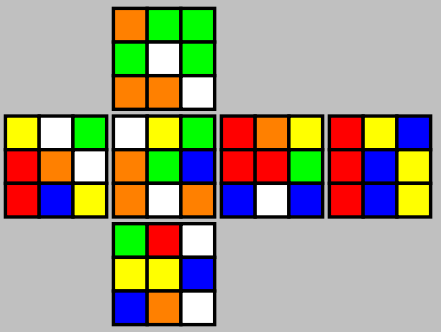
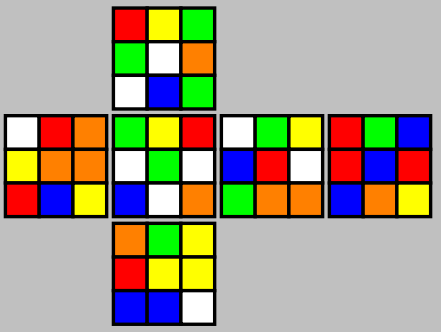
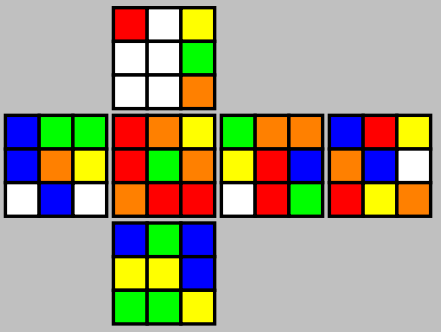
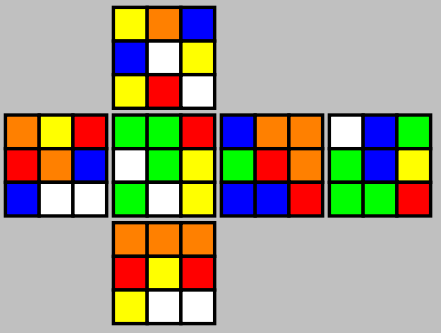
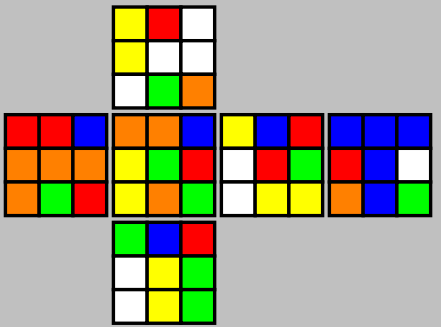
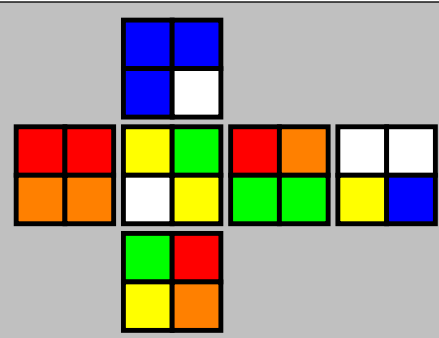
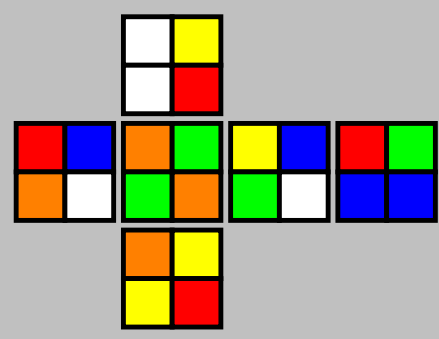
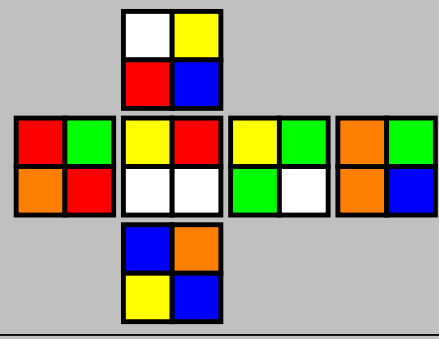
