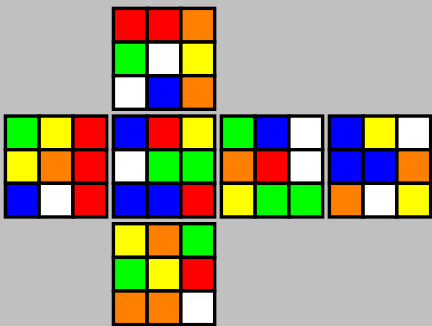
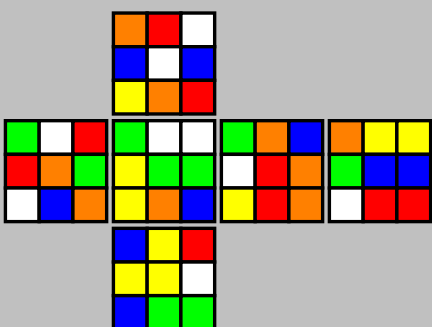
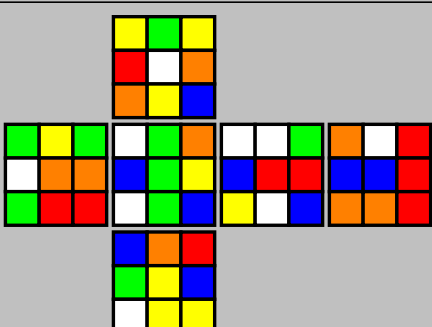
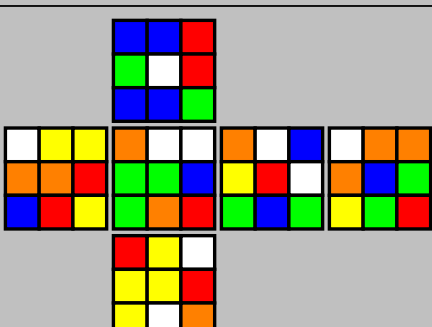
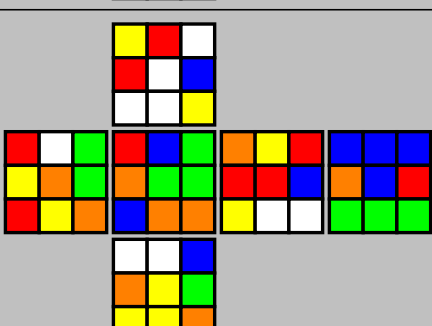
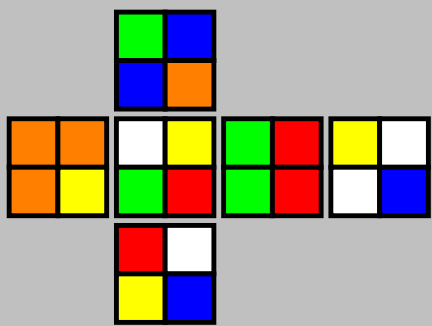
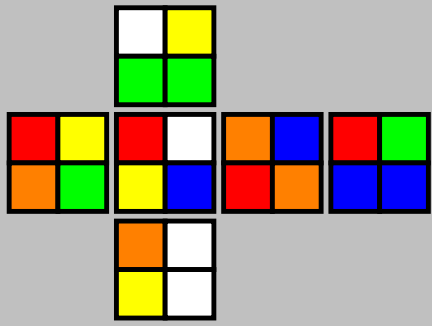
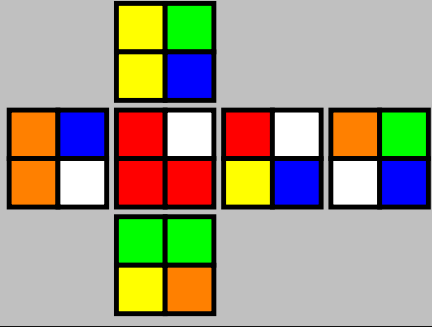
