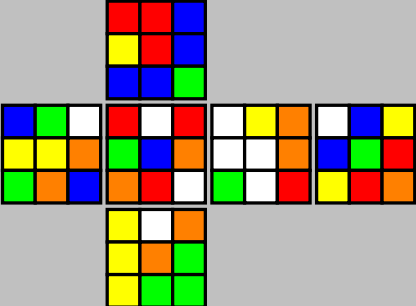
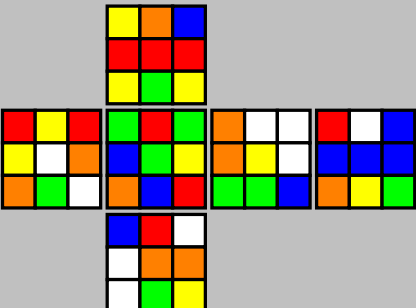
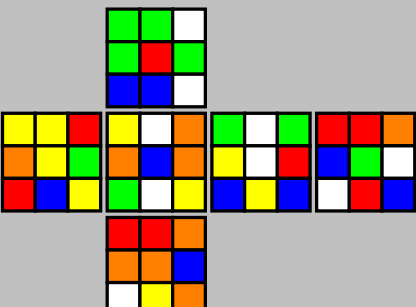
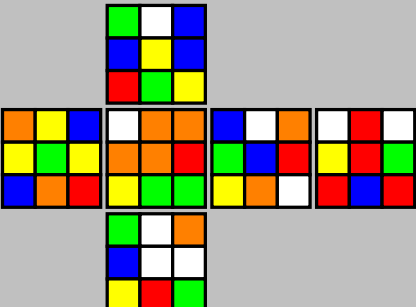
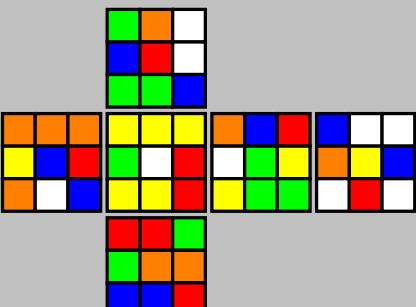
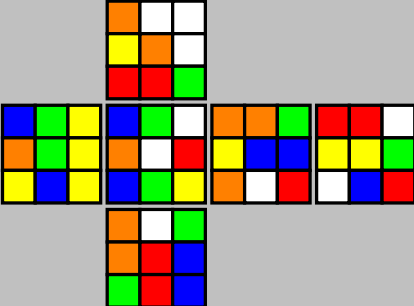
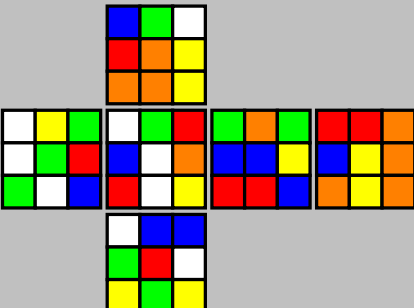
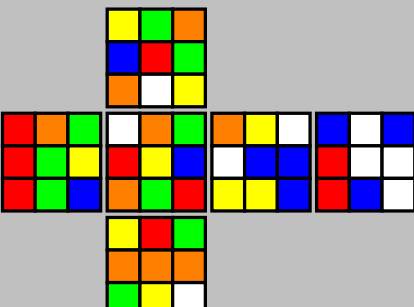
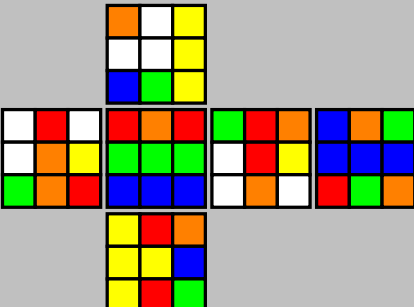
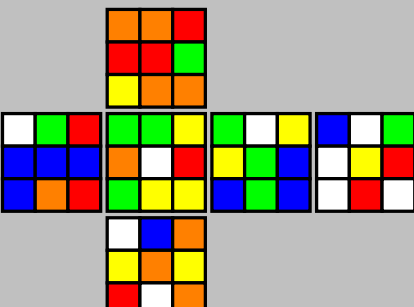
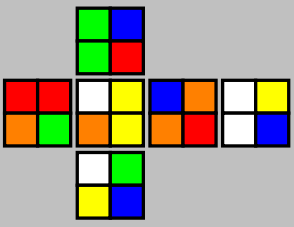
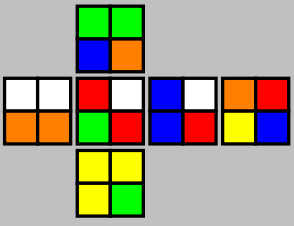
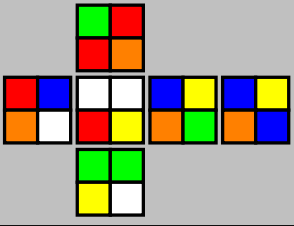
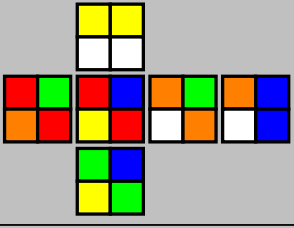
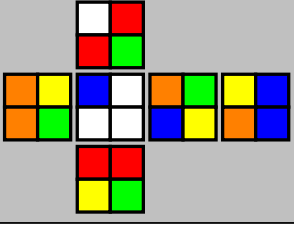
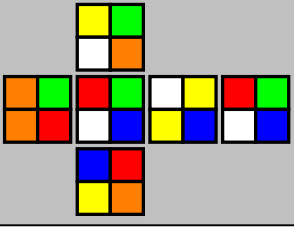
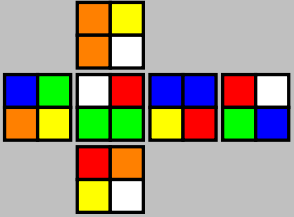
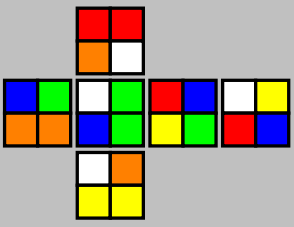
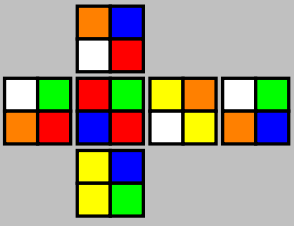
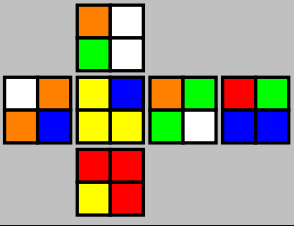
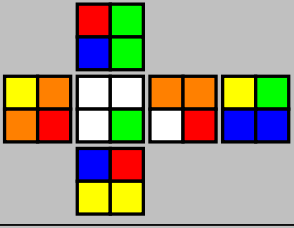
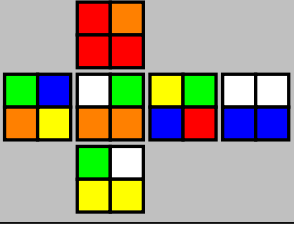
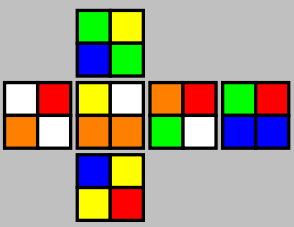
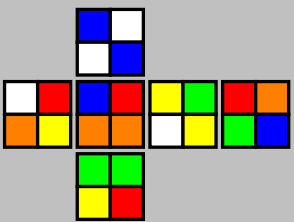
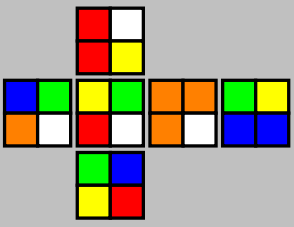
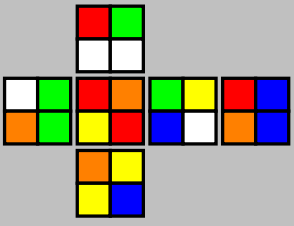
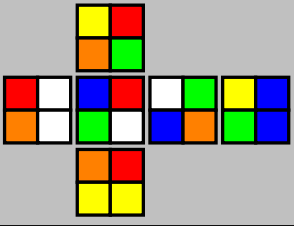
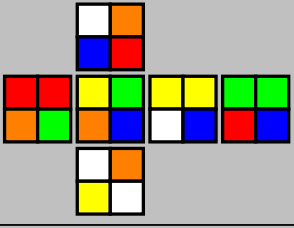
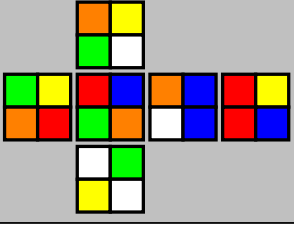
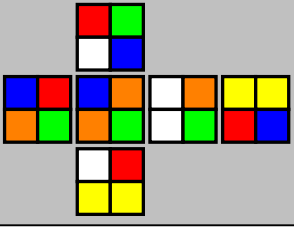
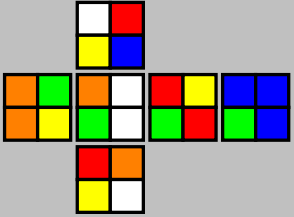


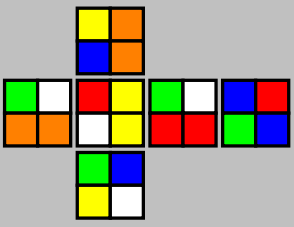
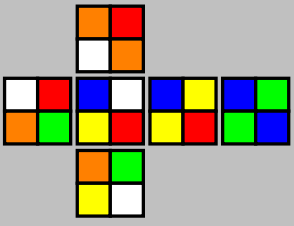
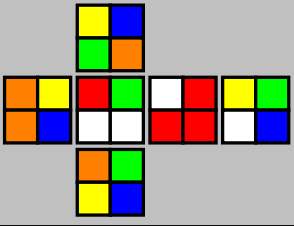
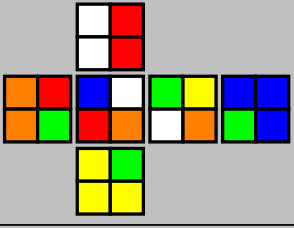
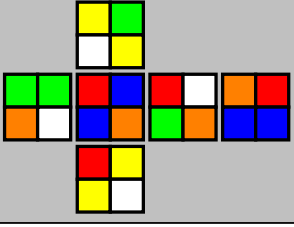
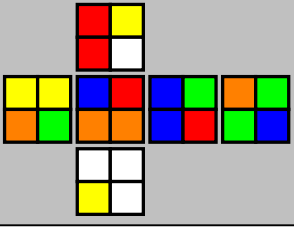
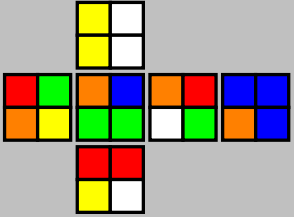
1.	<p>U2 F2 D2 F2 D' B2 L2 U' L2 B' U2 R' B2 F U2 B' D' L' D2 Fw' Uw2</p>	
2.	<p>R' D2 L D2 L2 B2 L2 R' B2 R F R' F' D R D' L' R2 B' F' U2 Fw'</p>	
3.	<p>R2 D2 B2 L2 R2 U' F2 L' U F2 D' L' U' B D2 L' F U2 L Fw' Uw2</p>	
Extra scrambles		
E1.	<p>B' L2 R2 F' R2 B' L2 B2 D U F U' R U L' F R' U B Rw2 Uw'</p>	
E2.	<p>U' F2 L2 F2 R2 D L2 R2 U' L' U' R' F' D B' U2 B' L2 D' Fw' Uw'</p>	

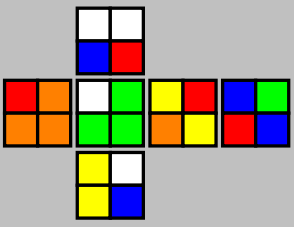
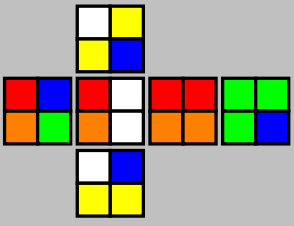
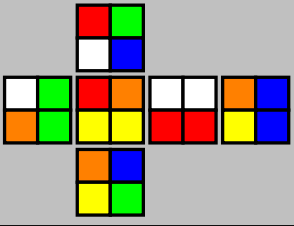
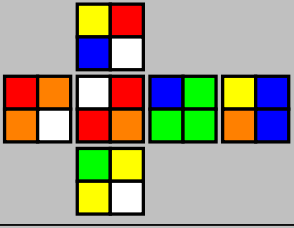
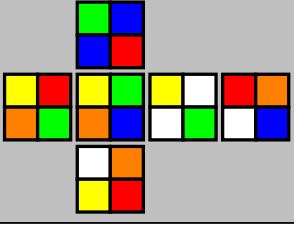
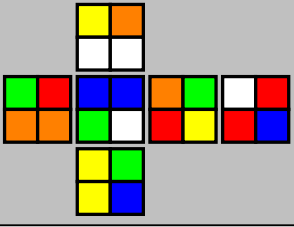
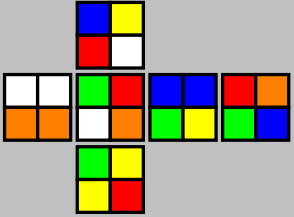
1.	<p>B' U2 L2 F' D2 L2 U2 R2 F2 L2 B R' D L F2 L U2 L' D' F' D' Fw Uw</p>	
2.	<p>R U2 R U2 B2 L' U2 F2 L' B2 R D' B2 F' U' L D2 R' D R D Fw Uw</p>	
3.	<p>R2 D R2 D L2 F2 D2 L U2 F L D' F D2 L2 B2 U R U Fw' Uw</p>	
Extra scrambles		
E1.	<p>F2 U2 L2 D2 U2 B2 U' F' U' L2 R2 U2 R F' R B' R2</p>	
E2.	<p>D F2 L2 B2 L2 D2 L2 D2 F' L' B2 D2 B' R2 D F R D' F' D Fw' Uw'</p>	