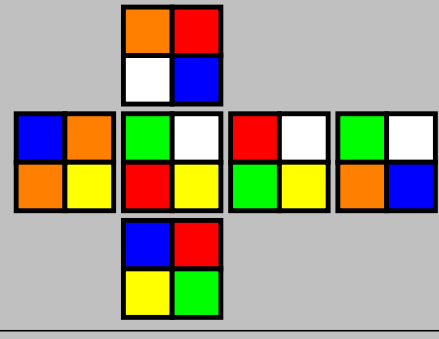
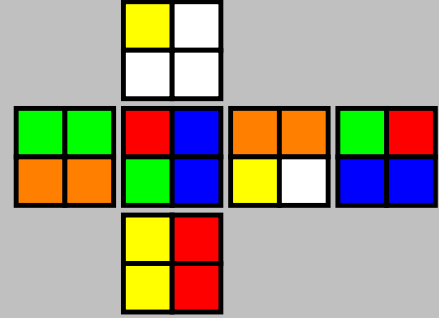
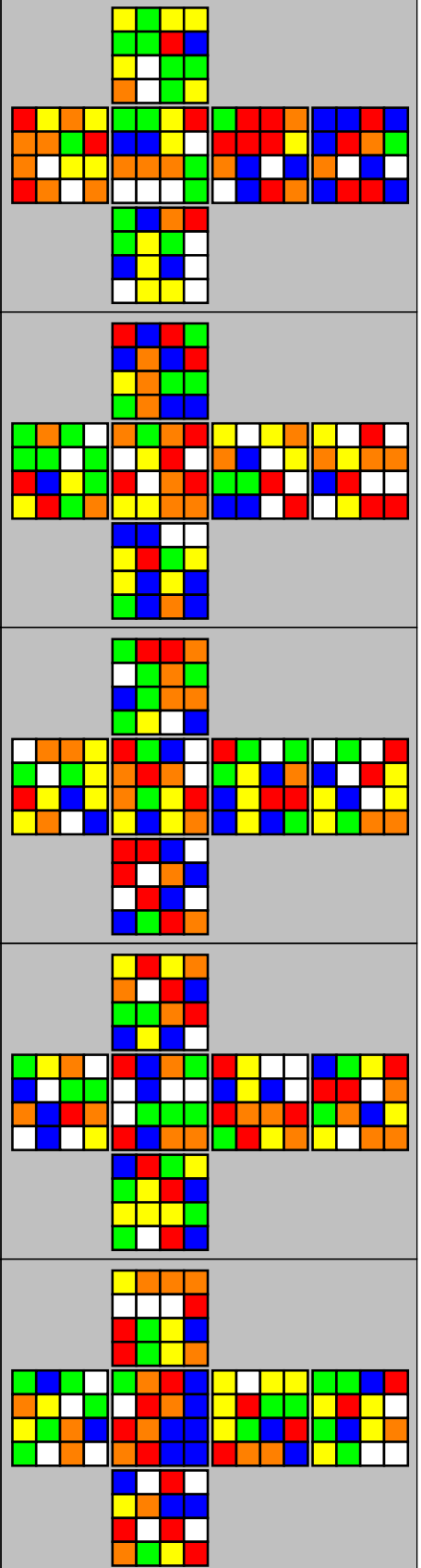
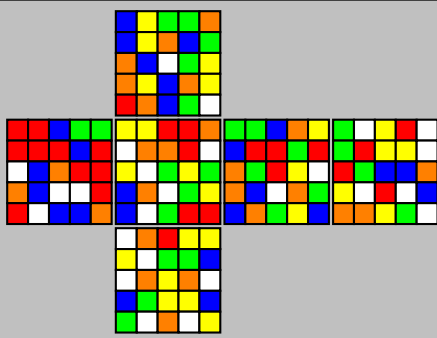
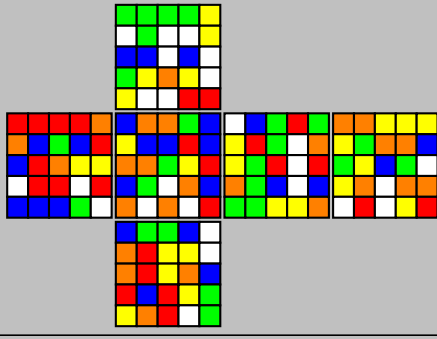
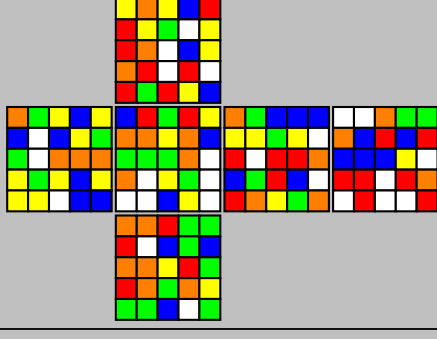
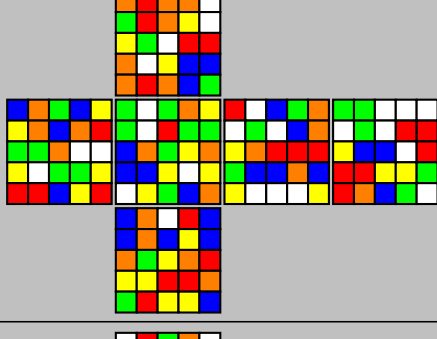
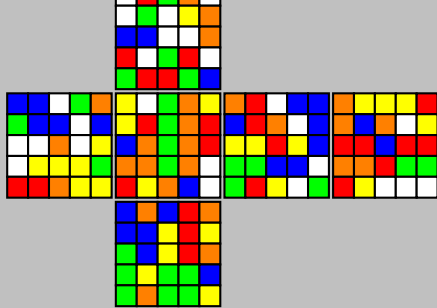