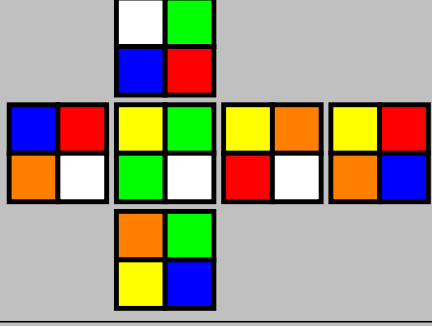
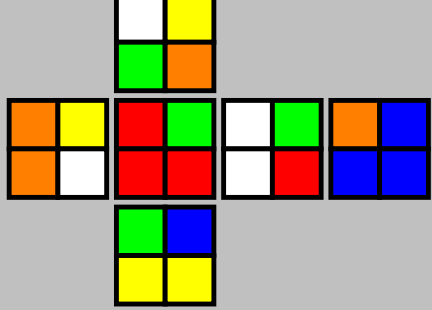
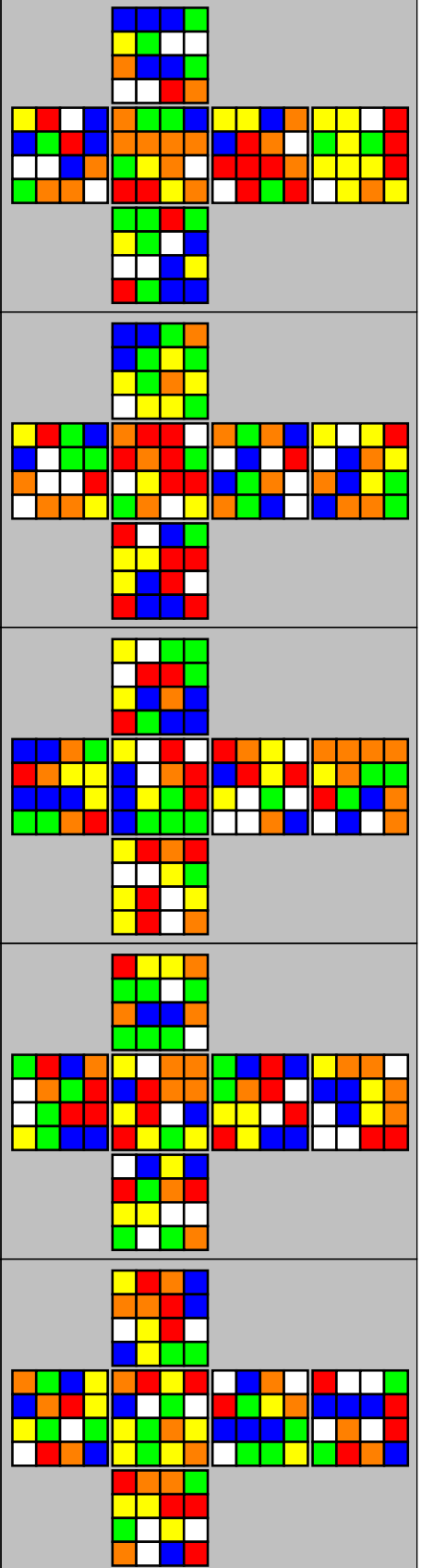
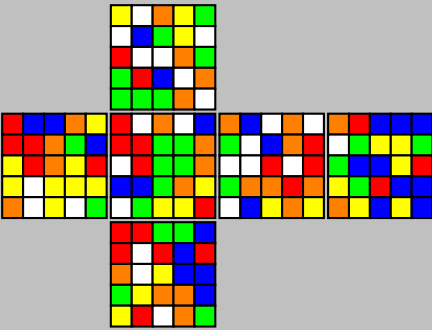
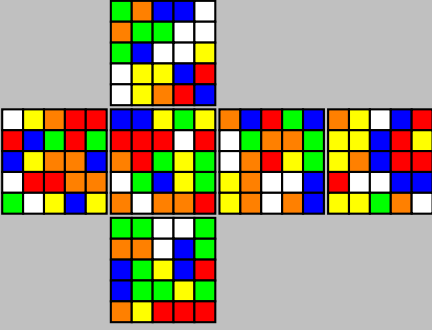
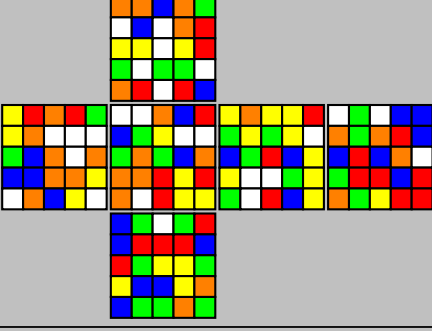
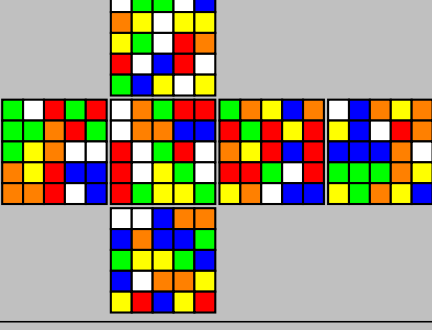
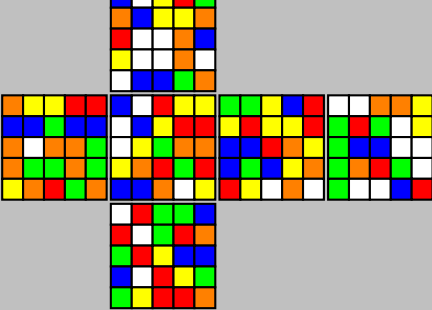


