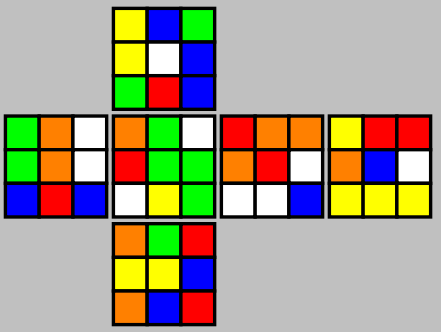
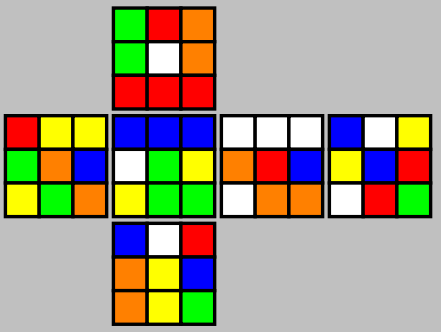
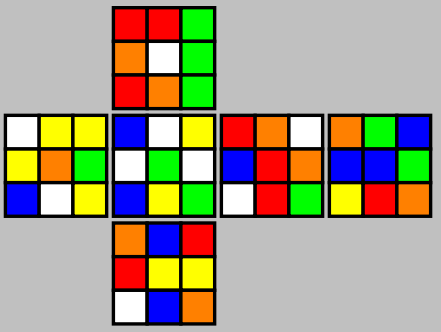
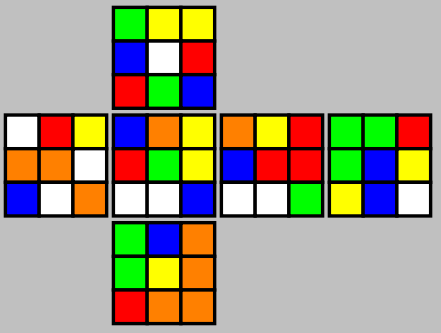
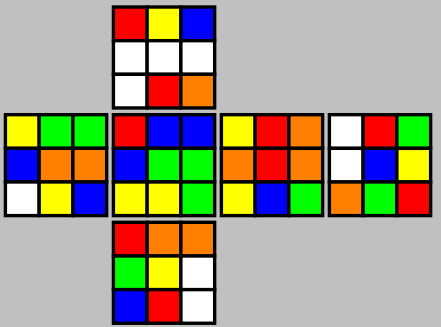
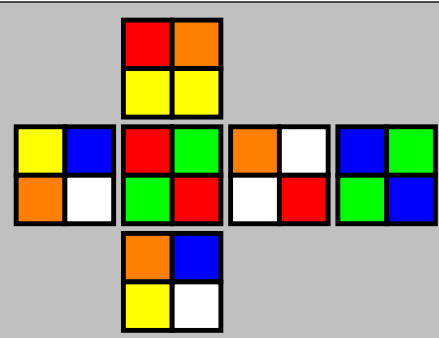
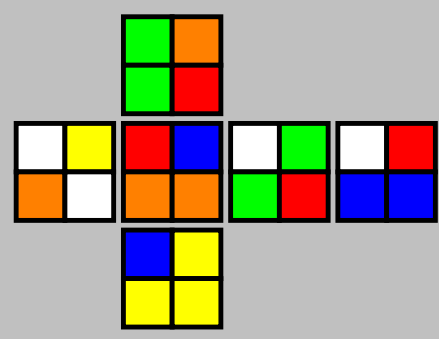
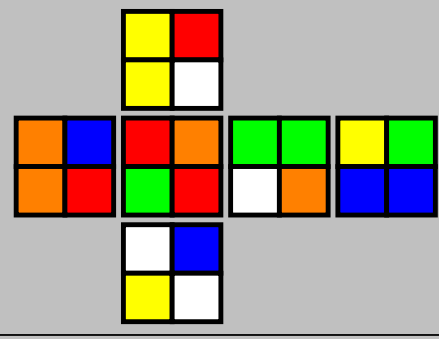