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3.	D2 F2 R2 U' B2 D' F2 D R2 F2 D' B L2 U' B L D' U2 R' F'	
4.	B' L2 F2 R2 B2 U2 F' U2 F' L B2 D U2 B' L B' L2 U2 F'	
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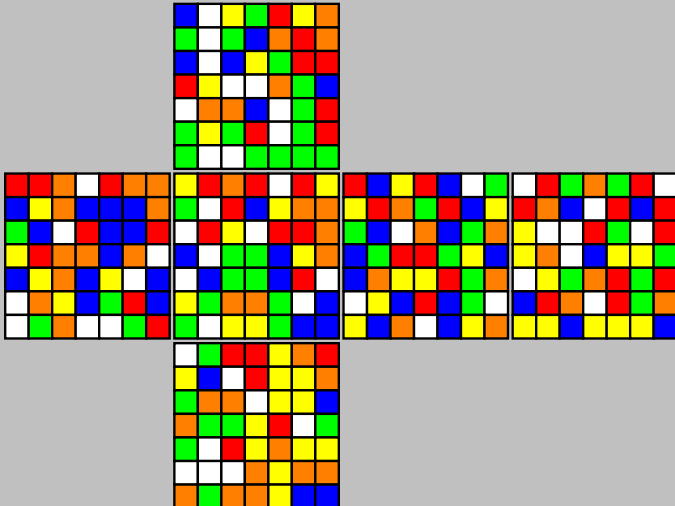
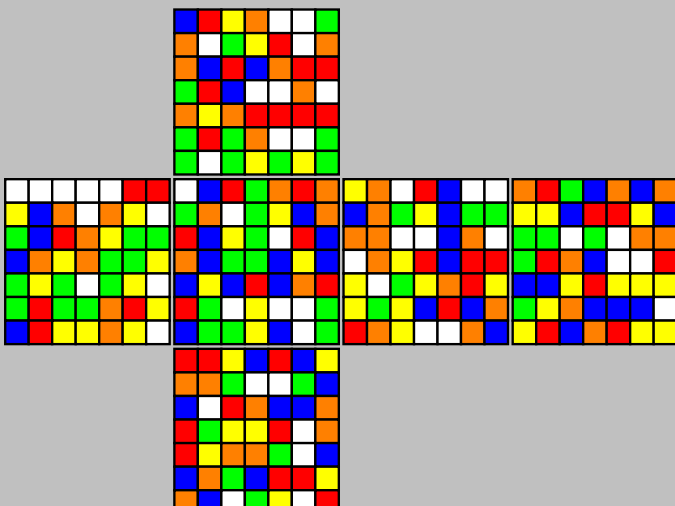
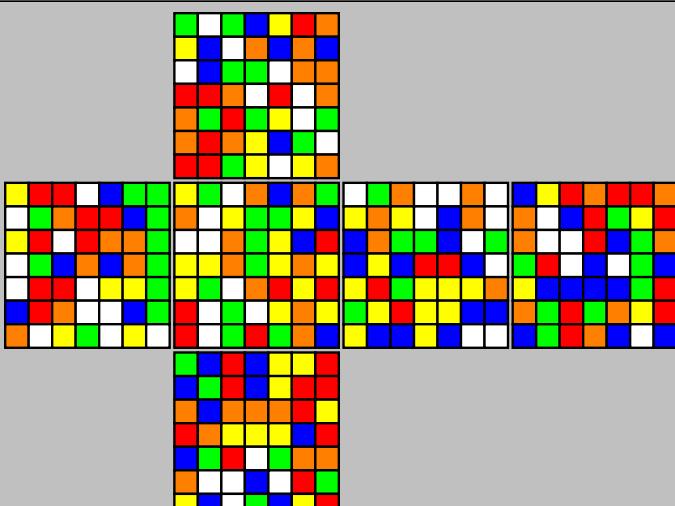
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2.	$R F' R^2 U R' U^2 R U^2 R U^2 R'$	
3.	$U^2 R U' R^2 U^2 F' R U' F R' U'$	
4.	$R' F^2 R U' R U^2 R' U R' U F^2$	
5.	$R' U' R U' R U R' U' R U' R'$	