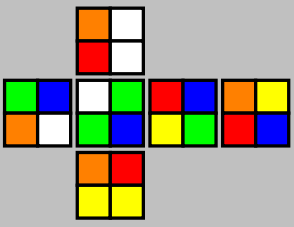
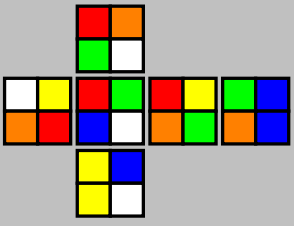
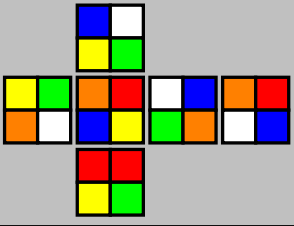
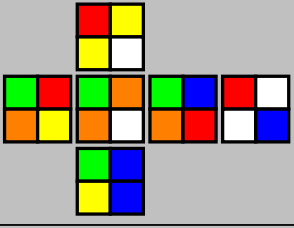
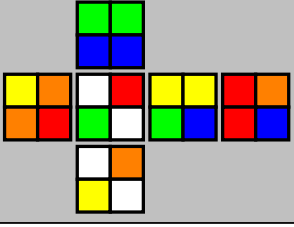
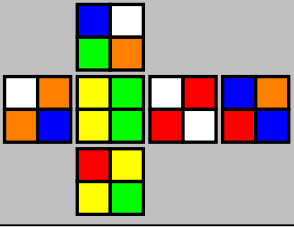
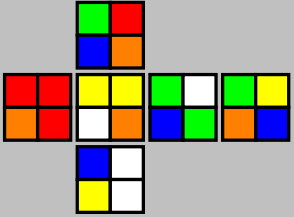
1.	$U^2 R' U' R U^2 R' F R^2 U' F U'$	
2.	$R U' R' U^2 R' U^2 F R^2 F' R U^2$	
3.	$U^2 R F R^2 U' F' R^2 U^2 R U' R$	
4.	$U' R' U' R U' R F^2 U' R U^2 R'$	
5.	$U' R U^2 R' U R' U' F U^2 R U^2$	
Extra scrambles		
E1.	$R U' R^2 F^2 U' R^2 U^2 R^2 U^2 R U$	
E2.	$U R U' R^2 U^2 F' U^2 F U' F' U^2$	

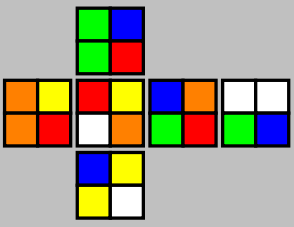
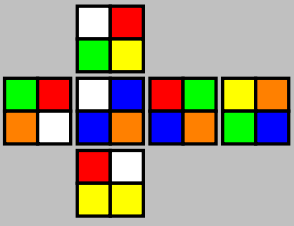
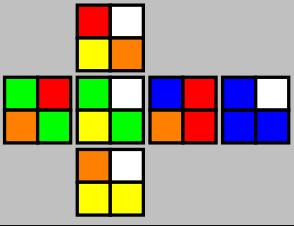
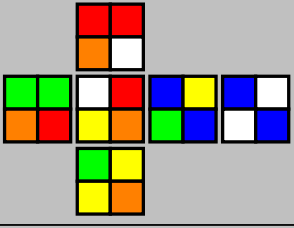
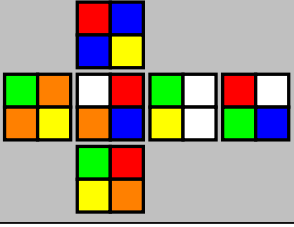
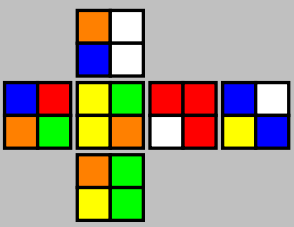
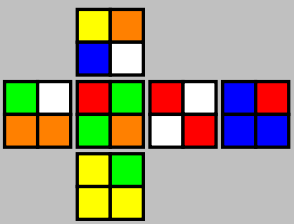
1.	$U' R' U' R^2 U^2 R F' U' R^2 F R^2$	
2.	$U' R' F U^2 R U F R U R' F^2$	
3.	$U' R' U' F U' R' F' U^2 R^2 U' R'$	
4.	$R' F U' F U R U^2 F' U' F U'$	
5.	$U' R' F R^2 U' R' F U^2 R U' R'$	
Extra scrambles		
E1.	$R F' U' R^2 U^2 R^2 U' R^2 U^2 F' R$	
E2.	$R^2 F R U' R U^2 F' R' U' R' U^2$	

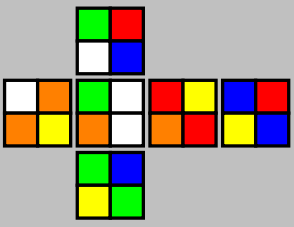
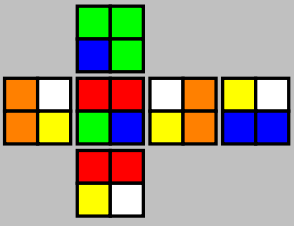
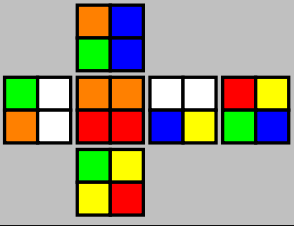
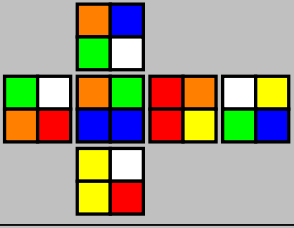
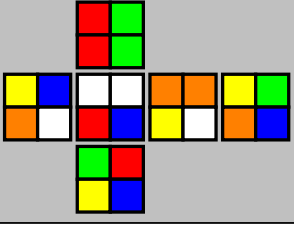
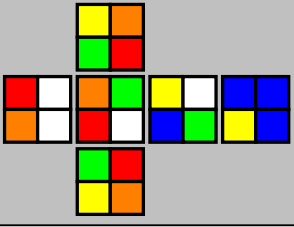
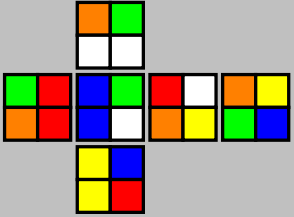
1.	R U R U2 R2 F U2 F R2 U' F'	
2.	U' R' U2 R' F U' F U2 F U' R2	
3.	R' U2 F U2 R2 U2 R2 U F R' U'	
4.	U R F U' R2 U2 R' U F' R2 U2	
5.	U R' F' U2 F U' F R2 U2 F' U'	
Extra scrambles		
E1.	R U' F' R F' R' U2 R' F R2 F'	
E2.	F R U' R' U2 R2 U2 R' U R' U'	

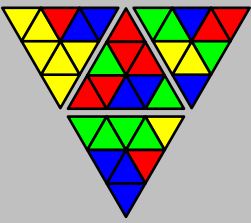
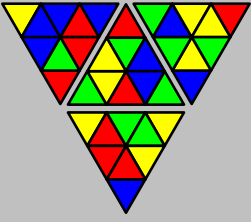
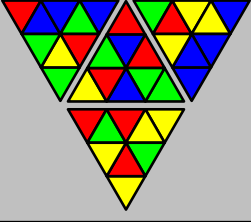
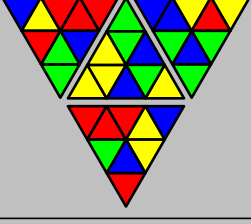
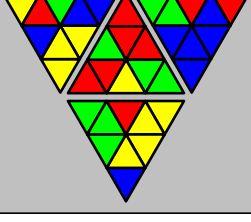
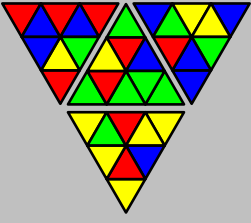
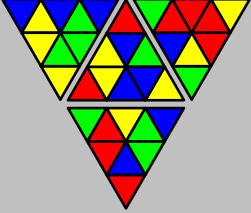
1.	R2 U2 R U R' F U R' F R U2	
2.	R' F U' F' U' F R F' R2 F' R	
3.	R' U' R U F' R2 F U2 R' F U2	
4.	R U' F' R F' U' R' U2 R' F' U'	
5.	U2 R2 F R U R' F R U2 R' U'	
Extra scrambles		
E1.	R' F R2 F' R' U2 F' R U' R' U'	
E2.	R' F U' R F' R U R' U' F U'	

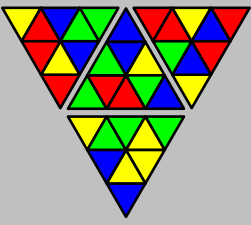
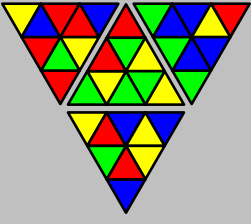
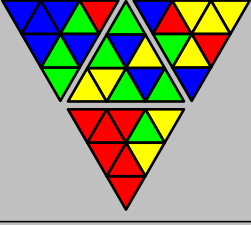
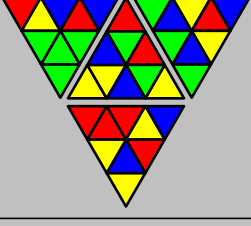
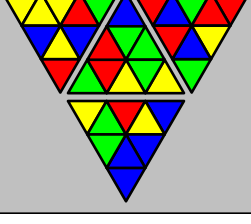
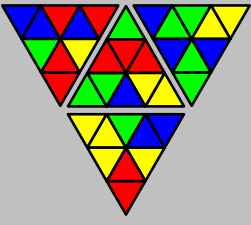
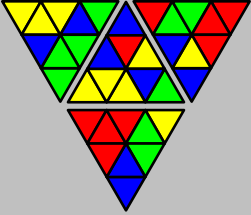
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2.	R' U' F U' R2 U2 R2 F' R U2 R	
3.	U2 R' U R' F R U' F U' F U'	
4.	U R2 U2 R2 U2 F U' F' U' F U'	
5.	R U2 R2 F U' F R' F R' F U'	
Extra scrambles		
E1.	U2 R U2 R' F R2 F' R' U2 R U'	
E2.	F U' R2 U' F R U2 R' U' R U	

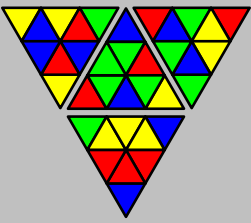
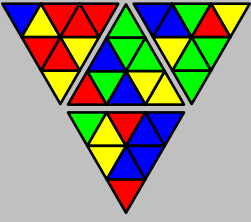
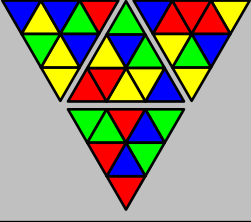
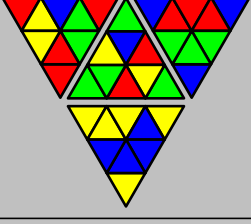
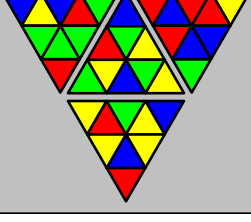
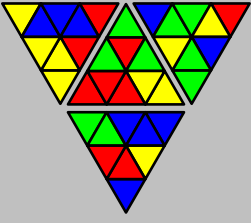
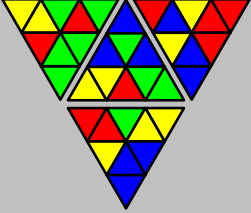
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2.	$U' R' U' R U R U' R^2 F U^2 F$	
3.	$R U' R' F' R^2 U^2 F U^2 R U' R'$	
4.	$U^2 R^2 U F R U' R' U^2 F R U'$	
5.	$U' F^2 R^2 U^2 R' U' R' U F U' F$	
Extra scrambles		
E1.	$U' R U' F R U^2 R U' R^2 U R'$	
E2.	$R' U^2 F U^2 F U^2 F U R^2 U^2 R'$	

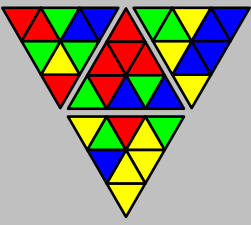
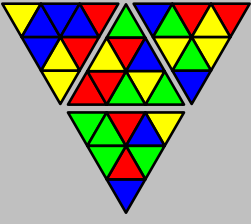
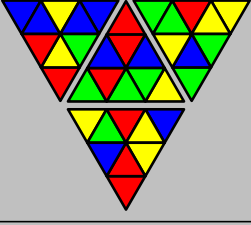
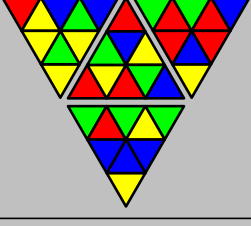
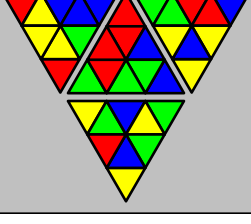
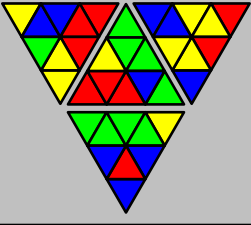
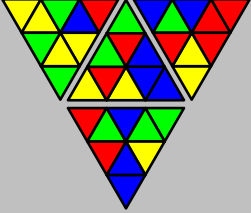
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2.	R U2 F' R' F' R2 U' F R2 U' R'	
3.	U R U' R' F' U' R U2 R' U' F'	
4.	R U' R' U2 F U R U2 R F R2	
5.	U2 R U2 R' U F' U' F' U' R2 F	
Extra scrambles		
E1.	U2 R' F' U R U2 R' U F U2 F'	
E2.	R' F' R F' U' F2 U' R U R' U2	