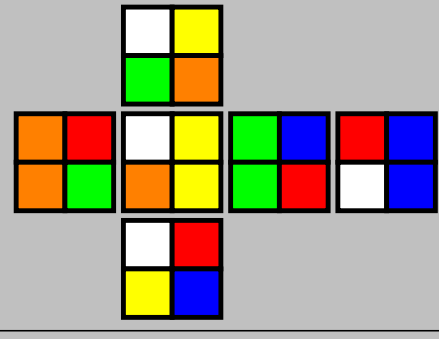
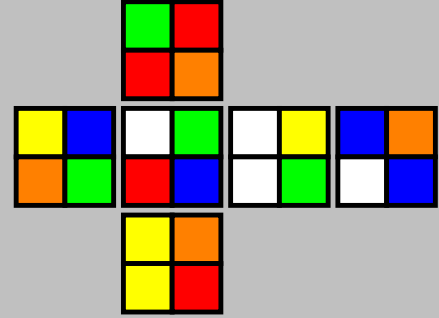
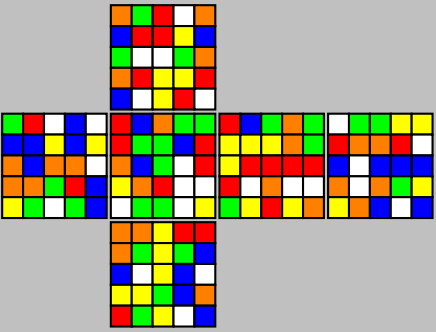
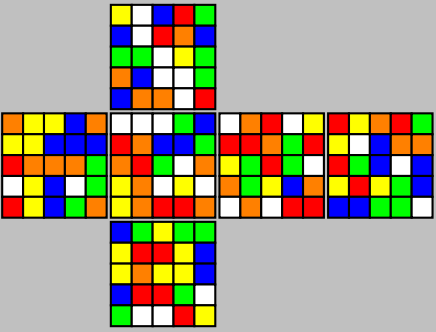
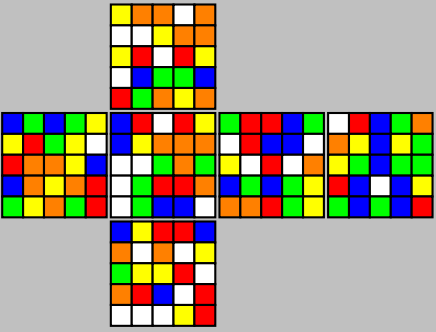
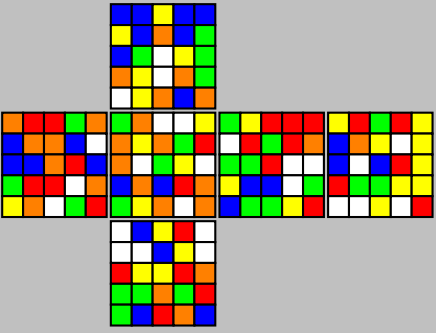
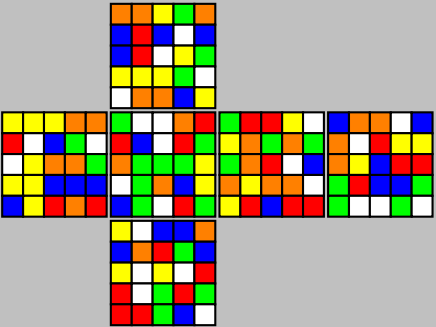