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3.	F^2 D' B' L U^2 F' R U' F^2 U' L^2 B' R^2 B' D^2 F' L^2 F^2 R^2 B' U^2	
4.	D^2 B' U R' F B U^2 B U' R' U^2 B' U^2 R^2 B U^2 R^2 F^2 B U^2	
5.	F' U^2 L B D' L B^2 L' F U' R^2 F' D^2 F^2 B^2 L^2 F R^2 D^2 B	

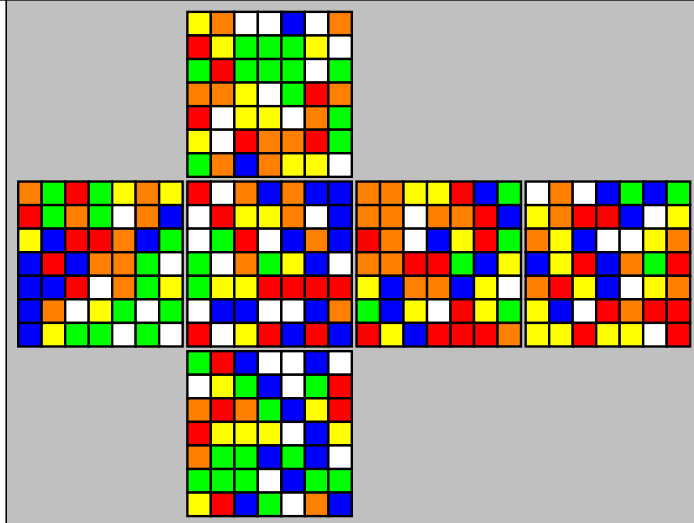
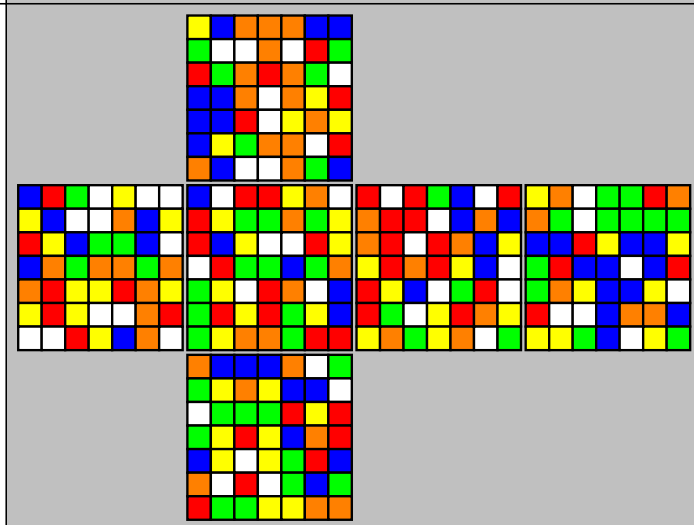
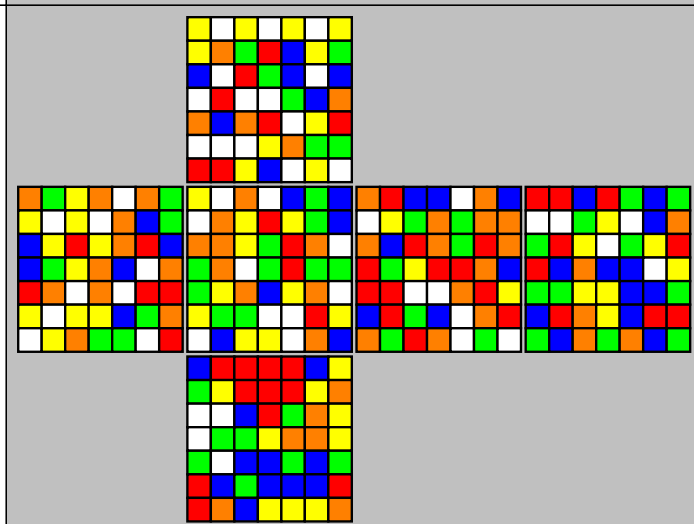
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3.	$U F' U' R^2 U' R^2 U^2 R^2 U' R' U'$	
4.	$R' F^2 U' F U R^2 U' R' U^2 R' U^2$	
5.	$U R' F U' F U F^2 R^2 U^2 R' U'$	