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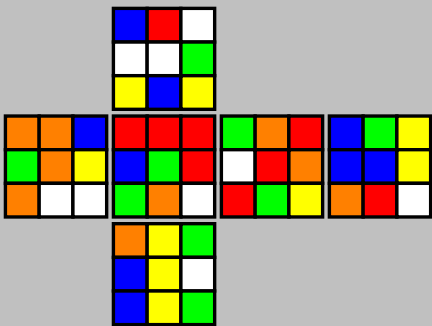
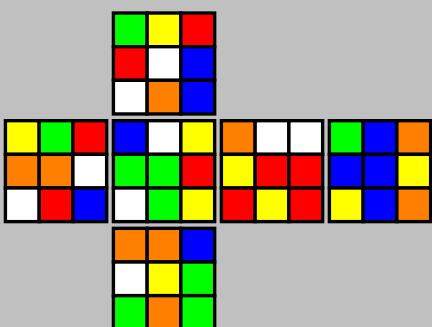
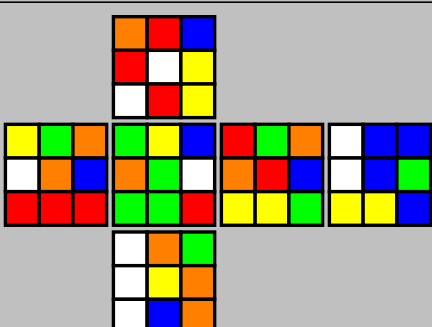
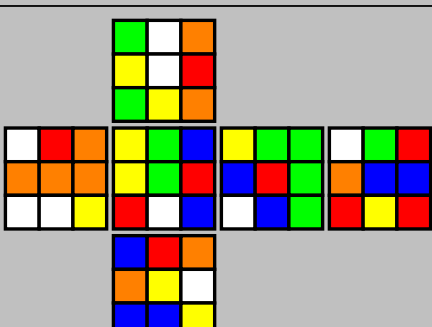
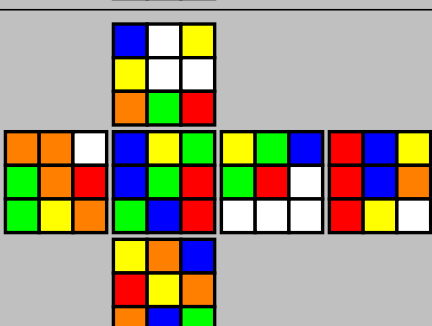