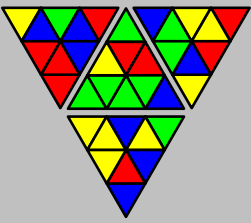
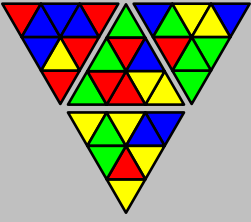
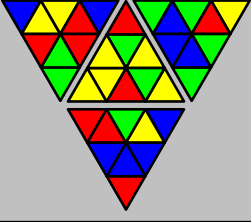
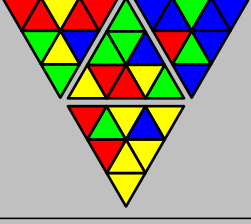
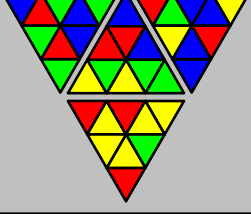
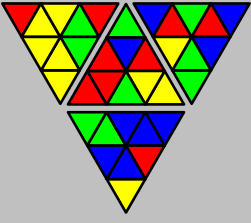
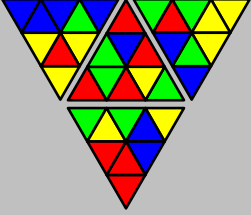
1.	$R' F^2 U F' R U^2 R' U' R U^2 R'$	
2.	$U' R' U^2 F U^2 F^2 R U F R^2 U'$	
3.	$U^2 F' U' F' R U R' U^2 R^2 U' R^2$	
4.	$U R' F' U^2 F U R^2 F' U' R^2 U'$	
5.	$R' U' R' U^2 F R^2 U' F' R^2 U^2 F$	
Extra scrambles		
E1.	$U' R^2 F R U' R U' R^2 U R U$	
E2.	$R' U R' U' F U^2 R U^2 R' U' R^2$	

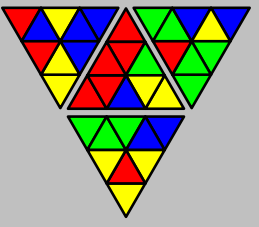
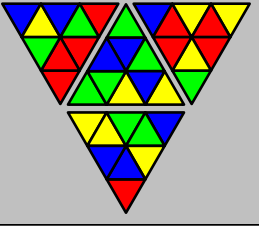
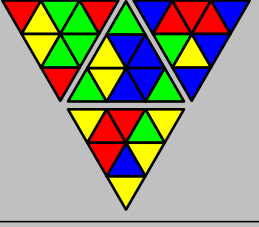
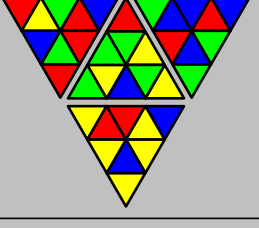
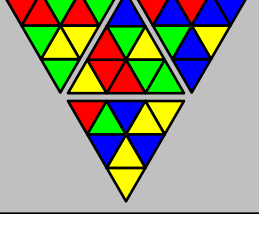
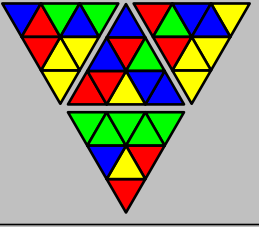
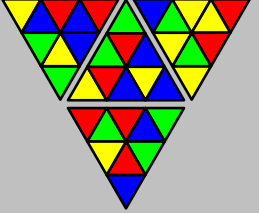
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2.	R L' R B U' R' U' R L' U' L u' l r b	
3.	U B' U R' L B L R L' B U' u l b'	
4.	L R' L U L B R' L' B U' R' r b'	
5.	U R' L B R U L R' L' B' R b'	
Extra scrambles		
E1.	U B R U B L' U B' R' L' U' u l' b'	
E2.	B U L B U' R' L' B L' U B' u l' r' b'	

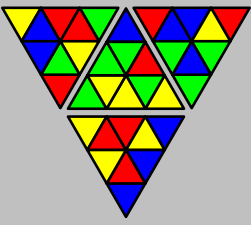
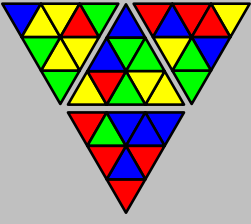
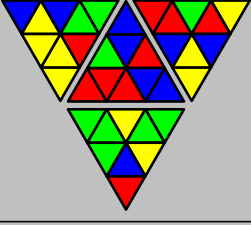
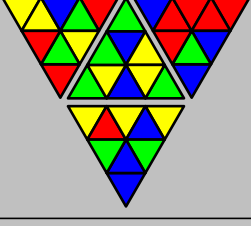
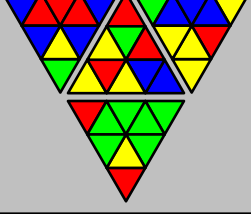
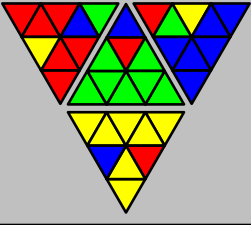
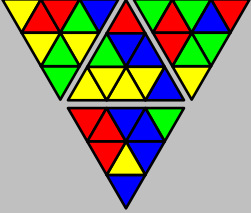
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2.	B' R B' U' L' R' U R L' R' L u' l r b	
3.	L B' R L' B' R U' B' L' U' B u' r	
4.	B R' U L' B' R L' B' U L U u' r b	
5.	U L' R L' B R' L' B L' U' L' u l' r	
Extra scrambles		
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E2.	L R U R' B' L U B' R B R u' r	

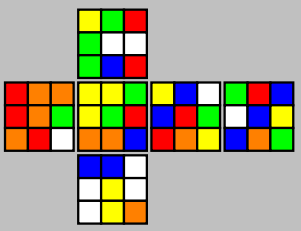
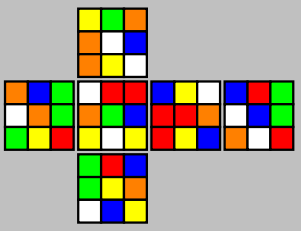
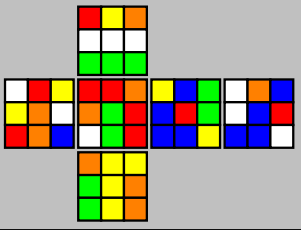
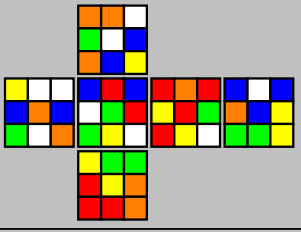
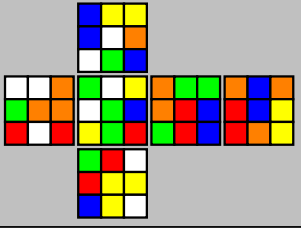
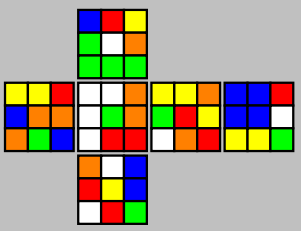
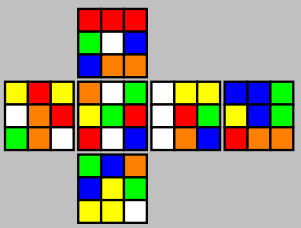
1.	B' U' R B' L' B' R U L B R u l r b	
2.	U R L U' B' L B L R B' R' l b'	
3.	U B' R' B' U' R' B' U B L B u' r b'	
4.	R' L B' U L' U R' U R' U R u' r' b	
5.	L' U B R B R' B R U' B' R' u l r b'	
Extra scrambles		
E1.	R L' B U B' R B' U B' R' L' u b	
E2.	L' B' L B L' B R' U' R U B u	

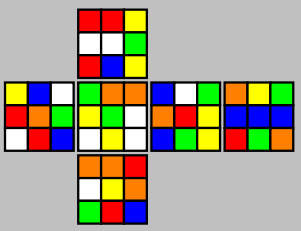
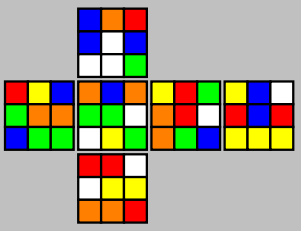
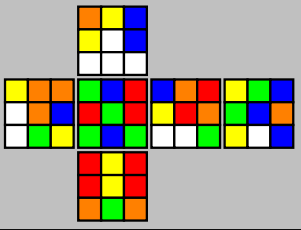
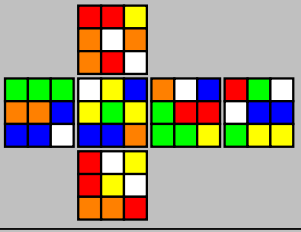
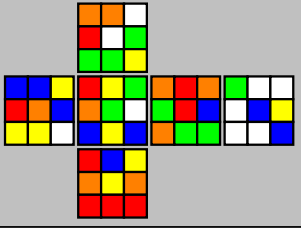
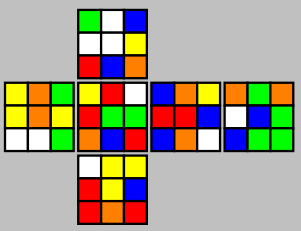
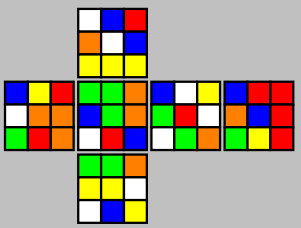
1.	B' U L B U B U' R' B' U R l' r'	
2.	U' B' U L R' L B' L R' L U' u r' b	
3.	L' U' B L R B' R' U B U' L l' r	
4.	R' L' B' R' B' R' B' L' U B' L u l' r' b	
5.	B' L R' U R' U B U R' U' B' l' r' b	
Extra scrambles		
E1.	R B R B' U R' U' L' R L' B r b	
E2.	U' L' B R' L' R' U B' U' B' R u l	

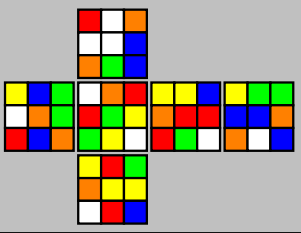
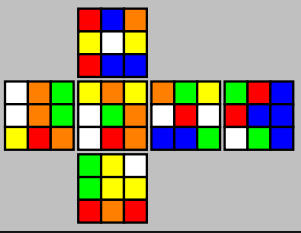
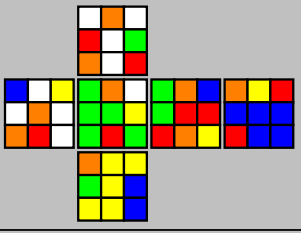
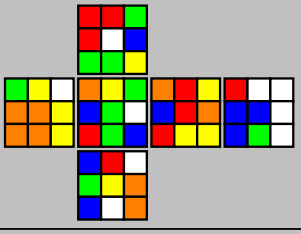
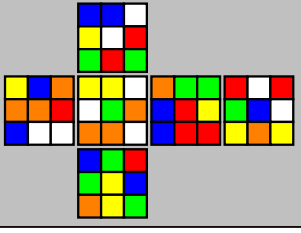
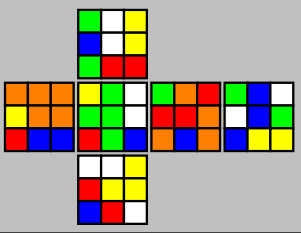
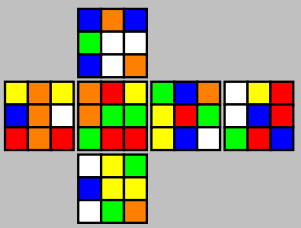
1.	B' R U' L' R' U L B U B U u r' b	
2.	L R' L R' U B L R L U R' u l' b'	
3.	U L R B R' U R' B U L R u' r b'	
4.	L' B U L B L B' U' B R B l r'	
5.	U B L' R' U' B' L B' U' B R u' l' b	
Extra scrambles		
E1.	L B' L' B L' U' B' U L' U R u' b	
E2.	U' B L' B' L' B' R' L' U' B' R' u l r'	

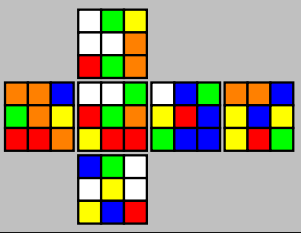
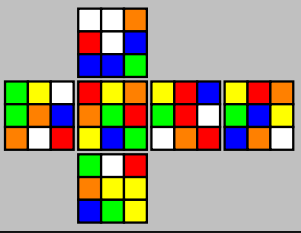
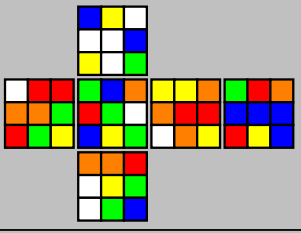
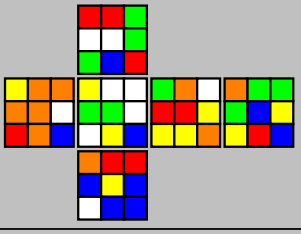
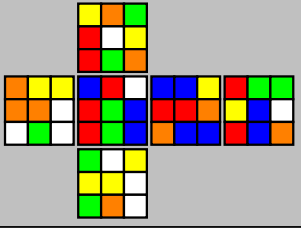
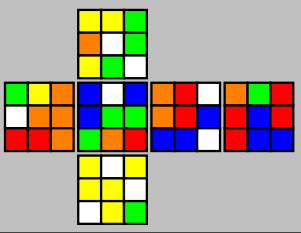
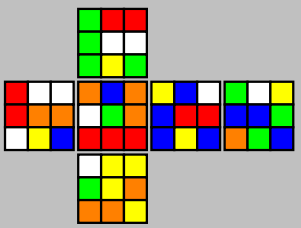
1.	U B U R' L' U L' R' B U' B' b'	
2.	R U R L U R' L' R B U' B u' r' b'	
3.	U' L' B' L' U' L R' L B' L' B u' l r b	
4.	B U' L B' U R U L R' U' B' u' l r b	
5.	B' U' R' B' L R U' R' U' B' R u l	
Extra scrambles		
E1.	R' B L' U' R' U B R L' B U' u' b	
E2.	U' B' R' B' L U L' R' L' U' L' u l r b	