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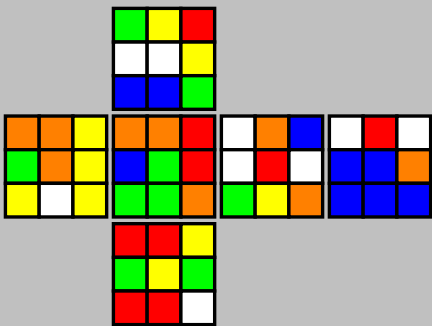
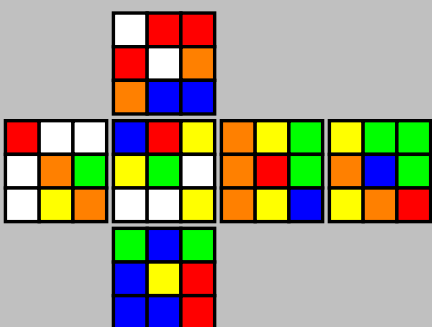
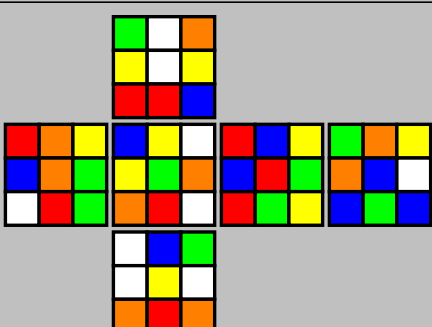
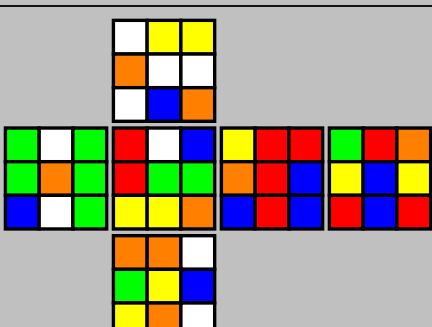
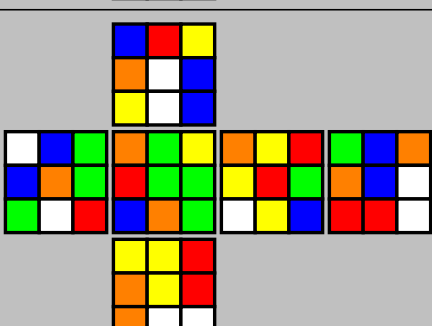