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2.	Rw' Dw D' F2 D2 B' Uw' Rw' B R F2 Fw Lw' R' B Fw2 Bw' Uw2 Fw B2 R2 L' F2 D2 Lw Rw' Uw' L2 D2 Lw2 R' U' F2 Rw' U Bw' D Bw F' D Rw' Dw2 D' B Bw' Rw2 Lw2 R B' F2 Bw' Uw B D' Uw L' Bw2 Lw F' L	
3.	Lw U2 B2 L Fw Rw Dw2 L B2 Uw Fw Dw2 R2 L2 Bw2 Rw' F'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

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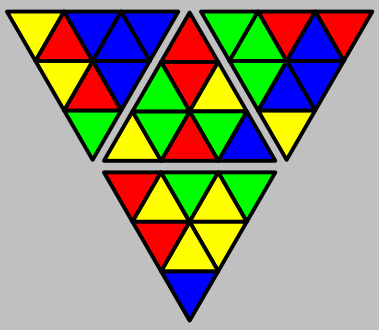
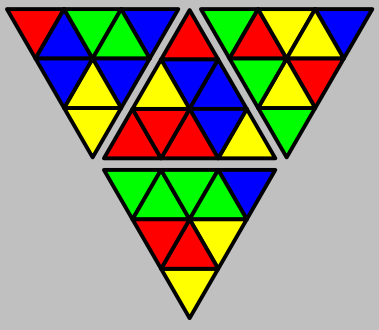
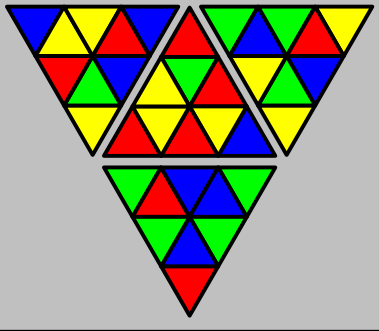
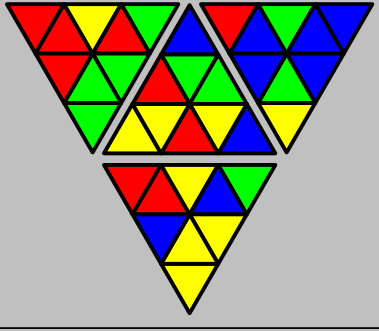
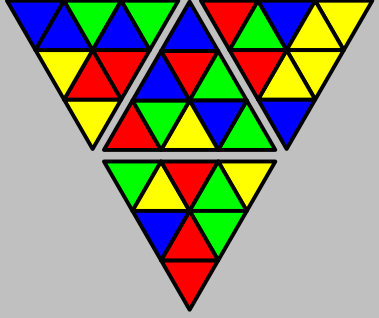
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Bw2	Fw2	3Uw2	3Fw	B'	Lw	R																																																																																																					
Fw	3Uw2	Lw2	Bw'	R'	U'	L																																																																																																		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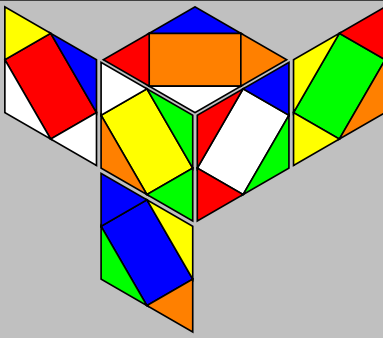
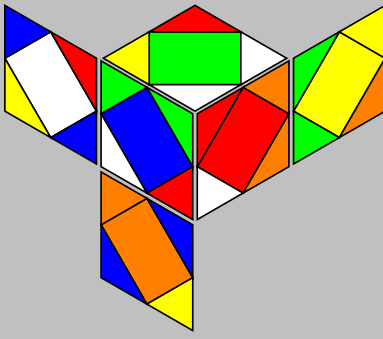
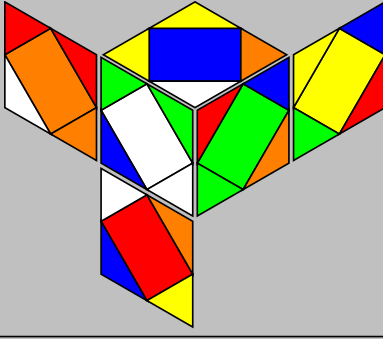
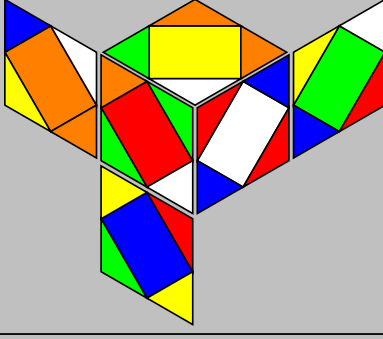
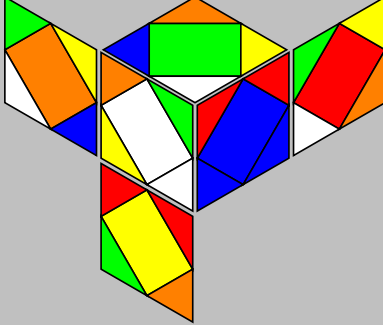
1.	<div>R2 B' U2 B'</div> <div>D2 R2 B F2</div> <div>U2 F' D' F</div> <div>R D' B' L</div> <div>R D B2 D'</div> <div>Rw' Uw'</div>	
2.	<div>B2 U2 F2 R'</div> <div>B2 L2 D2 L'</div> <div>R' B' R D</div> <div>U R2 F' R2</div> <div>U' L' U F</div> <div>Rw Uw2</div>	
3.	<div>L2 B2 D2 R2</div> <div>F2 R2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