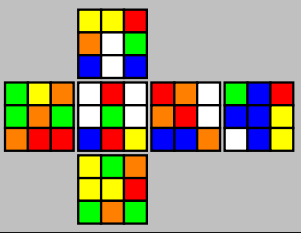
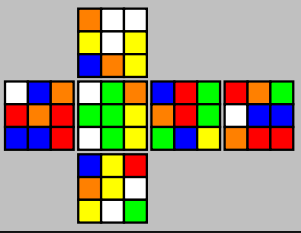
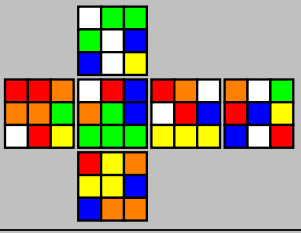
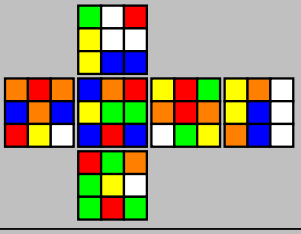
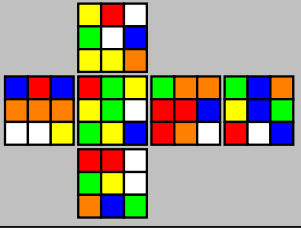
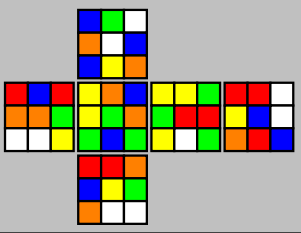
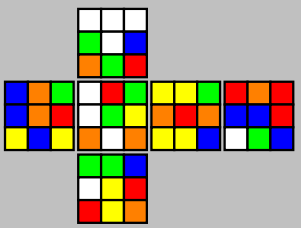
1.	U' R L' R' L R' U' B U' R L' u l r b	
2.	U' R' U' R L' R U' L' U B' U' u l b'	
3.	B' U B U' L' R L B' L U R b'	
4.	U L' B U R' U B L R' U L' u' l r'	
5.	B' L R U' B' L' B' U' L U' R u' l b	
Extra scrambles		
E1.	B' U' B R' B L U R B' L' U' u'	
E2.	R' L' B L R' U R' L' R' B' R' u r b'	

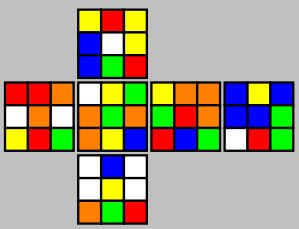
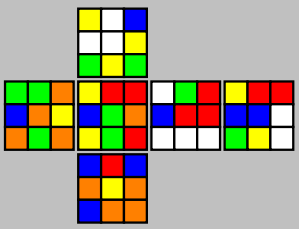
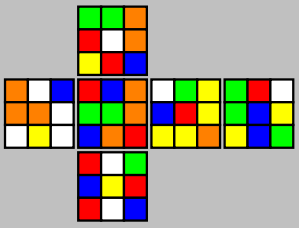
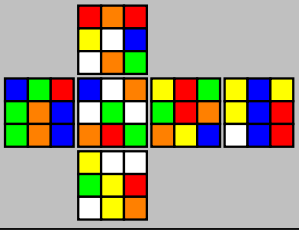
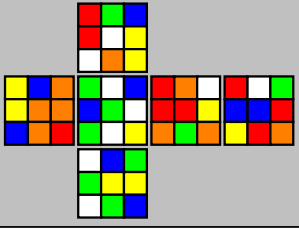
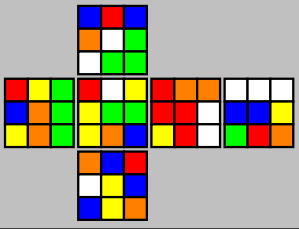
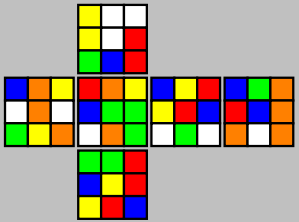
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2.	L U2 R2 D2 L2 B2 R D2 R' D F' L D2 F D' B' R D2 R' U	
3.	D R U R2 B D' L2 F2 U' L' F2 U2 F U2 D2 B2 L2 B' L2 D2	
4.	B L U2 B U' D' L D2 F R' F2 U2 L2 B' D2 F' U2 B2 R2 B	
5.	F2 R B R2 U B2 D F R' L2 B L U2 L' U2 F2 U2 R' L	
Extra scrambles		
E1.	F' L2 B' D L' B L' U' R D' B2 D2 L2 U2 L D2 B2 L' B2 D2	
E2.	B' R2 D' F' L U' R2 U' R F' R' D2 R B2 D2 L' F2 L2 U2	

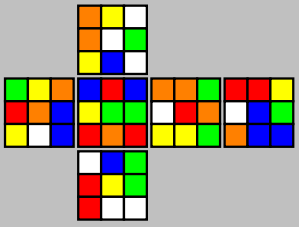
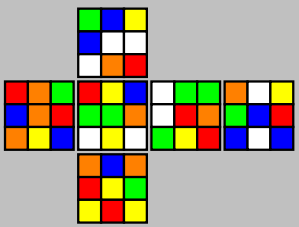
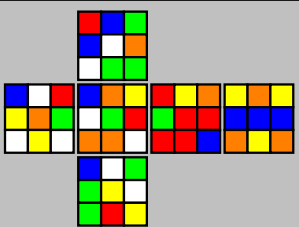
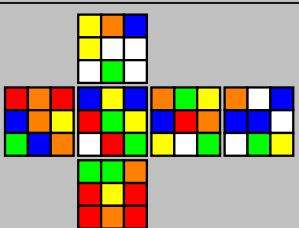
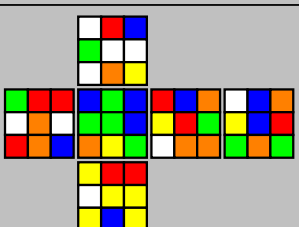
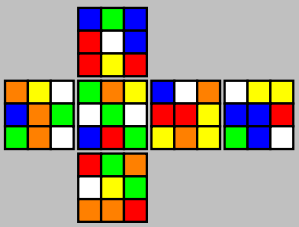
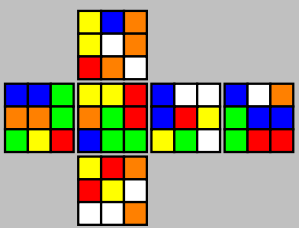
1.	D2 R' D2 L B2 D2 U2 R B' U2 F' R' F2 L' D L2 B' L F	
2.	B L2 F' U2 B2 D2 F L2 R2 D' L' U2 B2 D' L B' U2 F2 D2	
3.	F' U2 R2 F L U R2 F L' U' L2 F L2 D2 B R2 U2 L2 B2 L2	
4.	R2 D2 B2 D' B2 F2 U2 B R' U' F' L' R2 B2 R B R2 D' U'	
5.	L2 B L2 F D2 U2 B2 F' D2 U' L B' D F L R' U' L D L	
Extra scrambles		
E1.	D2 R B2 U2 L2 B2 L2 B' D F' D2 U2 F' D2 B' F' D' R'	
E2.	D' B2 U F2 L2 D B2 D2 F2 R F D U R' U F U R' D2 L2	

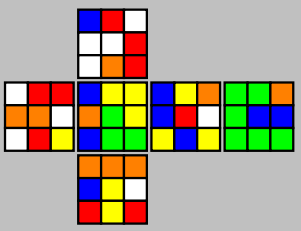
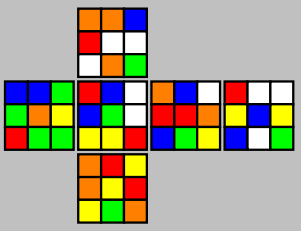
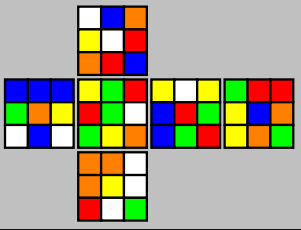
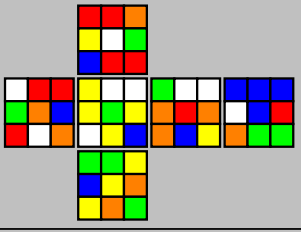
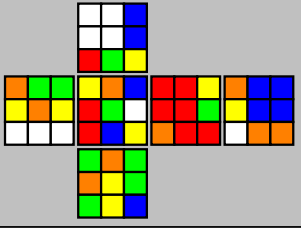
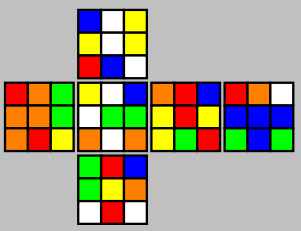
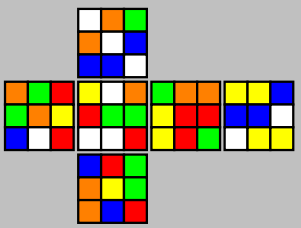
1.	F L2 B L2 R2 F D2 B2 F2 D R2 F R B2 U L B D' F R'	
2.	F D2 L2 B' F' L2 D2 F L2 D L F' R D2 R' U' B' U2 L	
3.	F2 L2 D2 B2 L U2 R' F' L' B2 D L B F R2 D2 F' U'	
4.	L' R' B2 R2 F2 D2 L2 F' R U' L' R2 U2 L F2 U' F' U2	
5.	F2 L2 F' U2 F2 D2 L2 F L F D L R2 D2 B' R D' L R2	
Extra scrambles		
E1.	D2 B2 F' R2 U2 R2 F' L' F' D F' D' R' U2 R B2 R' D2	
E2.	U' F2 U B2 U' B2 F2 L2 F2 R' B2 F' D' R' D2 L' U2 R' D B'	

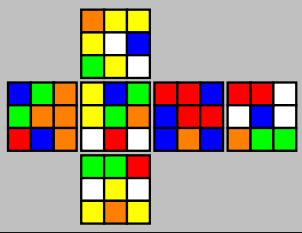
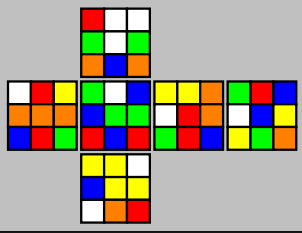
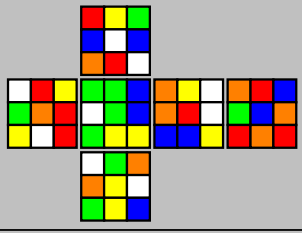
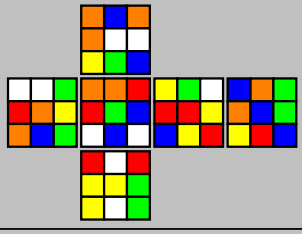
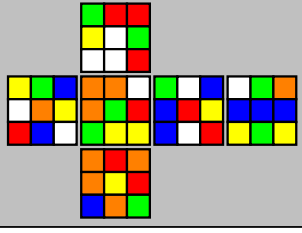
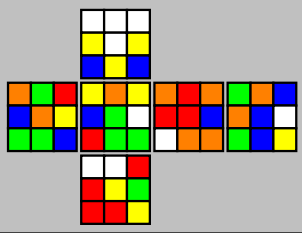
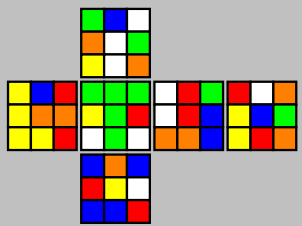
1.	U F2 U L2 D R2 D U' R' B2 D U' B L' U L B' R' F	
2.	F2 R2 B F2 R2 B L2 D2 B U2 L' B2 F R' B' R2 D U R B2 F'	
3.	D2 F L' D2 L U2 R' D R' B' L F2 B2 L' U2 F2 R D2 L'	
4.	D2 B R2 B2 U2 L2 F' L2 F' U2 L' B' F' D U2 F' L' F D' R	
5.	L2 U2 D' B2 R U' B2 R F' U2 F2 R B2 L' B2 U2 B2 L U2	
Extra scrambles		
E1.	R F2 U2 D2 L2 B R' U B R B2 U' L2 U L2 D2 F2 U F2	
E2.	B2 L' F R' B2 L' D L2 U D' F' U F2 D2 B2 U L2 D'	