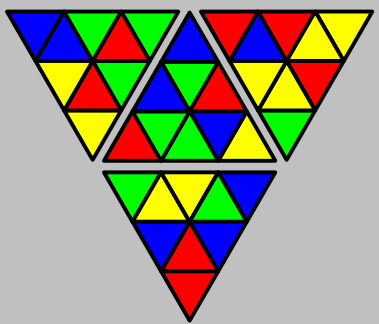
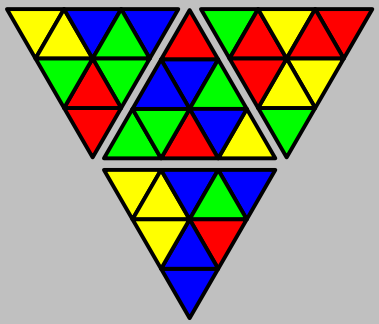
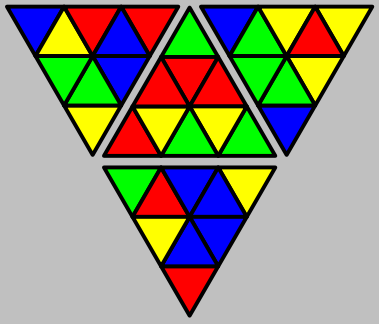
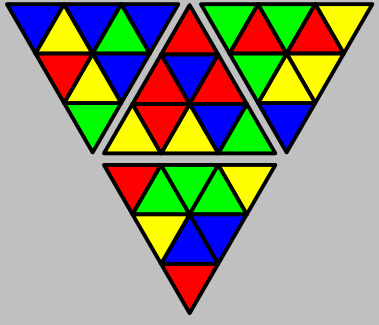
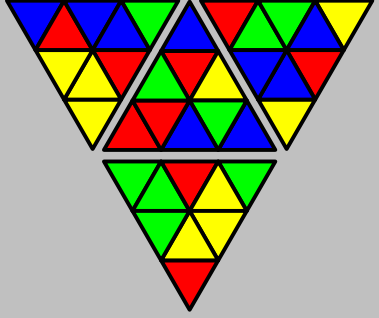
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2.	R F U Lw Dw' F' Bw' U Dw Bw D Rw' Bw' Fw2 Uw' F Rw' Lw2 B Bw2 R Bw2 R' Lw Fw2 R2 Uw' B Uw Rw D' B Lw' R2 U2 Dw B L U2 Rw2 Bw2 D Bw2 Dw D' L2 U' F' Fw2 U' Fw U B2 L Fw L2 B2 L Dw2 Lw	
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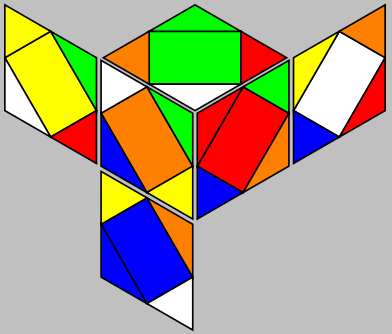
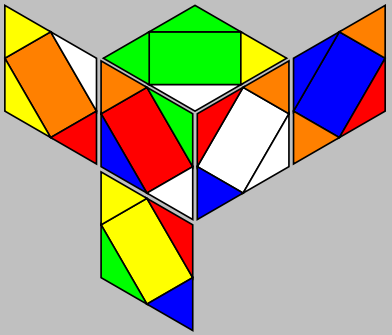
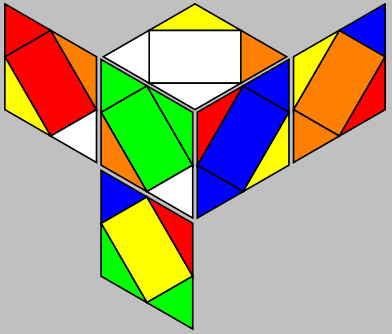
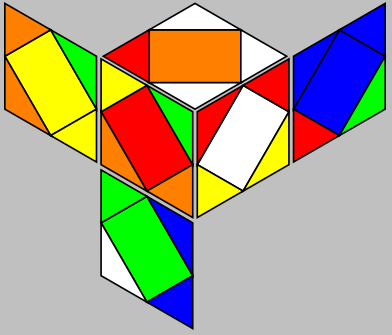
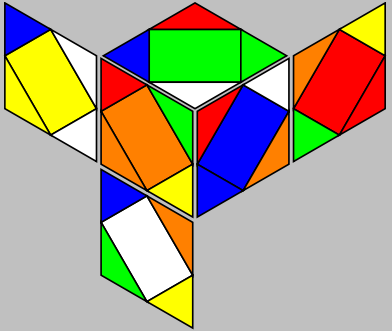
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	Bw	Uw'	3Rw2	Rw	R2	Uw2
	Fw	3Fw2	Uw2	U'	Rw'	3Rw2
	F	Uw'	Rw'	B2	3Rw'	Bw2
	F'	Fw'	Dw	L2	Bw	Lw
	Uw	R'	F2	D2	3Fw'	D2
	Dw2	B'	Lw'	U2	Dw'	Uw
	L'	Fw	B	L2	Lw	3Rw2
	F2	Bw2	3Uw2	Lw	L	3Fw'
	Rw'	U	D	F'	Bw2	U'
	3Uw2	Bw	3Uw2	Dw2	Lw2	Dw
	3Uw	Fw'				
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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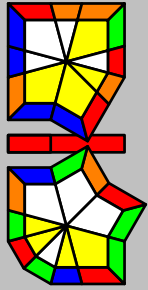
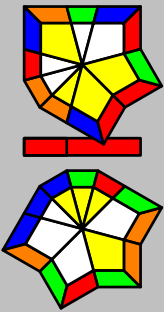
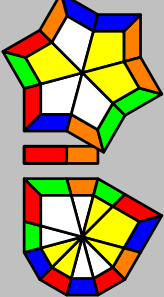
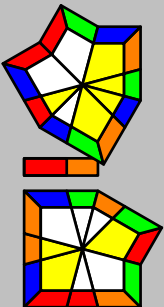
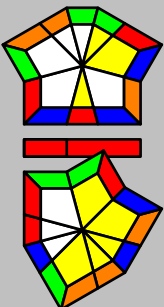
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Lw2	R'	3Fw'	3Lw'	3Dw	3Fw'	3Dw																																																																																																					
3Bw2	Fw2	F2	B2	Rw'	F	Fw'																																																																																												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