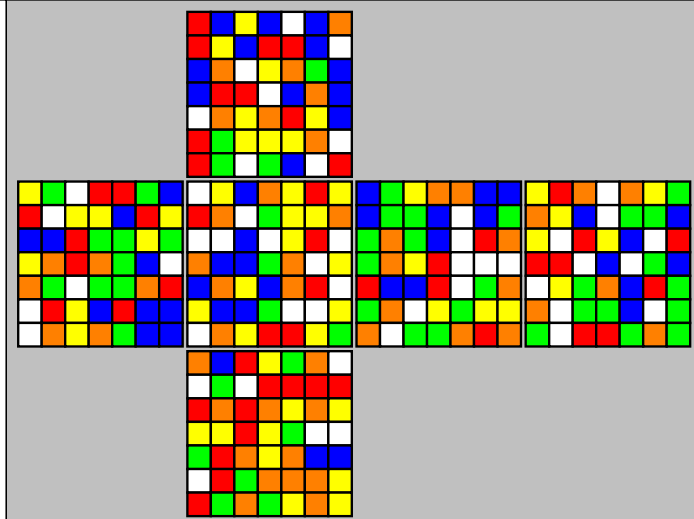
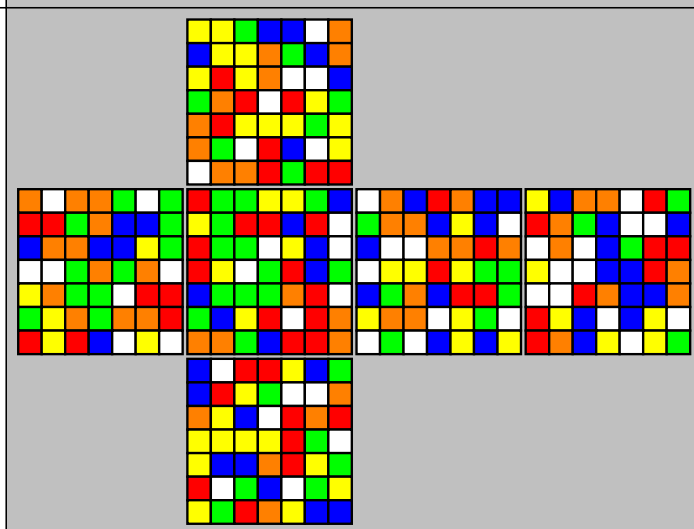
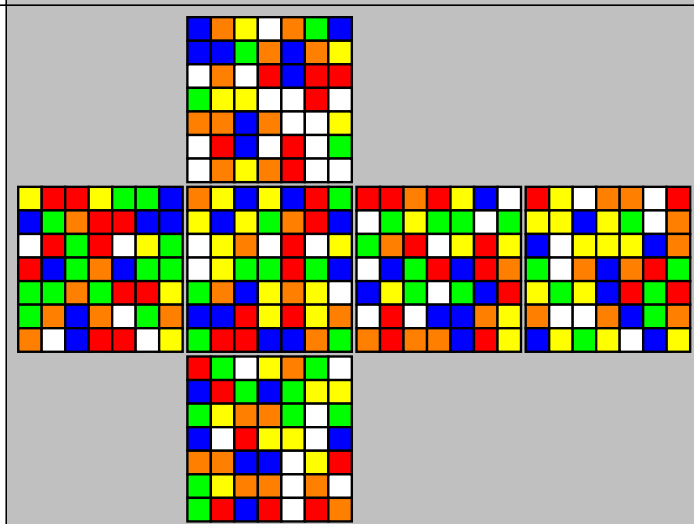
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2.	<p>U2 L2 B L2 D2 U2 F' D2 B U' B F D B2 L' D R D B2</p>	
3.	<p>B R D L2 U L' U' R2 F' U R U2 R2 F B D2 R2 F</p>	
4.	<p>L2 B' R B' D F' B2 L' D' R' U' B2 R2 F2 D2 L2 U F2 U D</p>	
5.	<p>F2 U' F2 D F2 R2 D' F U2 F2 L D' L R' D2 B2 R'</p>	