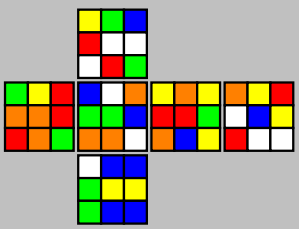
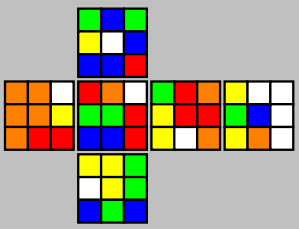
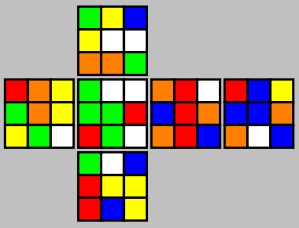
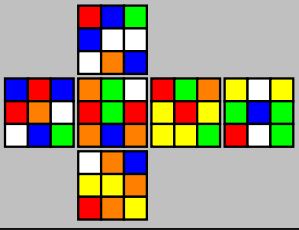
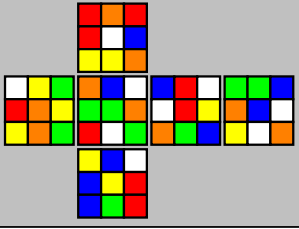
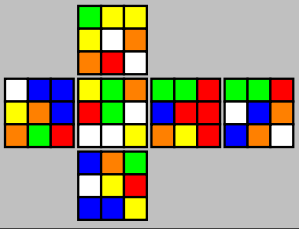
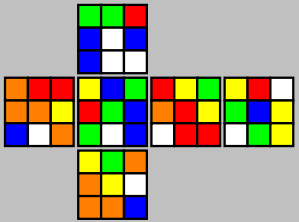
1.	D2 R2 D2 U' F2 L2 F2 R2 D' B D2 L2 D R B2 U L R' F2 L2	
2.	B2 U L' F' R2 D L F L D B' L2 F2 D2 B U2 B U2	
3.	L2 R2 B' F2 U2 L2 F2 U2 L2 B2 U2 L D' L U2 R' F2 L B L	
4.	U' L2 U' B2 D2 U' L2 B' L2 B' R' D' B2 R B2 L B2 R U'	
5.	D2 L B' U' B' U' F2 B R' U R2 U2 L' U2 D2 L2 F2 U2 D2 R'	
Extra scrambles		
E1.	D2 L2 U B2 D' B2 U' L2 B L' U' R D U2 B' R2 U L2 D'	
E2.	F2 L2 B' F' D2 F L2 F2 R B' R U' L' D' F D' R' F	

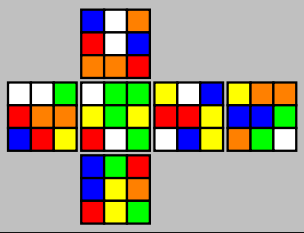
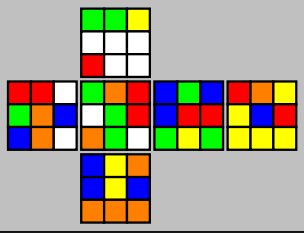
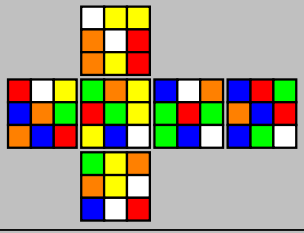
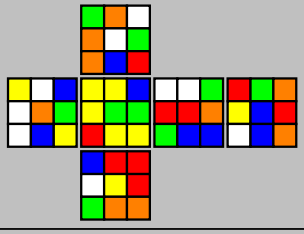
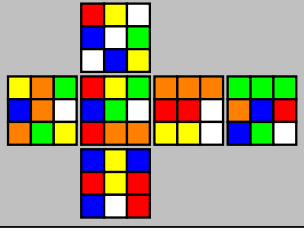
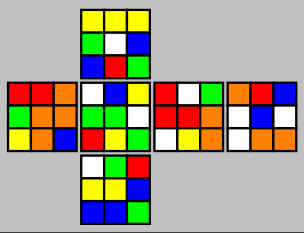
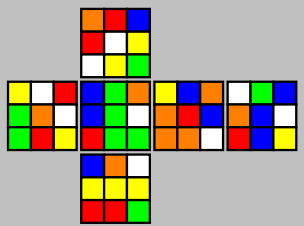
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2.	U' B' L B2 U2 D' B R2 B2 R F' U2 L2 F2 D2 B U2 B D2 F	
3.	B2 R2 B2 D' R' F' B D' R' U L2 B' U2 F' B2 D2 F L2 F'	
4.	F2 B2 D R2 L D2 F2 D' F' B2 R2 F2 D2 F2 U2 L D2 L2 F2 B2	
5.	B2 U2 L2 B2 F R2 D2 B U F2 U' L' F R2 B2 R' B D L2	
Extra scrambles		
E1.	D B2 D F2 L2 D2 L2 D' B' U' L B F' D2 L' F R D' B2	
E2.	R2 F2 L2 U' L2 R2 D' U' F2 D' F2 L' F R2 B' R U B' D F2 L'	

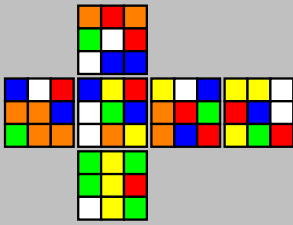
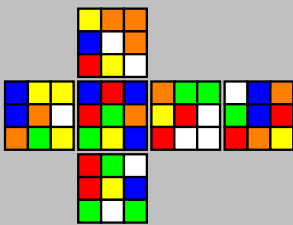
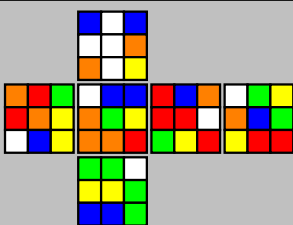
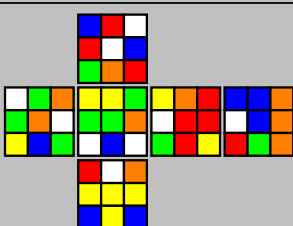
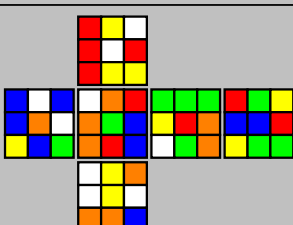
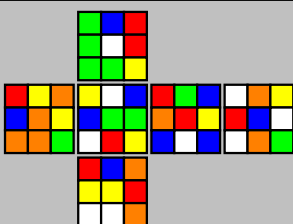
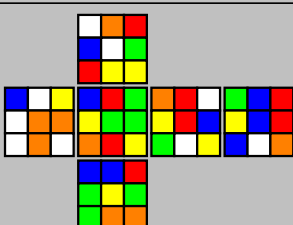
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2.	U2 L2 F2 U2 L2 D' L2 F2 R' D2 U' B2 U L2 F' L R' B' R	
3.	R' D2 R2 B2 L D2 F2 R2 B2 D L' B D2 F' U B L' B' D' R'	
4.	D2 R2 B L2 D2 F2 R2 U2 F2 U2 F' R' D U' F' R2 D2 R B U2	
5.	R2 L2 D' F L2 D' R' F U2 R U F2 B2 U2 B2 D2 R2 U' R2	
Extra scrambles		
E1.	F2 L2 B2 R2 U2 F2 D F' L D2 F' D' U L2 R B U F U'	
E2.	R U F2 D B R F L' U' D2 L' U2 F2 D2 B' L2 B U2 B	

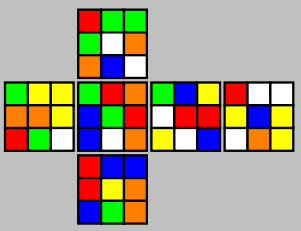
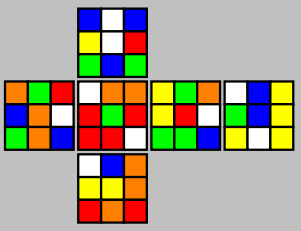
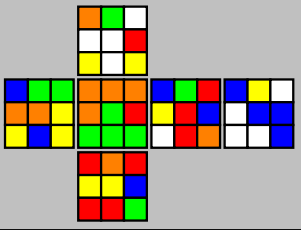
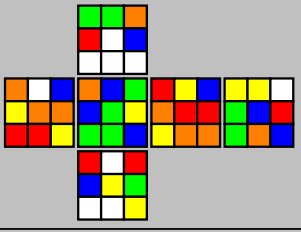
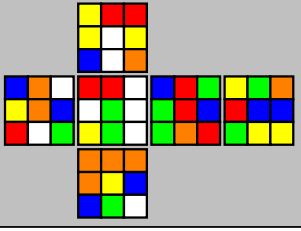
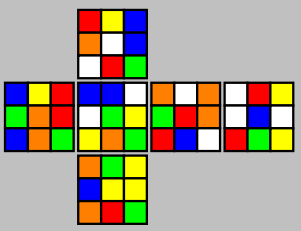
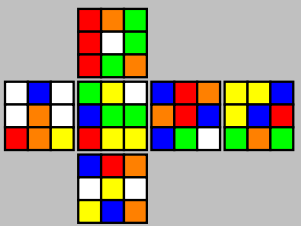
1.	R2 B R2 F' R2 F2 U2 L2 F L' F U2 F' U' B' F' R2 U2	
2.	B2 L2 B' D2 L2 B R2 F2 U2 L2 F' U' B2 D2 R' D2 U' B R D'	
3.	U' L2 B2 R2 D R2 U' R' D F' L U R D L F' L2 D2 F	
4.	R2 D2 B L2 R2 F2 D2 U2 L' B D2 R' U L B2 U' L2 F' D2	
5.	L2 F2 U' L2 B2 U' F2 U' R F D2 L2 D2 R2 D' F2 L' B2 R	
Extra scrambles		
E1.	B2 F2 L2 B2 U' B2 D2 F2 U2 F' L2 D U' B L B' U2 F' U B2	
E2.	R2 U' R2 D B2 F2 R2 B2 U B' D2 F2 U2 R' B' U' L' F' U2	

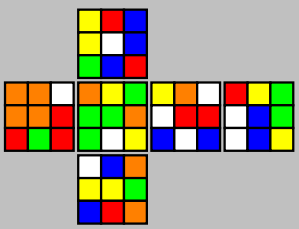
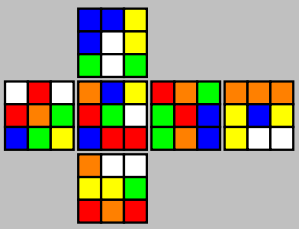
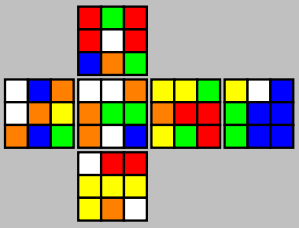
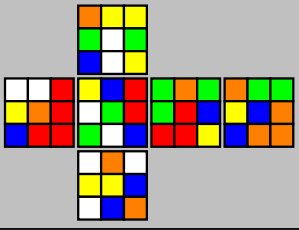
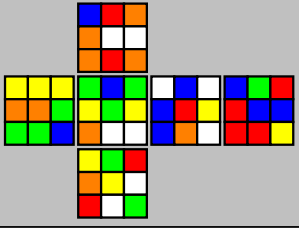
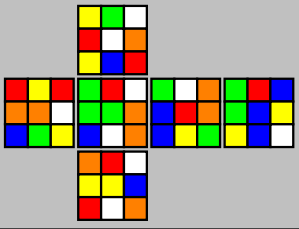
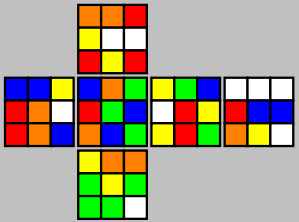
1.	U L B2 D2 B2 U' R' U' D L2 U F L2 B' R2 L2 F' R2	
2.	B' D2 F' U F2 R U B R2 U' F2 B2 R' D2 F2 R U2 R' F2 U2	
3.	L2 F2 D L2 U B2 D2 U' B2 D' B R' D2 F R U2 F' U' L' F2	
4.	L' F D2 R2 F2 B' U' D F' R2 F D2 L D2 R' D2 R2 D2 L'	
5.	F U R D L2 F' U B U' D' R U2 B2 R F2 B2 U2 R' F2	
Extra scrambles		
E1.	D B2 D' L2 D2 L2 F2 L2 U' B2 R2 F L D F2 D2 U' R' F R2	
E2.	D2 F' L2 F' U2 F2 D2 U2 F L2 F U R D L' R' F U' L U'	

1.	R B' U2 L2 F' R' L' F2 L' U' L' D R2 U L2 U L2 U2 B2 L2	
2.	F2 D2 F2 D2 U R2 U F' D' U2 L' D B' L R' F2 L B	
3.	D2 U2 R B2 F2 L' B2 L' U2 F' D2 F2 U' R' D F' R2 U L R2	
4.	F' L' U' B2 L' U' B D' R' F' R U2 D' B2 U2 D2 L2 B2 R2	
5.	R2 F2 U' F2 L2 U' B2 D2 L B U' R' U R2 U' F R' U' B' U2	
Extra scrambles		
E1.	U R2 U' B2 D2 B2 F2 L F2 R2 U R F' R D B2 L2 F' R2	
E2.	B U2 R2 D2 R2 B2 L2 F2 L F' D' R B' U2 F2 R B' F' R'	

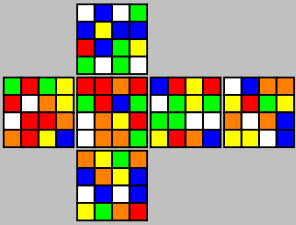
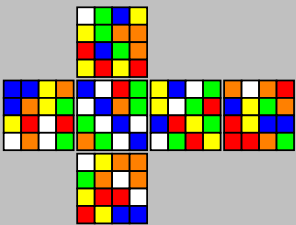
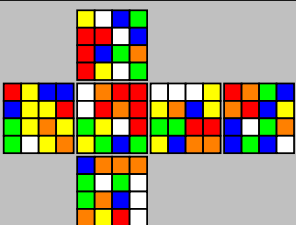
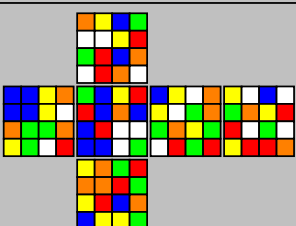
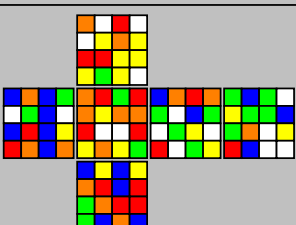
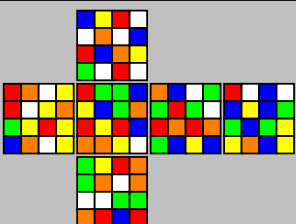
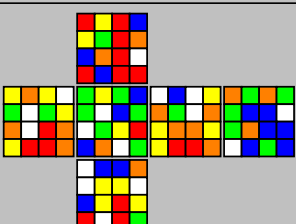
1.	R' U2 F' L U' F R F U2 R B2 R2 D2 B' U2 F2 B R2 B'	
2.	U2 R2 F2 D2 B2 U2 L2 U' R' F2 L2 R' D' R' F L2 D2 U' R'	
3.	D2 F2 U2 B2 L R D2 R F2 L F2 U R' B F U' F2 D B' F	
4.	D2 R2 F' L2 B D2 L2 U2 F2 U R2 U' L' B F' U L' U2 L2 B	
5.	L2 D' R2 F2 D L2 U B' L' F2 U' L2 U2 F2 U L F D	
Extra scrambles		
E1.	B R2 F' R2 D2 B2 D2 F2 D' R B F L' B' F' L' R2 D B'	
E2.	B L2 F2 R2 F R2 D2 R2 U' L' U' L' D' B2 F' L R2 B2 L	