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

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

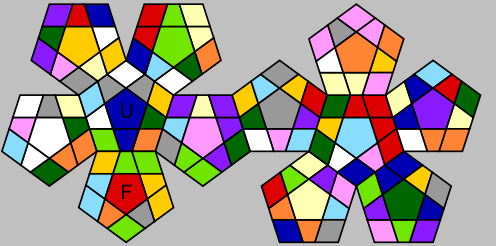
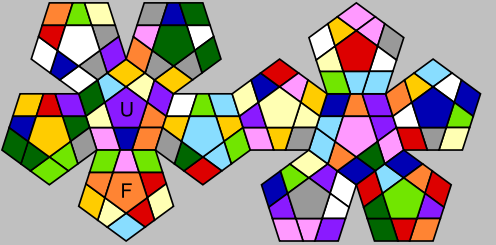
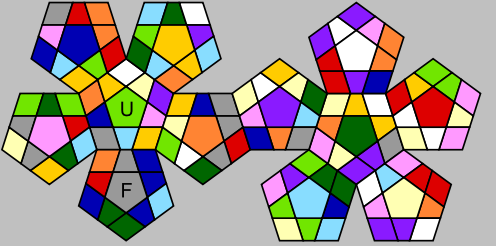
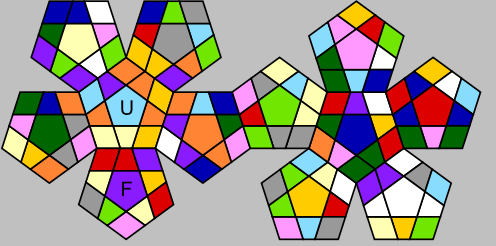
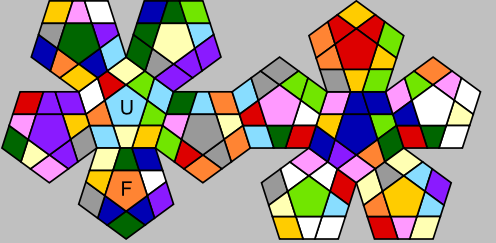
1.	U B U L B U' B' R' U L' U u l r'	
2.	L R B U' R' U' L' B L R' L' u r'	
3.	U' L' B L U B R' U R' U L' u l' r' b'	
4.	L U' R' U' B' L' R U' R' L U u l r b'	
5.	U B U' B' L U B' R' B R U u' r' b	

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

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

2019-06-24

minx
Scrambles for 2019-06-24

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++ 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'	

2019-06-24

 clock
 Scrambles for 2019-06-24

1.	UR3+ DR3+ DL2- UL2- U1+ R4+ D5+ L1- ALL6+ y2 U6+ R5- D5+ L5- ALL3+ UR DL UL	
2.	UR4- DR2+ DL5- UL0+ U3+ R5+ D2+ L3- ALL3- y2 U1- R6+ D4- L4- ALL2+ UR DR	
3.	UR1+ DR1+ DL0+ UL1- U3+ R3- D4+ L4- ALL3+ y2 U5- R5- D0+ L1+ ALL3- UR DL UL	
4.	UR5+ DR0+ DL3+ UL5- U5+ R3+ D1+ L4+ ALL2- y2 U5+ R2- D2- L3+ ALL3- UR DL	
5.	UR3+ DR4- DL4+ UL0+ U5+ R3- D1- L0+ ALL1+ y2 U3- R0+ D3- L4+ ALL4+ DR UL	

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]

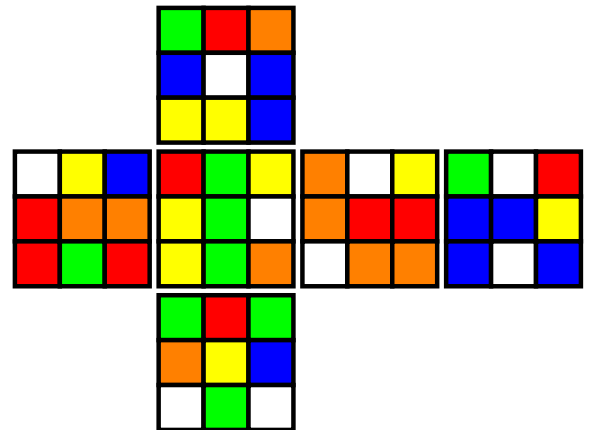
Scrambles for 2019-06-24
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

A blank sheet of white paper with a light gray grid pattern. The grid consists of evenly spaced horizontal and vertical lines, creating a series of small squares across the entire page. 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.
- > Your solution must not be directly derived from any part of the scrambling algorithm.
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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]