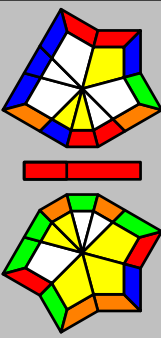
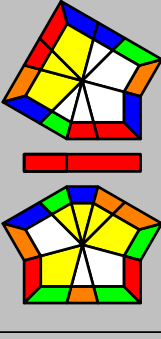
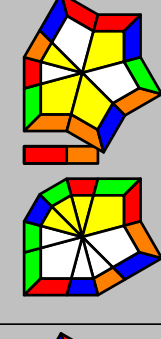
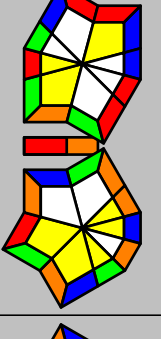
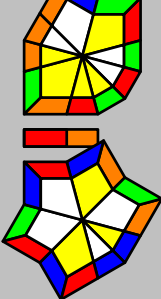
1.	<p>D U2 B2 R2 U B2 U' R'</p> <p>U' F2 R' D F2 D F2 L2</p> <p>F D' U2</p>	
2.	<p>L D' F U' L2 F' B' L'</p> <p>F' B' D B2 U R2 B2 U</p> <p>R2 U'</p>	
3.	<p>R2 F2 R2 D L2 U F2 U'</p> <p>B2 R B' L' U2 R' F D'</p> <p>F U B L2</p>	
4.	<p>R' U2 L2 F2 R' U2 F2 D2</p> <p>B2 D F' R' U' F' D2 F</p> <p>D' B'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

2019-06-07

pyram
Scrambles for 2019-06-07

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

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

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

2019-06-07

minx
Scrambles for 2019-06-07

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

1.	<div>UR3+ DR4+ DL5+</div> <div>UL2+ U5- R6+</div> <div>D6+ L1- ALL4+</div> <div>y2 U2+ R1-</div> <div>D1- L6+ ALL1-</div> <div>UL</div>	
2.	<div>UR5+ DR1+ DL2-</div> <div>UL4+ U3+ R5+</div> <div>D2- L0+ ALL3-</div> <div>y2 U0+ R1-</div> <div>D5- L4+ ALL1+</div> <div>DR DL UL</div>	
3.	<div>UR4- DR5+ DL3-</div> <div>UL1- U5- R2-</div> <div>D3+ L2- ALL2+</div> <div>y2 U5+ R4-</div> <div>D0+ L2- ALL2+</div> <div>UR DL</div>	
4.	<div>UR4- DR5- DL5-</div> <div>UL5+ U2- R6+</div> <div>D5+ L6+ ALL3+</div> <div>y2 U6+ R5+</div> <div>D1- L1- ALL1+</div> <div>UR</div>	
5.	<div>UR3+ DR1+ DL1+</div> <div>UL1- U5- R1-</div> <div>D5+ L1- ALL6+</div> <div>y2 U3+ R0+</div> <div>D6+ L5+ ALL1+</div> <div>DR UL</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]

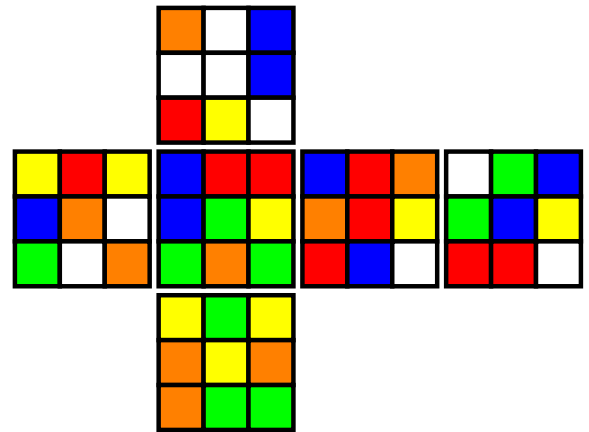
Scrambles for 2019-06-07
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

A blank sheet of graph paper with a light gray background and a grid of thin gray lines. The grid consists of 10 columns and 8 rows of squares. The lines are evenly spaced and extend across the entire page.

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.
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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]

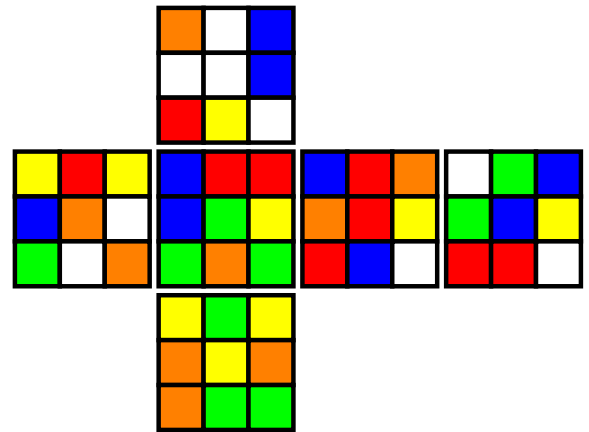
Scrambles for 2019-06-07
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