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

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

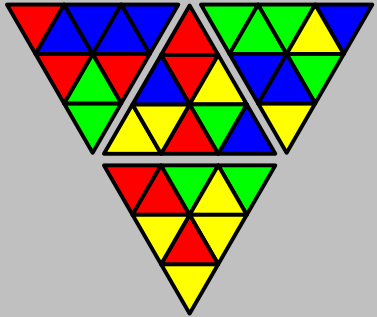
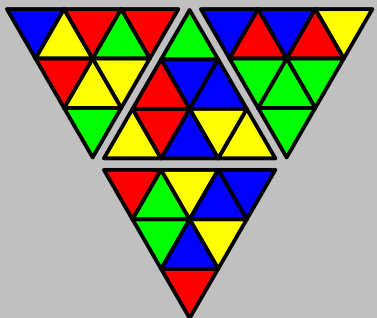
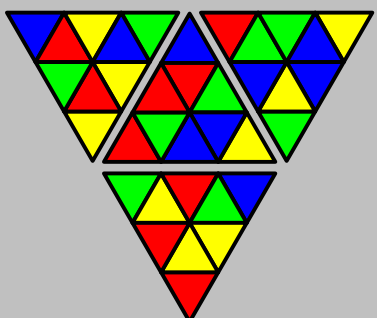
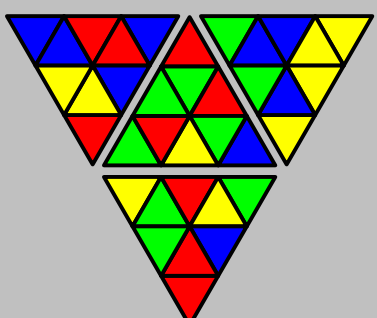
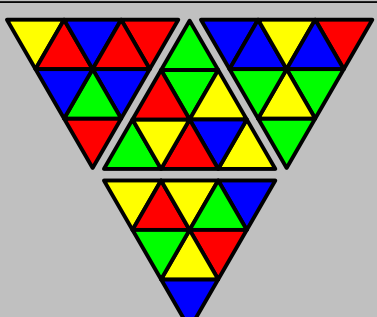
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2.	Fw F' Dw2 U2 F' Rw' B' R F' B' R2 Dw Uw' U' D' Rw2 Bw' Rw2 F2 Dw Rw Dw F B2 Lw Fw' Lw' B Lw Uw' Dw' R2 Uw U2 R2 Fw' Bw U D' Dw Lw' D' Rw B2 R2 F' Fw' Rw Fw F' U' B2 R2 U D2 Bw' Lw' Dw2 R' Rw	
3.	B2 Lw' D' U' L2 F2 U Fw Bw D' Fw U' Uw2 Lw' Dw' Bw'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

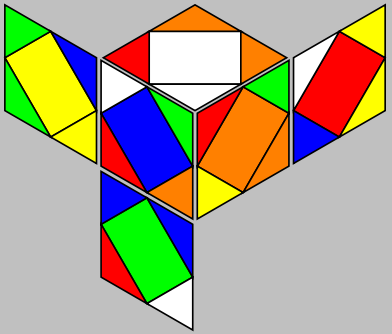
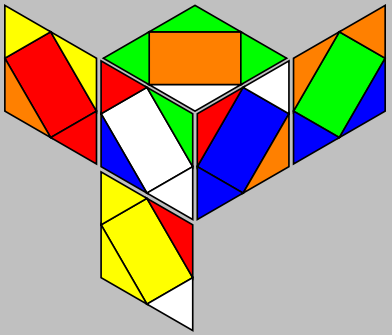
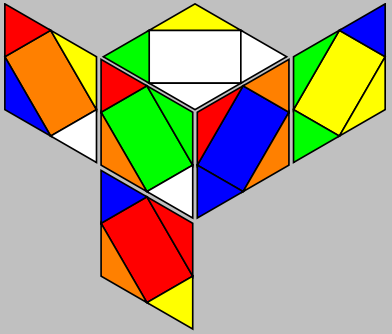
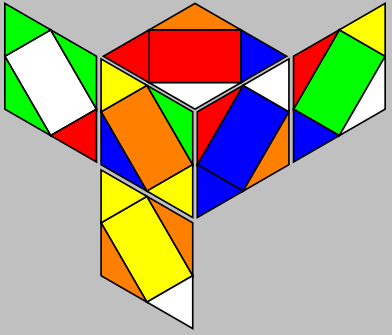
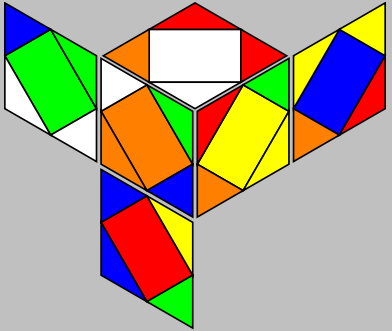
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	3Rw	F'	3Fw2	Uw	U'	R2
	3Uw	L'	Lw'	D'	3Fw'	Fw2
	Rw'	3Rw2	L2	D2	F	Bw2
	R2	D2	F2	3Uw'	Uw'	R
	F	D'	3Rw	Bw'	Dw2	Lw
	3Fw2	Fw'	Uw2	R'	3Uw2	D'
	Dw	Rw2	U2	3Rw2	Dw'	Fw2
	Lw'	F2	Dw2	Fw2	F	L'
	R'	Dw'	Rw	3Fw2	F2	B
	D2	B'	Rw2	Dw	Uw2	Bw'
	3Fw2	3Uw2				
2.	Fw	Lw2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