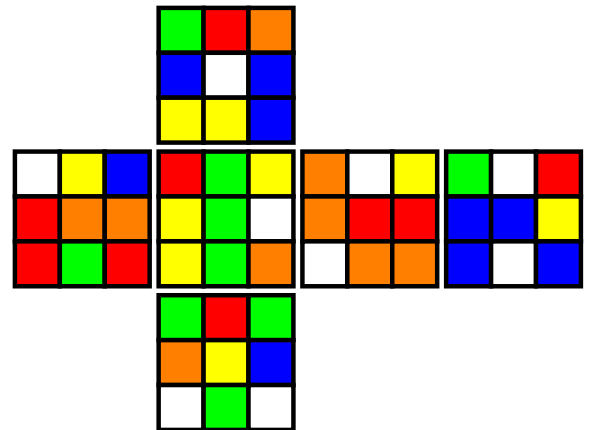
Scrambles for 2019-06-24
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

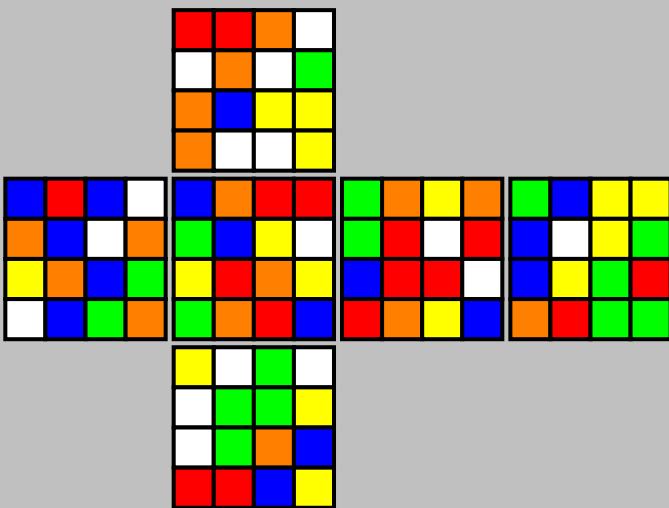
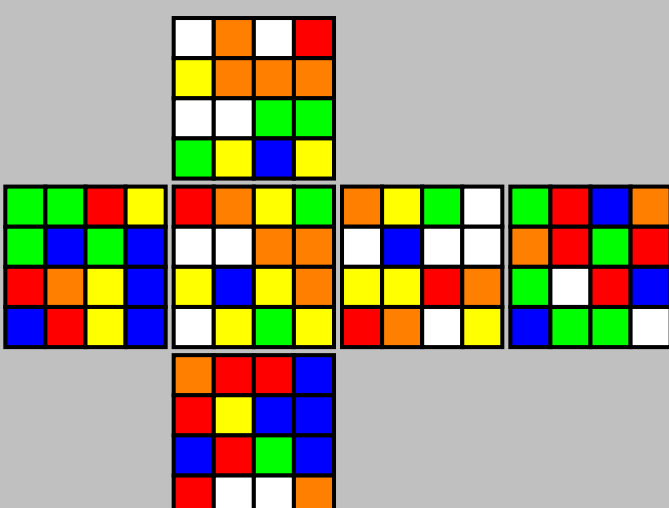
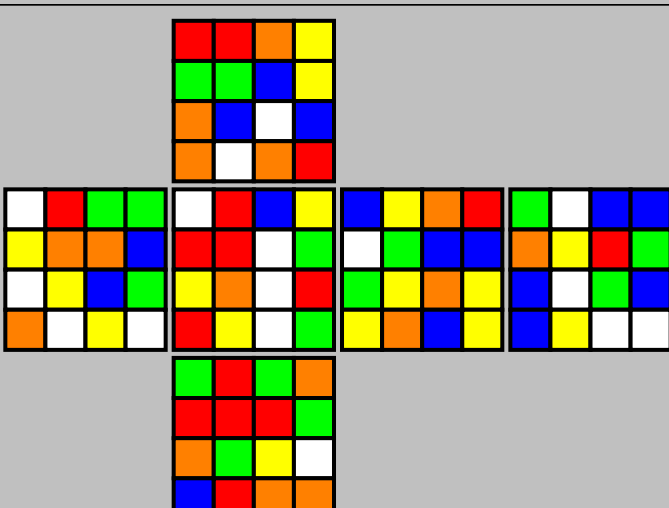
Graded by: _____ Result: ____

