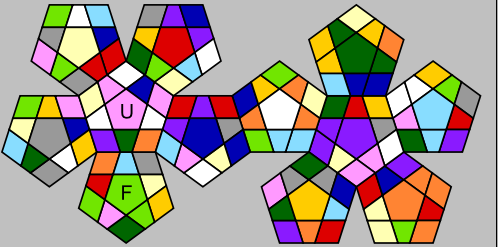
1.	U L U R' U' L' B R' B' U B l r b'	
2.	B' R U R' L B U' B' R' B' L u' l r	
3.	B' L' U' L' B' L B' U' R' B' R' u'	
4.	B' L' R U L' B R' L B' L B u l' r' b	
5.	R' B L' R L B' L' U B' U' B r	

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

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

2019-05-28

minx
Scrambles for 2019-05-28

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++ 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++ R++ D-- U'	

2019-05-28

 clock
 Scrambles for 2019-05-28

1.	UR1+ DR2 - DL2 - UL1+ U6+ R1+ D1+ L2 - ALL4 - y2 U4 - R5 - D2 - L0+ ALL5+ UR	
2.	UR2+ DR1+ DL2 - UL4+ U3 - R5+ D0+ L5+ ALL4 - y2 U3+ R6+ D2 - L6+ ALL5+	
3.	UR1+ DR1 - DL4 - UL5+ U2+ R5+ D1 - L1+ ALL3+ y2 U5+ R4 - D3 - L3 - ALL4 - DR	
4.	UR6+ DR3+ DL1+ UL2 - U1 - R2+ D6+ L2 - ALL4+ y2 U6+ R4 - D4+ L3 - ALL6+	
5.	UR3+ DR2 - DL4 - UL4 - U4 - R2 - D6+ L6+ ALL4 - y2 U1+ R4 - D0+ L0+ ALL5 - DL	

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]

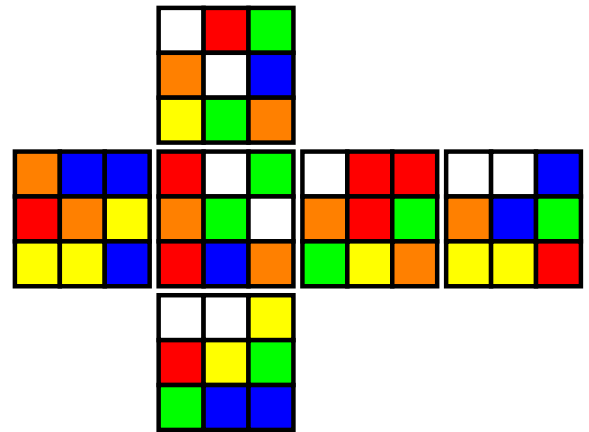
Scrambles for 2019-05-28
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

[illegible]

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]

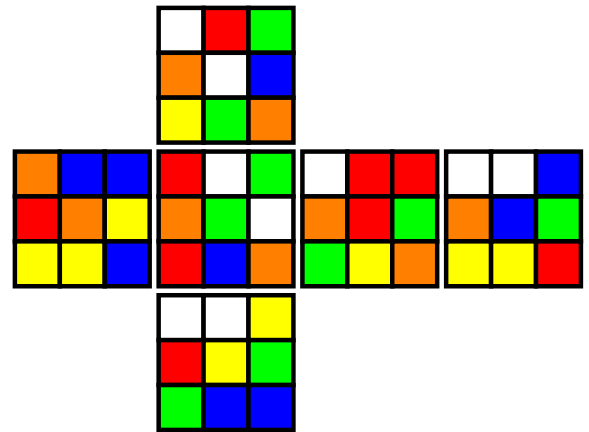
Scrambles for 2019-05-28
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____