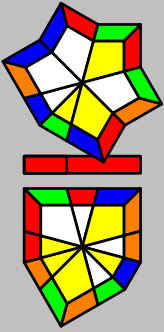
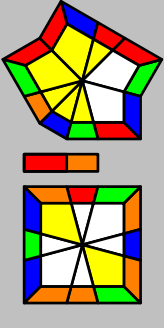
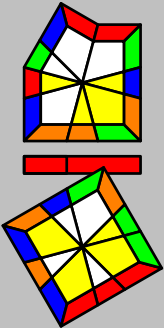
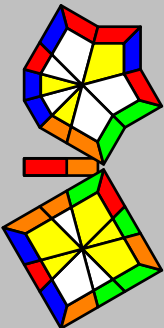
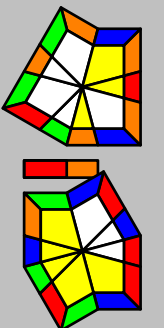
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R'	Fw	F'	Rw2	3Fw	U2	D2																																																																																																					
Uw	3Rw2	L'	B	Bw	3Uw	Lw2																																																																																																				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

Generated by TNoodle-webscrambles-v0.14.0

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

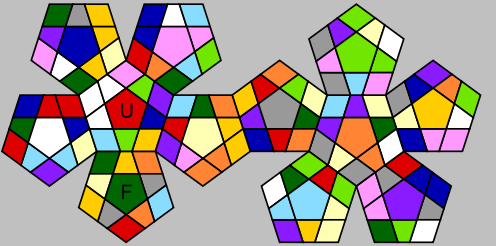
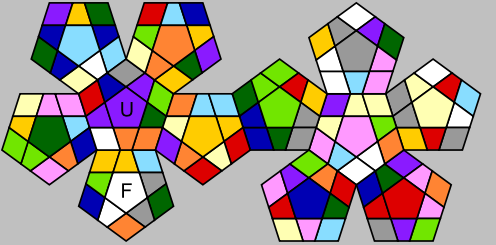
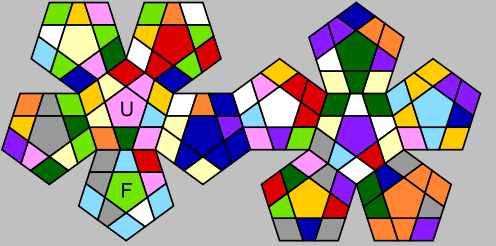
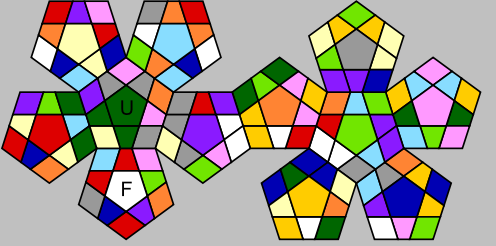
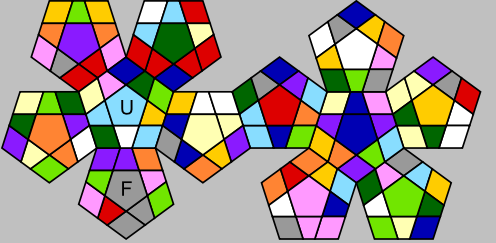
1.	$U' L B' L' R B U' R' U B L' r' b'$	
2.	$U' R' B' U' L U' R B U B' R u' l b'$	
3.	$U' B' U R' B' U' R B' L R' L' u' l r' b$	
4.	$U' L U B' U' R L U R' L' B' u' l' r'$	
5.	$L' B' L' B U' L' B L' R' U B' l r' b'$	