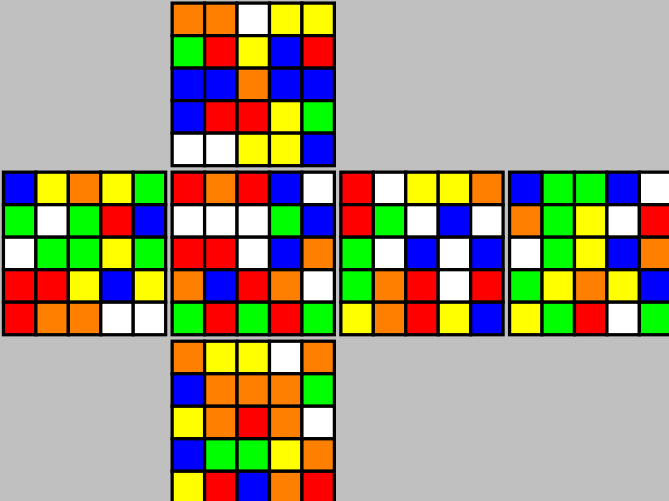
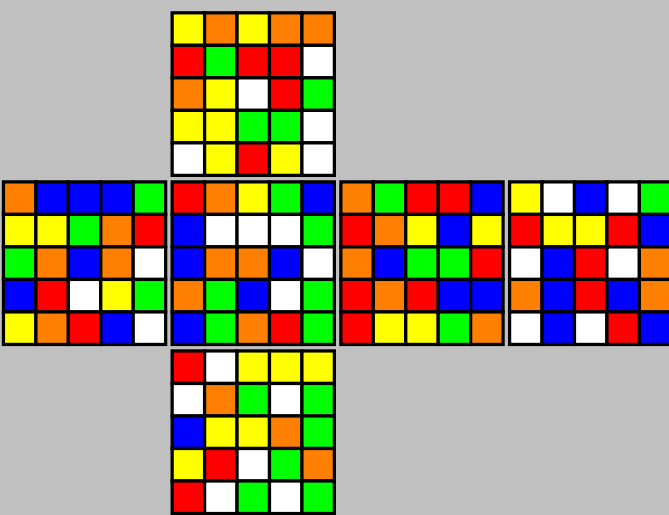
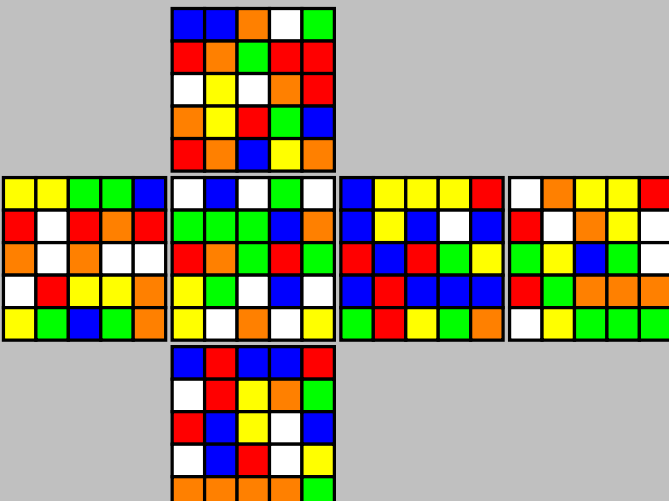


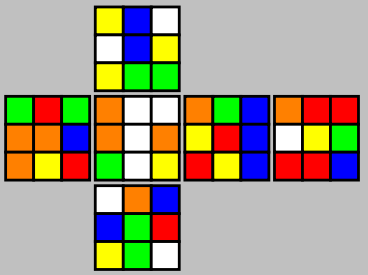
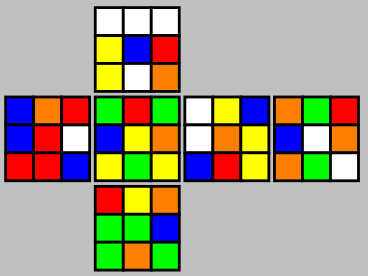
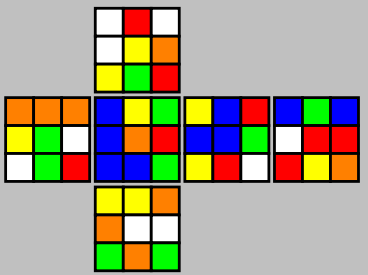
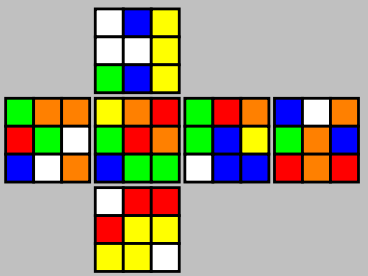
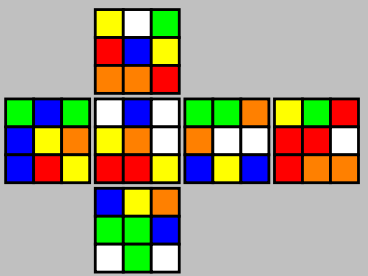
Scramble: R' U' F D2 F2 U2 B2 L2 D' U L' D' B2 L D2 L' F' L' D2 F' R U' R' U' F

[illegible]

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

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

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

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

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