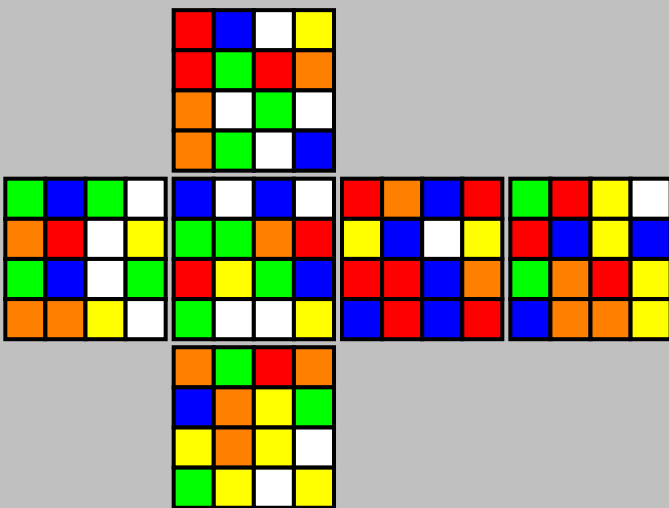
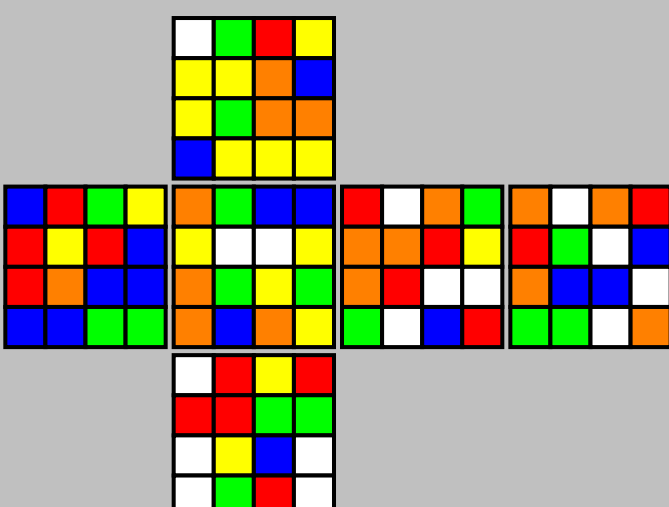
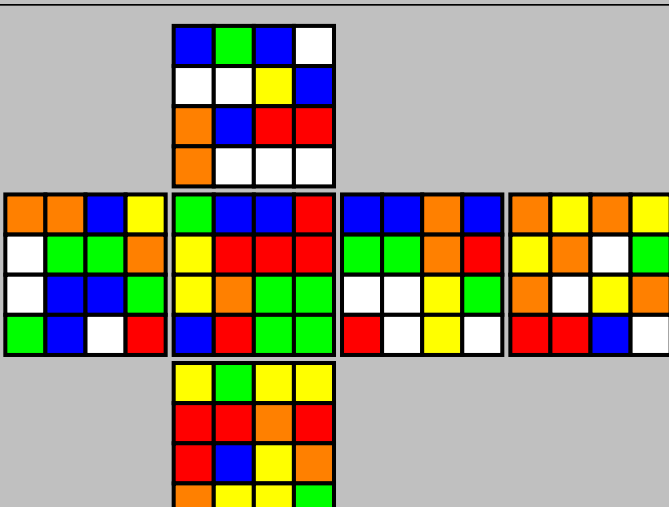
Graded by: _____ Result: ____