1.	<p>D' R2 B2 D' L2 U2 B2 F2 R' F D' R B2 U' F' L2 R2 U2 L U'</p>	
2.	<p>R D' B' D2 R' L' F L' U B' R2 D2 R2 B2 U' L2 B2 R2 U</p>	
3.	<p>F B' U D2 L2 F L' U' F' R2 U F' R2 B2 R2 B D2</p>	
4.	<p>L2 B2 R' D2 U2 F2 R' D2 F D L2 B' D B2 F L2 R' U2 R'</p>	
5.	<p>U D' F B' D' L' B2 L U2 R B L2 U2 D2 F' D2 L2 F' L2</p>	
Extra scrambles		
E1.	<p>U F U2 R' B2 R D2 R D2 B D L2 D2 F2 D2 R U2 R L</p>	
E2.	<p>R' D2 R' B2 L R' D2 R2 B' D' F' R' D' B F2 D' L R' U2</p>	

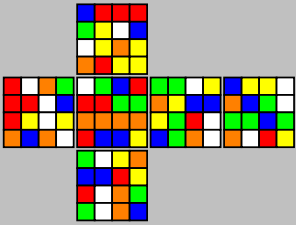
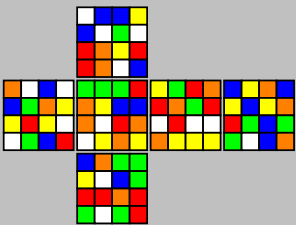
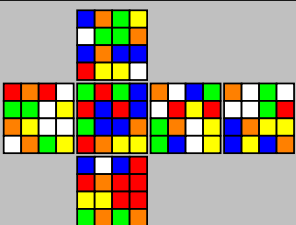
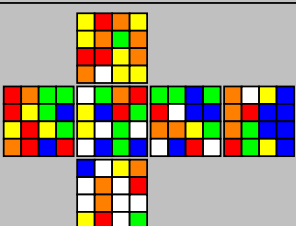
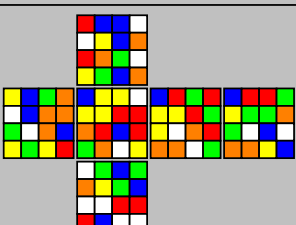
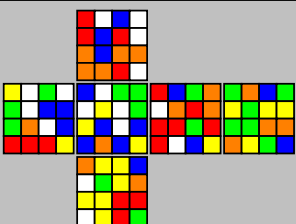
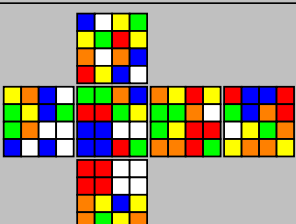
1.	B2 L F' B2 R B R2 U' L2 U' L D' F2 U B2 R2 B2 D2	
2.	B2 L2 U L2 D R2 D2 F2 L' F U B U' B' U2 B' D B2	
3.	L2 U L2 R2 U2 L2 F2 U' F2 R D L R2 B' L2 B L' F' U2	
4.	F2 R B' U F2 L' F2 B2 U F2 D2 B L2 U2 B U2 R2 D2 L2 F'	
5.	U D' L2 B' L' D F2 U2 B2 L2 B' L D2 B2 L2 U2 B2 L2 D2	
Extra scrambles		
E1.	D' B U2 L D' R2 L2 B' R D B U R2 L2 D2 B2 R2 U B2	
E2.	F2 D2 R2 U2 L D' L B L F B R2 B2 D' L2 F2 D F2 D' R2	

1.	D2 L2 F' L2 D2 B' L2 D2 F2 D2 L R' B R2 D L' F2 D2	
2.	B2 R2 D2 B2 L B2 D2 R' B U' B L2 D' F' R' U2 R' B R	
3.	D F2 R' B' L F B R B' U2 L D R2 D F2 B2 D2 L2 U F2	
4.	B2 L R2 B2 L U2 R2 D2 B2 D2 L F L2 D' F' L F2 R' F2	
5.	L2 D' F2 L2 B2 L2 U' F' U R2 U B2 U L F2 L2 B' D	
Extra scrambles		
E1.	R' F2 D B L2 U' D' F' U2 B' L2 F2 R' F2 U2 F2 R U2 B2 R	
E2.	U2 B2 R2 B' F2 D2 R2 D2 R' U' B R B2 F' D' U B' D B2	

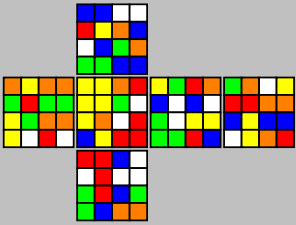
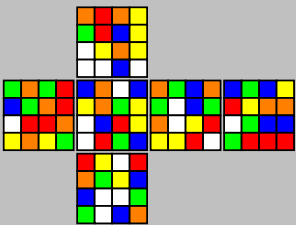
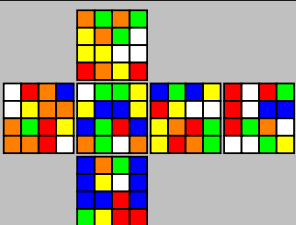
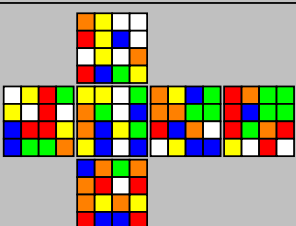
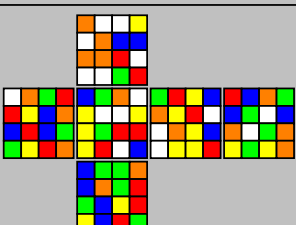
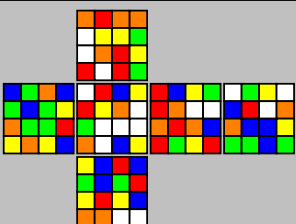
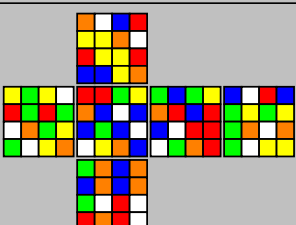
4x4x4 Cube Round 1 Group A
Scrambles for Kjeller Open 2016

1.	<p>L B2 R' D2 U2 R' D2 R' F2 R' U F2 B2 L' F' R U R D2 U' Uw2 Fw2 L' F Uw2 R2 Fw2 F2 R' U2 R2 U2 Uw B2 R B' Uw2 F2 Rw Uw' U Fw R Fw' D2</p>	
2.	<p>L2 D2 R2 U B2 F2 U' L2 B2 D2 B' D2 L2 U' F R U2 F' R U' Rw2 B2 Uw2 R' U2 B2 D' Fw2 U L' D2 Fw2 F' R' Fw D2 B L Rw Fw U2 L' F Rw Uw</p>	
3.	<p>L U2 D2 R' B2 L R2 B2 L2 U2 B U' D' F R D' L2 B R U L2 Fw2 Rw2 L Fw2 B2 Uw2 U Fw2 R' U' R B2 Fw' D2 L2 Fw F' B' Rw' Uw' F2 R' Uw2 L</p>	
4.	<p>D2 F2 R2 U2 R D' R2 U R2 B' R2 D' B2 R2 B2 F2 D' Fw2 Uw2 D Fw2 R D Fw2 R2 Fw2 R B2 Fw' U D' Fw F' U2 B' Rw' Fw' L Fw2 Uw L2</p>	
5.	<p>R' U2 B2 R F2 R L2 B2 U' B U' R' U B' L F' R' B R Fw2 Uw2 L2 D' Fw2 F' D' Rw2 B' U2 D2 B2 Rw' F D2 Fw2 L2 F2 Uw Rw D Fw R2 B' Rw</p>	
Extra scrambles		
E1.	<p>L' R' B' R' F2 U' L' B D2 F R2 D L2 U2 R2 F2 D2 L2 D' B2 Uw2 Fw2 D B' Uw2 D' F' D' Fw2 L2 B U2 Rw D L Fw2 Rw2 Uw L' Fw Uw Fw2 R D' F2</p>	
E2.	<p>D' B2 R2 U' B2 U D2 B2 U' R2 F U' D2 R D' F D L U D' B2 Rw2 Uw2 L2 F' D2 F' D Rw2 F U' Rw2 U2 Rw D' Fw2 L2 D Uw' R' Fw Rw B2 L' F2</p>	

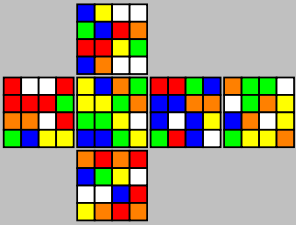
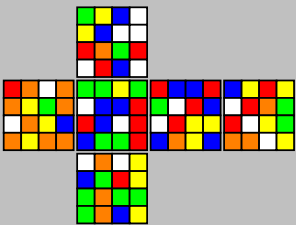
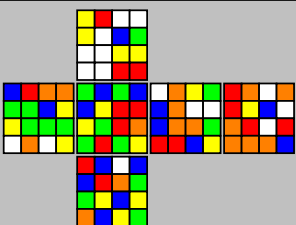
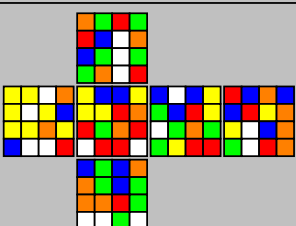
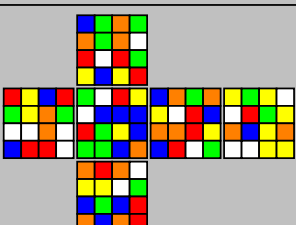
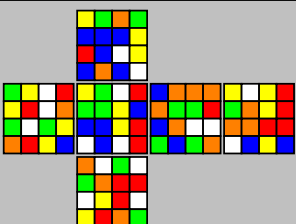
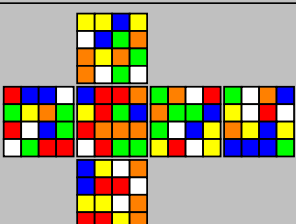
4x4x4 Cube Round 1 Group B
Scrambles for Kjeller Open 2016

1.	<p>U2 D2 L' U2 R2 F2 R' D2 R F2 U B D2 R2 F L' R' D2 B Rw2 U2 Fw2 F R2 D Fw2 U' D2 Rw2 D2 B R2 Rw' D' F L F2 Uw' F2 Uw Rw' Uw Fw' L</p>	
2.	<p>R U F' D R2 D2 U R B2 U B' L U2 F2 R' F2 R' U2 R' D2 Uw2 Rw2 D' R B2 Uw2 R2 D L' Uw2 U Fw2 D2 B L R2 Fw D' Rw' F2 Uw' Rw' Uw' U2 D'</p>	
3.	<p>L F2 U F' D2 L2 U R' L' D' R2 F2 R B2 L U2 L' D2 F2 Uw2 F Rw2 Fw2 B' U2 Rw2 L F L' R F' Uw B' Rw2 B' Uw' D' Rw Uw' Fw' L2 Uw2 R2 B</p>	
4.	<p>U B2 L2 F L D U2 F' L' U F2 L2 B2 R2 D2 U2 B2 U2 R F2 Fw2 L' U2 Fw2 D' Fw2 Rw2 R' Uw2 L' D Rw2 Uw2 Fw Rw2 B2 U' Rw2 Fw D Rw L2 Fw' F2 Rw</p>	
5.	<p>D R2 U2 L2 F2 U2 B2 D' F U2 L U B L2 U' F' D' B2 D' Rw2 Uw2 D2 F D Rw2 F2 D Rw2 U' R2 B F' Rw F' Rw2 U2 Rw' R' Uw' F2 U' Rw' Uw L'</p>	
Extra scrambles		
E1.	<p>F' D L2 F R' L2 D L' U D' F' R F2 R2 D2 L F2 L D2 R Uw2 F2 L' F' R Uw2 B L F2 Uw2 Rw2 L2 Uw R' U F' D' B2 Fw Uw F Rw' U' R2 Uw2</p>	
E2.	<p>B' U2 R2 F L2 D2 B' L2 D' U' B2 R' F D B' F' L2 U L Uw2 Fw2 Rw2 L Uw2 U' L' U' Fw2 Uw2 U D2 L' B' Uw2 Fw U' Fw' D F Rw' Fw' F Uw'</p>	