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

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

2019-06-23

minx
Scrambles for 2019-06-23

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

2019-06-23

 clock
 Scrambles for 2019-06-23

1.	UR1+ DR2+ DL1- UL4- U3+ R1- D0+ L5+ ALL0+ y2 U4+ R5- D4+ L1+ ALL1+ UR DR DL UL	
2.	UR3+ DR4+ DL5- UL4- U2- R0+ D5+ L4- ALL3- y2 U2- R2- D4- L4+ ALL5+ UR DR	
3.	UR4- DR1+ DL0+ UL4- U5- R1- D4+ L2- ALL0+ y2 U2+ R3+ D3+ L4+ ALL1- UR DR UL	
4.	UR5- DR2+ DL4- UL1- U3+ R2- D4- L4+ ALL4- y2 U1+ R5+ D6+ L5+ ALL0+ UR DR DL UL	
5.	UR1+ DR3- DL2- UL4+ U5+ R3+ D2+ L6+ ALL5+ y2 U3- R6+ D2+ L3+ ALL1+ UR	

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]

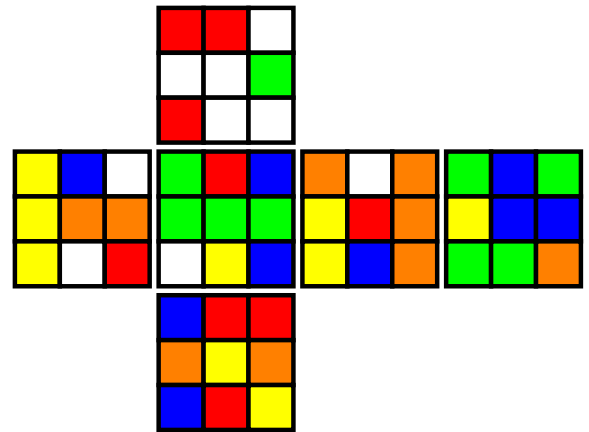
Scrambles for 2019-06-23
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

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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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]

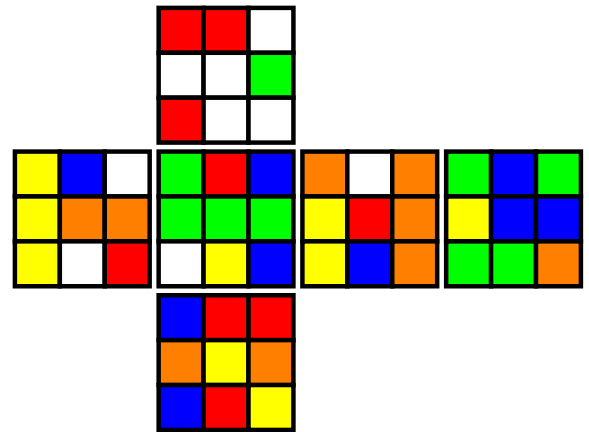
Scrambles for 2019-06-23
333fm

Competitor: _____

WCA ID: _____

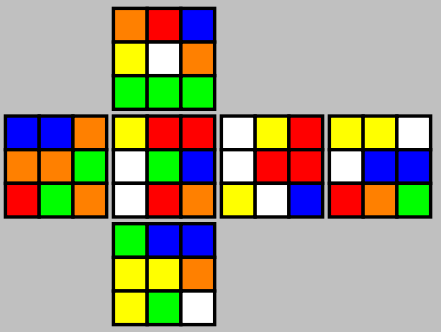
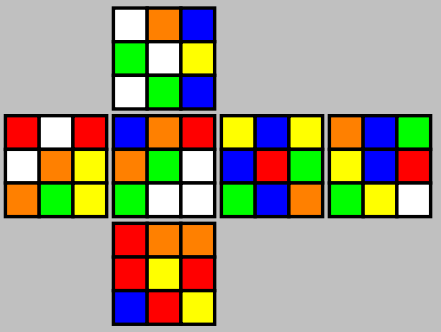
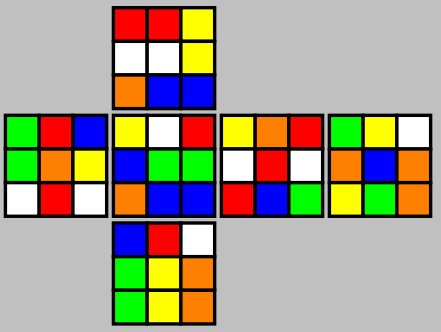
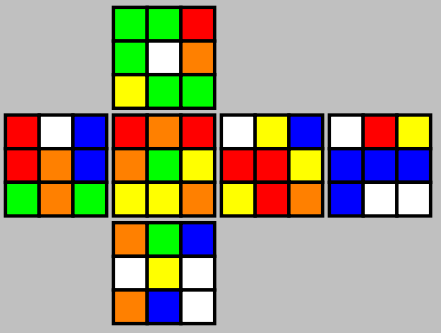
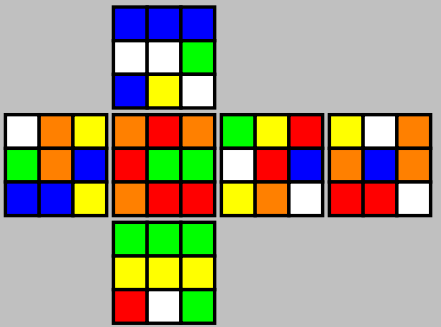
DO NOT FILL IF YOU ARE THE COMPETITOR.