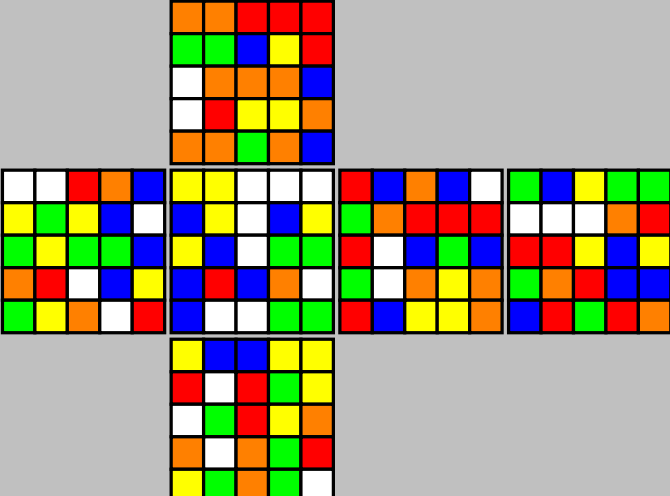
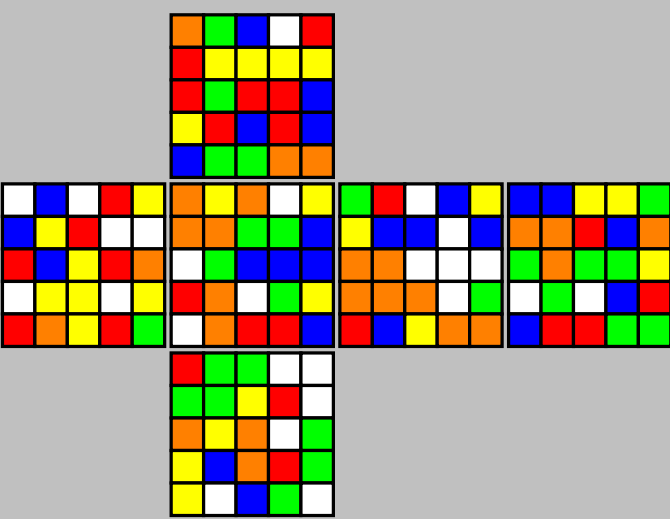
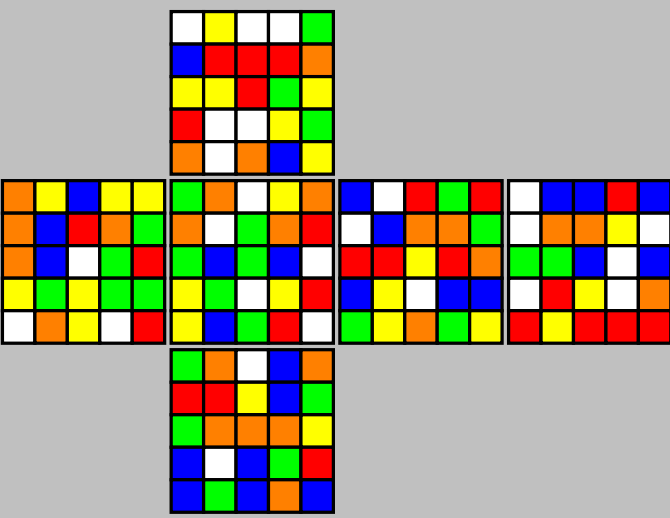


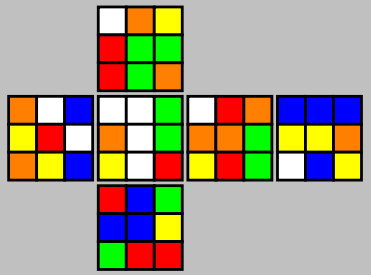
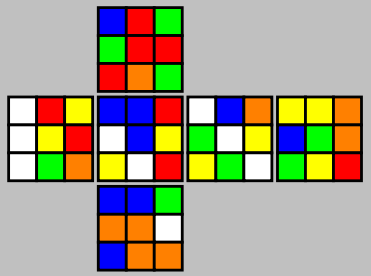
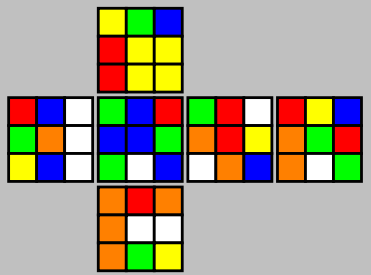
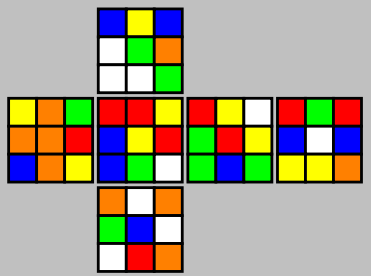
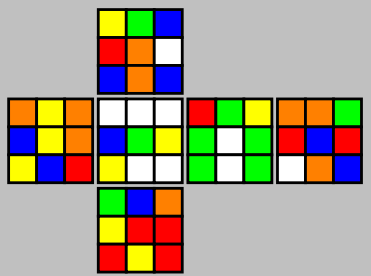
Scramble: R' U' F R' D2 R' F2 R F2 L2 U2 F2 L' B' F' L U B' U2 F' D' F' U' F R' U' F

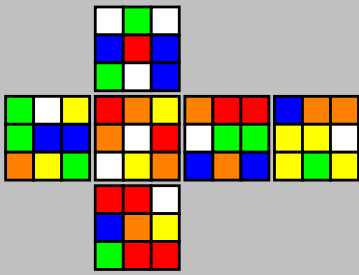
This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire page. There are no margins, text, or other markings present.

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

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

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

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

6.	B2	L'	B2	L2	R	F2	D2	
	R2	F2	D2	R'	U'	L	D	
	F	D	U	B	U2	L'	U'	
	Fw'	Uw'						