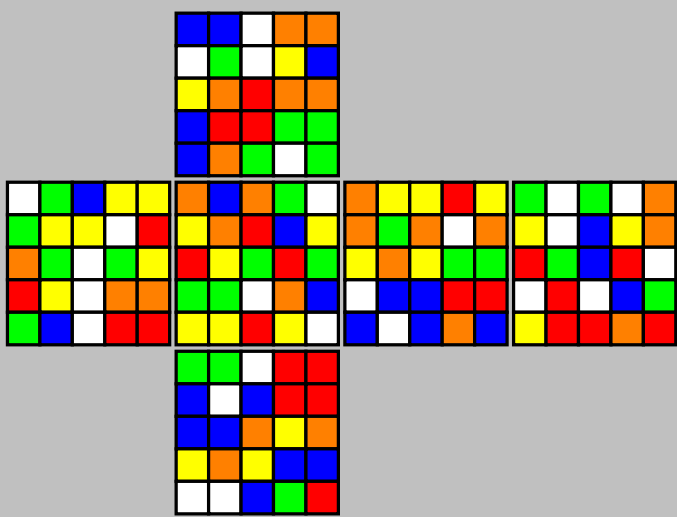
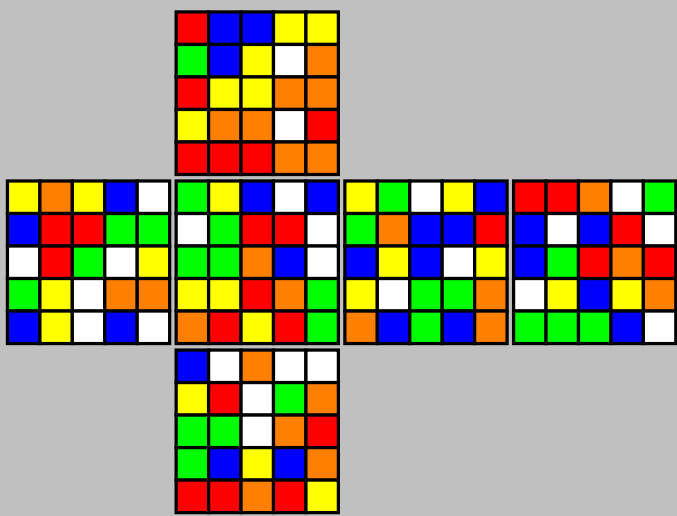
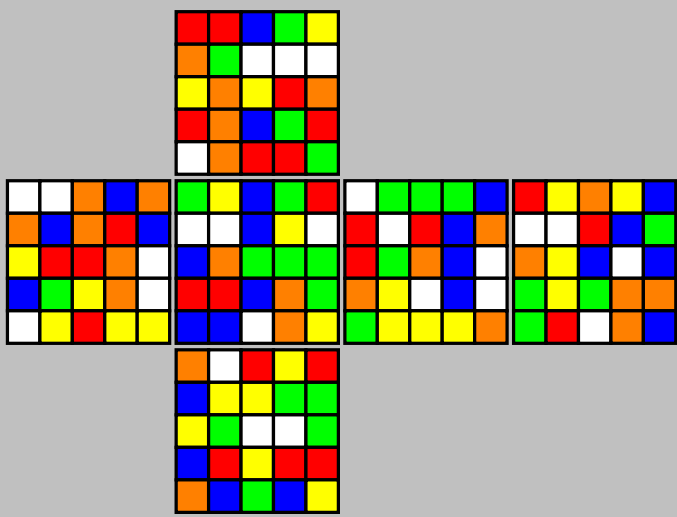


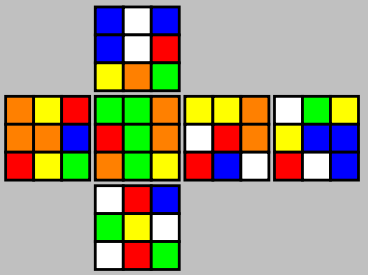
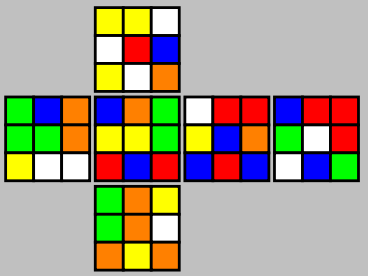
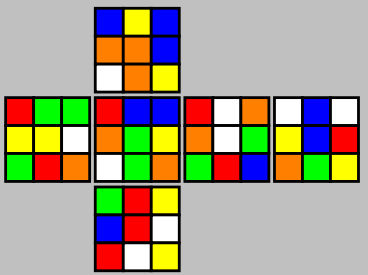
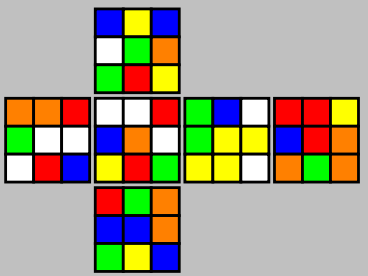
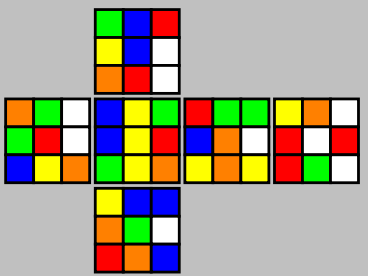
Scramble: R' U' F U2 F2 L B2 L' B2 R2 D2 L F2 D2 U F2 D L' U2 F D R U2 R' U' F

A full-page view of a blank sheet of graph paper. The paper has a light gray background and a grid of thin, dark gray horizontal and vertical lines. The grid consists of 10 columns and 8 rows of squares. The lines are evenly spaced and extend across the entire page, leaving small margins at the top, bottom, left, and right edges.

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

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

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

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

6.	L2	U2	L	R2	D2	F2	L'
	F'	D'	L'	R'	D2	R'	D'
	B'	L	B	U2	Rw'	Uw'	