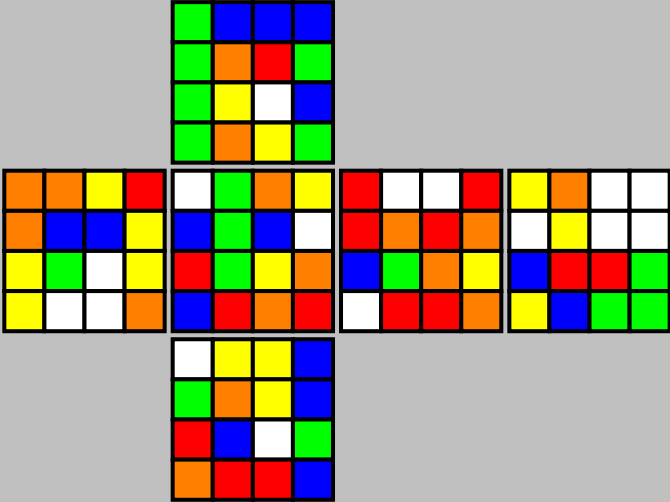
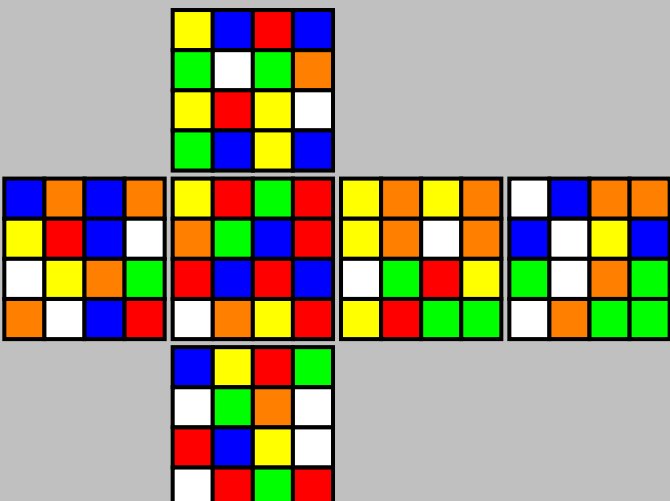
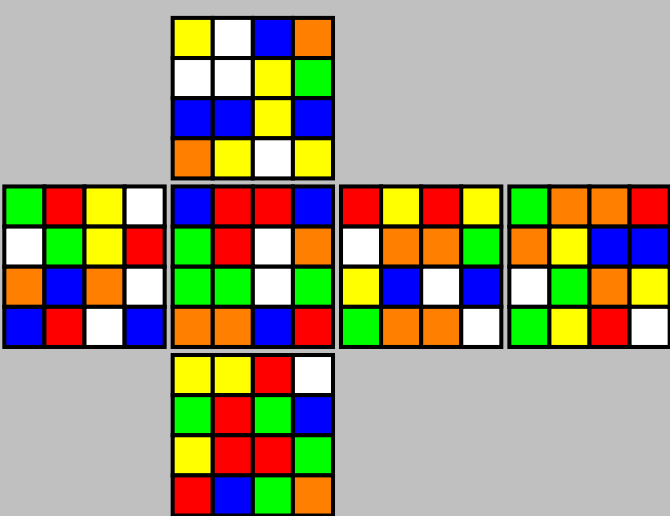
Graded by: _____ Result: ____