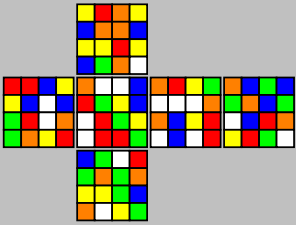
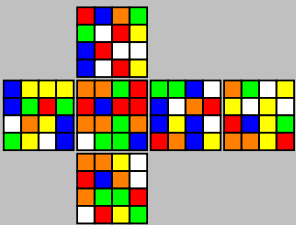
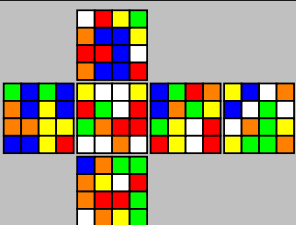
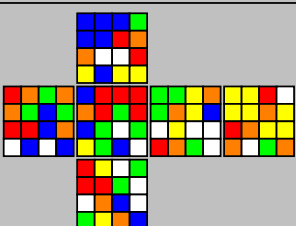
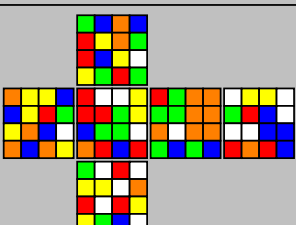
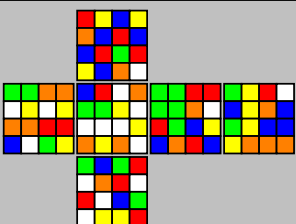
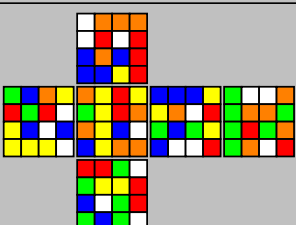
4x4x4 Cube Round 2 Group A
Scrambles for Kjeller Open 2016

1.	<p>U' B2 R2 D L2 F2 L2 F2 U2 D' B2 L' F U' R F' B2 U2 D' L2 Rw2 U Rw2 D2 F Rw2 B D U Rw2 D B' Rw Uw2 L D' R2 Fw' D2 R' Uw' Fw' D R' L'</p>	
2.	<p>U L B2 D U2 F2 L F D B' R2 U2 B2 U L2 U L2 U F2 D' Uw2 R Fw2 F2 L Uw2 Rw2 D F2 D' Fw2 U' Fw Uw2 R L' D L' Fw2 Uw' Rw F Rw' Fw' U2</p>	
3.	<p>F2 D2 F2 D' L2 F2 B2 D F2 U B D2 R L2 U B2 U' F' R D2 Fw2 L' B Uw2 F D2 B Rw2 U2 F' Rw2 B2 L2 Uw' L' Uw2 Rw2 D' F' Rw D F' R Uw' B</p>	
4.	<p>U2 D R L' F2 D2 R2 F D' L' F' U2 B2 L2 B2 R2 U2 F' Fw2 R' D' Fw2 L2 B2 L' U2 Rw2 R Fw2 U' F' R' Fw' D U Uw' R Fw Uw' D2 R B2</p>	
5.	<p>R B R2 U' L D L F2 B L2 D' R2 D B2 D2 R2 L2 D' R2 U Rw2 B' Rw2 F D2 Fw2 F2 U L2 D' F U' R F Rw R' D U2 Fw' R Uw Fw2 R' Fw2 Rw2 U'</p>	
Extra scrambles		
E1.	<p>B D L2 B' U L' B2 D2 L F D2 L2 B2 F2 L' B2 L' B2 D2 B2 Fw2 L' U' Fw2 B2 Rw2 U L2 D Fw2 R' Uw2 D' Fw' D2 Fw R U2 Uw Rw' L' Fw2 U2 Rw2 Fw'</p>	
E2.	<p>R2 B2 D2 R2 U D2 B2 D R2 U R D' B' R U L B' R U L2 Fw2 Uw2 F Uw2 L B R' D2 L' B U2 B' Uw' F2 U' B2 R' Uw Rw' B2 Uw2 F Uw' Rw2 Fw2</p>	

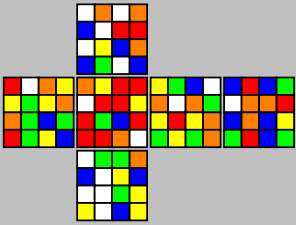
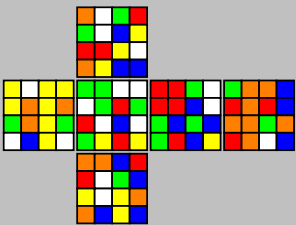
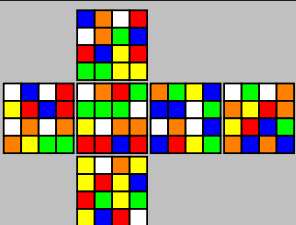
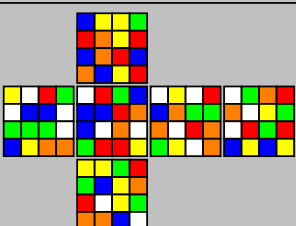
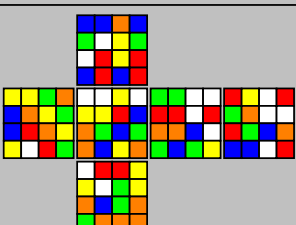
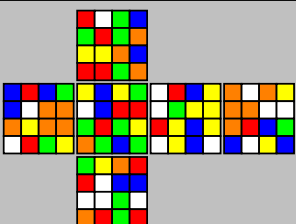
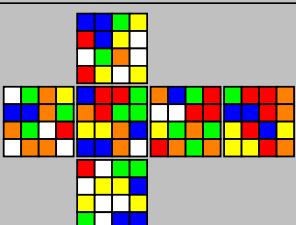
4x4x4 Cube Round 2 Group B
Scrambles for Kjeller Open 2016

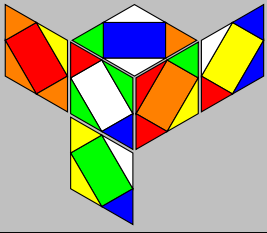
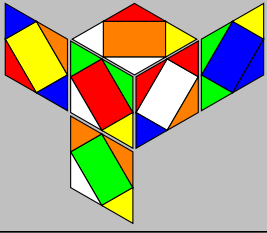
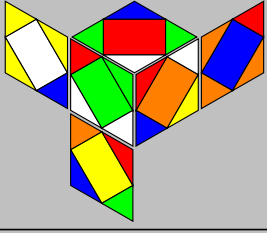
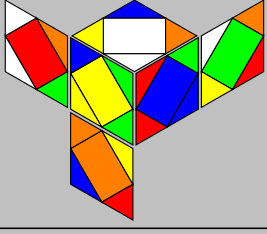
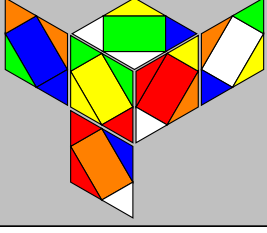
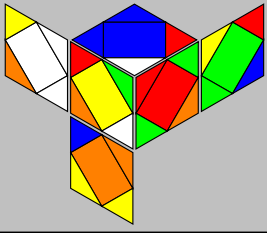
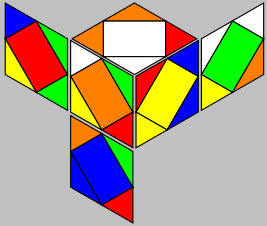
1.	<p>R2 U2 R2 D R2 U2 F2 D U2 L U B' D F L' U R U R2 Uw2 F B R' Fw2 B' R Uw2 R' D2 B2 F Uw' B2 R2 D2 R Rw' Uw2 Fw' R2 B' Rw' Fw D2</p>	
2.	<p>U2 L D' F2 R B' U R U F' R2 D L2 R2 B2 U L2 Fw2 L' F2 R2 Uw2 B' Rw2 R2 Fw2 L' R F Uw' L' B2 D' L2 D' Fw Uw2 F' D' Rw' U2 B'</p>	
3.	<p>R' F2 L U2 R2 L U2 L F2 L2 U2 B R B2 L D R' U2 F' R Rw2 Uw2 F R' Uw2 R L' F2 L' F B2 Rw2 L' Uw' B2 L2 D' F' U2 Fw L' Uw2 L Uw Rw2 B</p>	
4.	<p>U2 L F2 R B2 D2 R2 U2 R' U2 R B' L2 D L' U' F R' L' F L Rw2 Fw2 B' Uw2 D2 L Uw2 L' Uw2 F B2 Rw2 Uw B' L' Uw2 Rw2 Uw' D2 Fw' L D2 Fw' Rw Uw2</p>	
5.	<p>U2 F2 D2 F2 L2 U2 B' U2 B' L2 B' D' R B R2 U R F' U F2 L' Uw2 Fw2 D L2 Fw2 B2 F2 R U' R Uw2 Fw' L U L B' Uw2 Fw Rw' D B' U' Rw F</p>	
Extra scrambles		
E1.	<p>U2 L2 R2 F' U2 B R2 F2 U2 L D U' F2 U2 F' D2 R' F2 L D Uw2 R F L' Uw2 L B R F' Rw2 F' R2 Uw' R' B U L' F2 Fw' Rw' U' R' F Uw' L'</p>	
E2.	<p>L2 B U2 B' U2 L2 U2 F' R2 U2 F L' U2 D L2 F' U' D2 R2 D2 Rw2 D' F' Uw2 B Rw2 L2 D2 Fw2 R2 U' Rw2 Uw2 Rw L2 F2 R2 Uw' D' L' Fw R Uw2 U2 Fw2</p>	

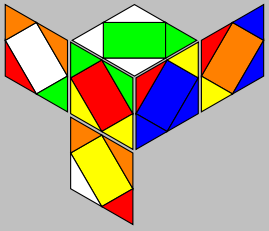
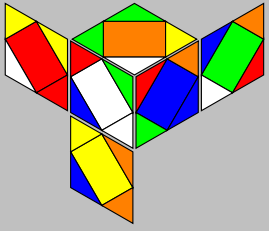
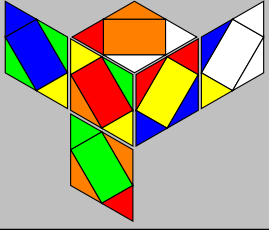
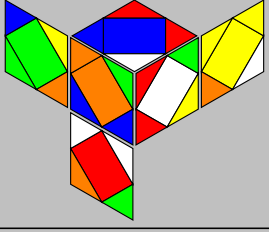
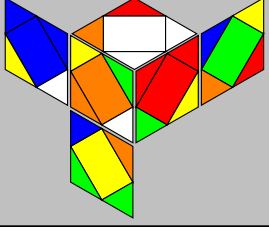
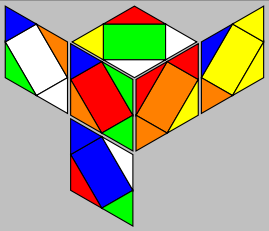
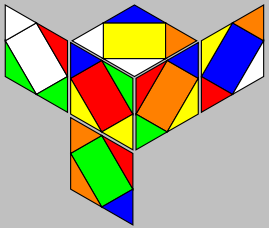
4x4x4 Cube Round 3 Group A
Scrambles for Kjeller Open 2016

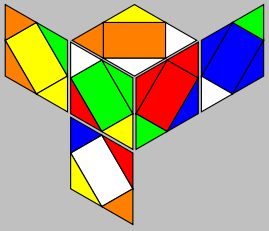
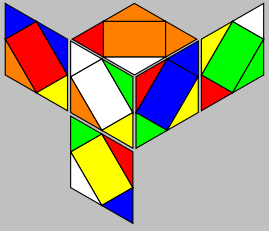
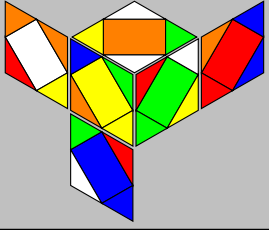
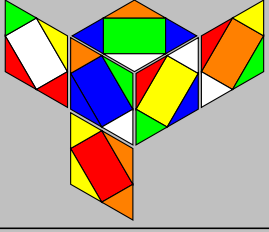
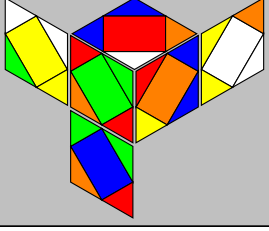
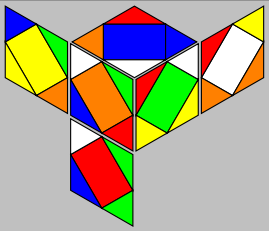
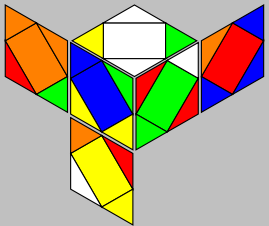
1.	<p>F' R' L U L2 B L' F2 U' L' D F2 R2 D2 B D2 R2 F L2 F2 Fw2 U' Rw2 B' D2 B D2 Fw2 Rw2 F R2 U Rw' D Rw2 L2 F2 Fw' Uw Fw2 R2 D' U' B2 Uw'</p>	
2.	<p>U2 F' R2 D2 B' F' U2 L D' L' B R2 F R' D2 R2 U Rw2 Fw2 B' Uw2 D' Rw2 B2 R2 Uw2 B' U2 B2 R Uw2 Rw D F' Uw Fw R' Uw' B' Uw2 Fw U</p>	
3.	<p>R2 U2 D R2 U' B2 U2 D' F2 D' R D L' F2 B' U2 D R' F B' Fw2 Uw2 L D2 Fw2 U2 L F' Rw2 F' L2 U2 F' Uw R2 F R' Uw D' B Fw Rw U2 Rw2 D2</p>	
4.	<p>U' L' B2 D B' D' U' R D2 R2 U' L2 D2 R2 B D2 F' B2 L2 Rw2 F' Uw2 U2 Fw2 U2 Rw2 D F' B2 U' Fw2 F' Rw L B2 F' L2 Fw Uw2 R D' Rw Uw R2</p>	
5.	<p>U' B2 R2 D R2 B F' L U' L' U2 R2 L2 U B2 R2 D2 R2 U2 Rw2 D' F B2 U' Rw2 Uw2 Fw2 U' B D F R D Fw2 F' Rw L2 Uw Rw L' R2 Uw' L2 Uw</p>	
Extra scrambles		
E1.	<p>U2 B2 U2 L2 B2 L' U2 R' D2 F' U' D2 B2 D R' D' B L' R U Rw2 D2 Fw2 Uw2 L2 B' Rw2 L' F' Uw2 R Uw2 F' Uw U' B' D F2 U2 Fw Uw L' F' Rw Uw' Rw2</p>	
E2.	<p>L2 R2 B' L2 F L2 F2 U2 R F2 D L' D' U B' U2 R2 B D2 Rw2 Fw2 Rw2 B D' Rw2 B' Uw2 F' D' Rw2 L2 R U' Fw2 Rw' F2 Uw Fw U Rw2 Fw' L2 D R</p>	