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

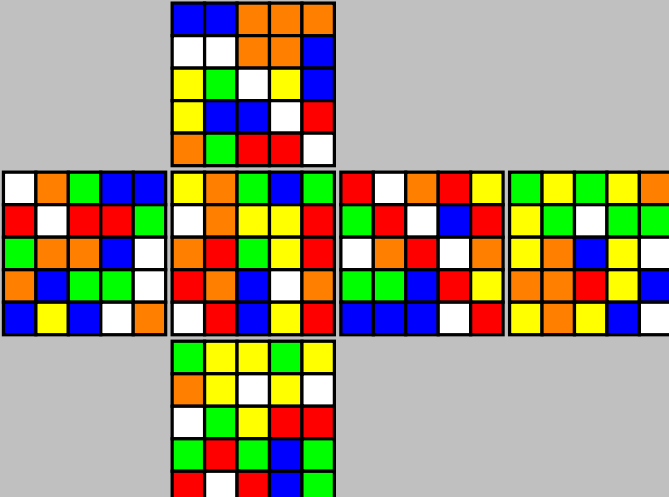
This image shows a full page of blank graph paper. The grid consists of evenly spaced horizontal and vertical lines forming small squares across the entire area. There are no margins, text, or other markings on the page.

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

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

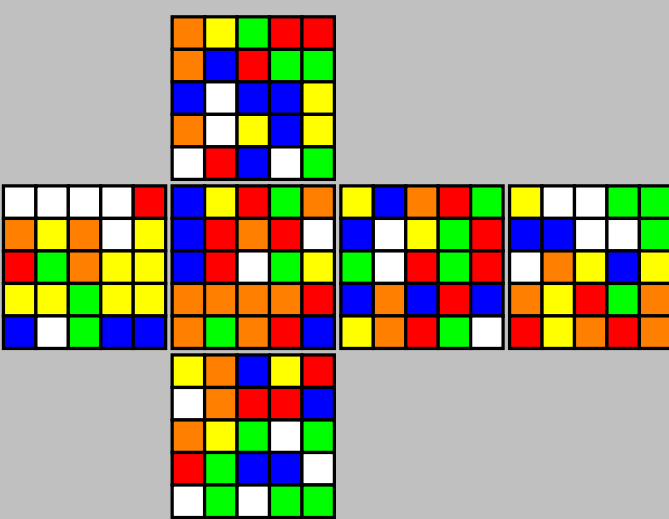
1.

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



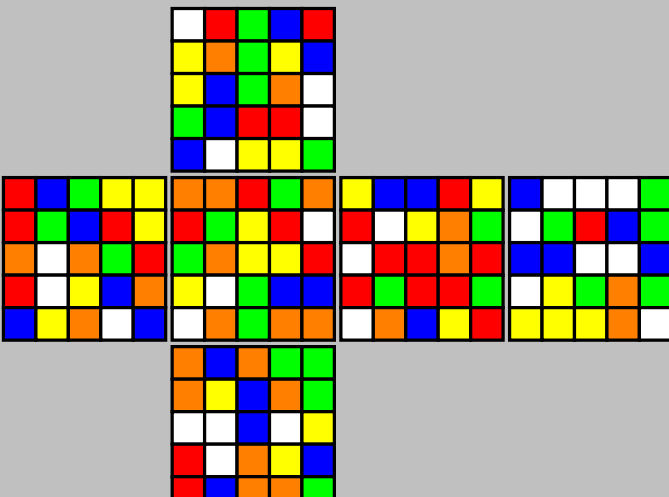
2.

F2	D2	Lw'	Rw'	Dw'
D2	B'	Lw2	Dw	Rw
D2	Bw'	Rw	U	D2
Dw2	Fw'	B'	R'	Bw
Dw	Uw	R'	Rw'	U
D'	Lw'	L2	Rw	Bw
D2	Fw2	Rw	L2	Fw2
D	U	Dw'	R'	Uw
Fw'	Dw	U'	Lw'	Fw2
L2	F	Lw	Bw	F
R	F'	Fw	Rw2	R2
Fw2	Rw2	R	Fw	Dw'
3Rw'				



3.

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



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

6.	D	R2	F2	R2	F2	D	U
	L2	U'	L	D2	F	U2	R'
	D	F'	D	L'	F'	Rw2	Uw2