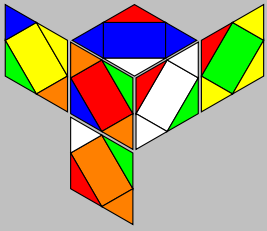
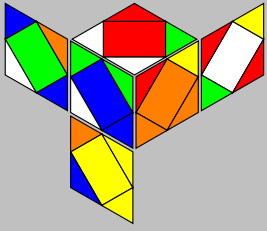
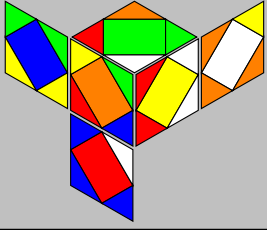
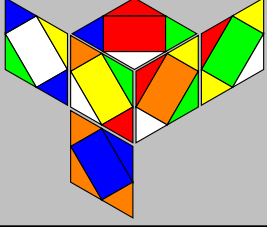
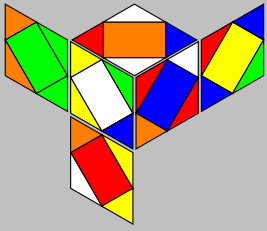
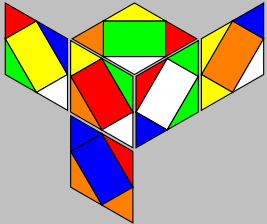
4x4x4 Cube Round 3 Group B
Scrambles for Kjeller Open 2016

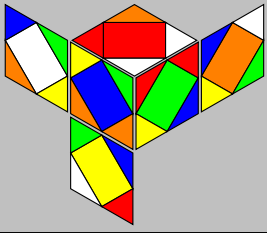
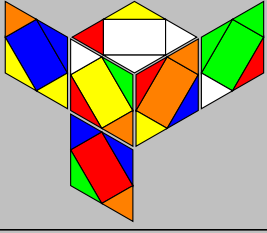
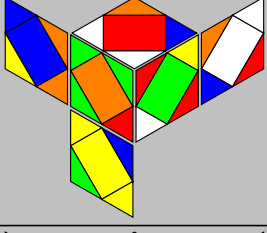
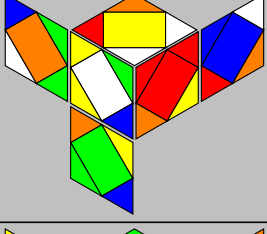
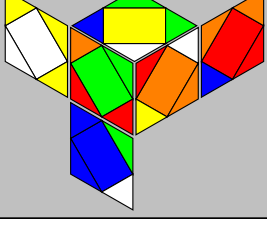
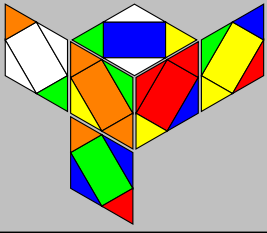
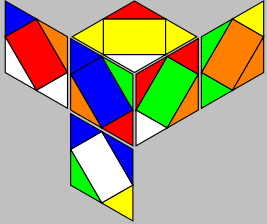
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2.	<p>L2 B' L2 B D F U2 D' F' L' B2 U2 L U2 R' F2 R F2 D2 Fw2 Rw2 Fw2 B' Uw2 B' U' Fw2 U' B F2 Rw B2 U F2 U' R B' Uw Fw D' Rw2 D2 Fw' L</p>	
3.	<p>F2 R B2 L D2 R2 L' B2 D2 B' L' B2 U2 L D R U' B2 L' Uw2 Fw2 F' Rw2 B' R2 Uw2 D B' Rw2 D B2 U' Rw' B2 F2 D2 B' Fw R2 Uw' R2 Uw' F Rw' F</p>	
4.	<p>U R2 D' F2 R2 D' U2 R2 U B R U R2 D' L U F D' U' Uw2 R' Fw2 L F' Rw2 B' Uw2 F' U2 B Rw2 R Uw' L' F2 L2 B' Uw2 Fw' L' Uw Fw F2 D'</p>	
5.	<p>L2 F' D2 F' R2 D2 B L2 B' R2 B' L' U2 D' R' F' R U B2 D2 Rw2 F' U2 Fw2 D' F' Rw2 Fw2 Uw2 D B U Fw2 L D' B Rw B L Fw R' Uw Fw' Uw' F2 D</p>	
Extra scrambles		
E1.	<p>L2 B2 L2 B R2 F' D2 F U' B' U' F' D' L2 U2 L2 F2 R' Uw2 R2 B D' Fw2 L2 U D Rw2 D B R2 Rw' B R F' U' Uw' Fw' L' U2 Rw' Uw2 U2 R'</p>	
E2.	<p>R B' L2 D U' F D' L F' D F2 U2 L2 B D2 B' L2 B' D2 L2 Uw2 F' Rw2 R L2 Uw2 B' Uw2 U2 Rw2 F' U2 D2 Uw' B' F2 L' R2 Uw Rw Fw U2 Fw2 Rw D' F'</p>	

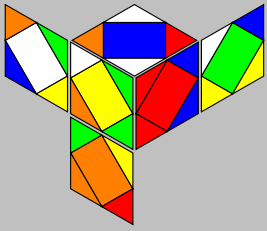
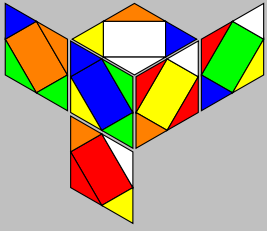
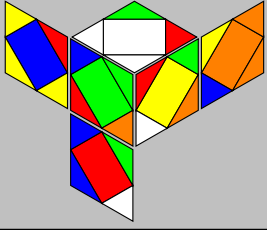
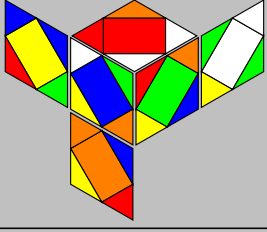
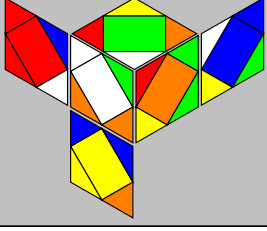
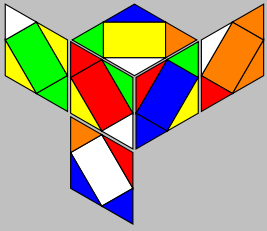
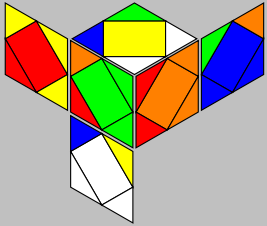
1.	R B L U R L R' U B' U R	
2.	B R' U' L B' R L' R' U' R B	
3.	L B L' B R B U L B U' L'	
4.	B R L R' L' B U B R' U L	
5.	U B U B' R' L B U R L B	
Extra scrambles		
E1.	B L U L' B' U R L B' R B'	
E2.	U L R U' L' U B' U' B U R	

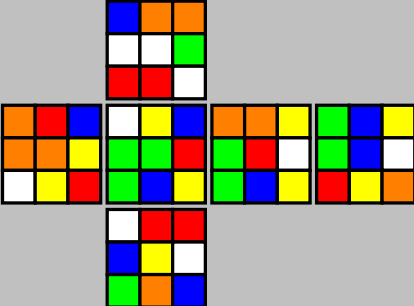
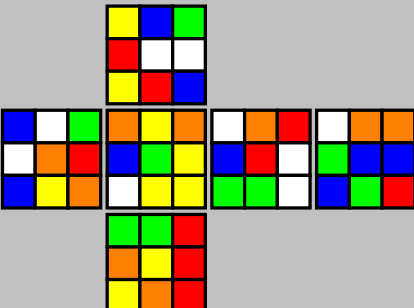
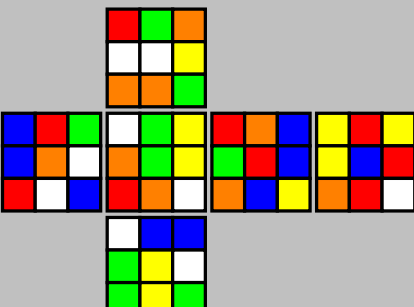
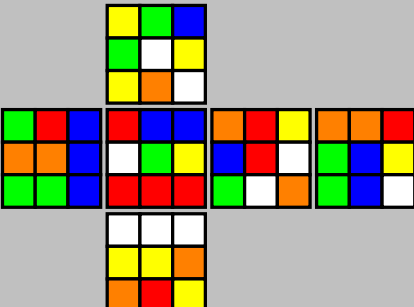
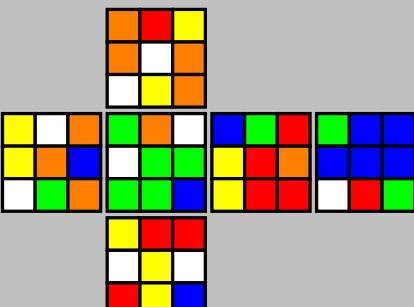
1.	R U L B R' U' B' L R' L U'	
2.	B L' U' B L B' U' B L' R' L	
3.	B R U R L U' R B' L U R'	
4.	U B U L' B' U B' L B' U R'	
5.	L U L' U B' U' B' U' L' U L	
Extra scrambles		
E1.	R L R U' B L' U' R' L U' R'	
E2.	U B L' R U' B U' L' U' B U	

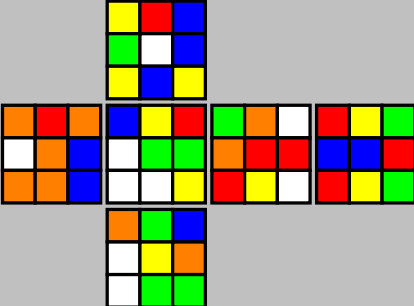
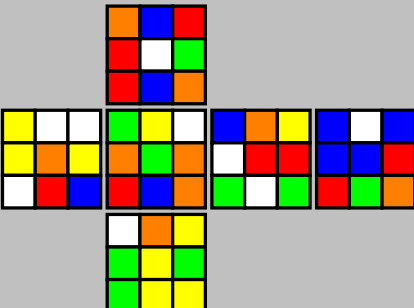
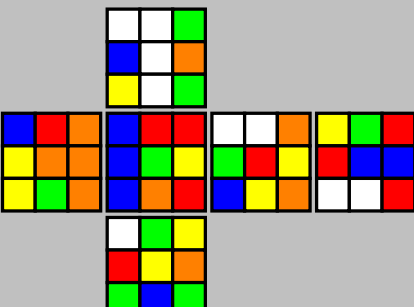
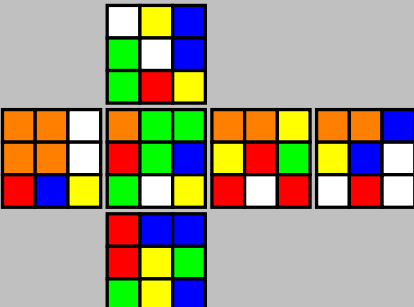
1.	R L R' B' L R L B' R U B	
2.	L B R U' B U B L U R' U	
3.	L B L R L B' R B R' B' U	
4.	L U' R' U B L B L' R' L R	
5.	R L U R' L R' U' R' L' R U	
Extra scrambles		
E1.	R B L R B' R' B' U R' B' L	
E2.	L U L' U' R L' U R' L U' L'	

1.	B U B U' R L R L B' R L'	
2.	L R B R L U' L U L R' U'	
3.	L U L U L U L B L B R'	
4.	L R U B U L' B' R L B' U'	
5.	B U L R B U B' L U' L R	
Extra scrambles		
E1.	U L U R' B U' L U B' R L	
E2.	U L R U' L R' B' R' B' U R	

1.	U L R B R' U' L' R L' B' R'	
2.	R L B R B' L' R L B' L R	
3.	L R U' L B R L' U' B R B	
4.	U R L B L' R' U B' U' L' R'	
5.	U L' R B R' B L' U' B' L B	
Extra scrambles		
E1.	U R L R U B L' R' B' L' U'	
E2.	L B L' R' L B U B' U' L' U	

1.	L B U' L' U' B L' B' U' L B'	
2.	L R B L R' U L' R' U L' B'	
3.	R U L' R U R U' L' B' U' R	
4.	B L R B R L U' L' U' B R'	
5.	R L B' L' R' B R U' L' B L	
Extra scrambles		
E1.	R L R L' R U' B L' U B' L'	
E2.	L R L U' R U' L' U B' L U'	

1.	<p>L2 U2 R' U2 B2 U2 B2 U2 L2 R' B' F R F L' D' R2 D' F' R'</p>	
2.	<p>F D2 F2 B L B' L U' B' R' B U' D R2 D R2 B2 D L2</p>	
3.	<p>F2 L' F2 U2 L' B2 D2 U2 F D2 B D2 R2 B U R D' L F'</p>	
Extra scrambles		
E1.	<p>L2 D2 U' R2 B2 D' U B2 F' L R2 D U R' D2 L2 R D' F2</p>	
E2.	<p>F2 D' L2 D B2 U' R2 F2 U2 B2 U R B R' D' U2 B R2 F'</p>	

1.	<p>R2 U2 D F U R U' L F B R2 B2 D' B2 L2 U D' R2 B2 U</p>	
2.	<p>D2 R' D2 L2 U2 B2 D2 B2 U2 L' U2 F' D L' R' B2 U2 F2 U' F'</p>	
3.	<p>R2 B2 R U2 R2 B2 D2 L' U2 R F L2 B2 U R' U2 L' B' D</p>	
Extra scrambles		
E1.	<p>F D2 R2 F' R2 F R2 D2 R2 U2 F D' L2 R' B' F2 D R' D2 L2 U2</p>	
E2.	<p>D' L2 U' R2 D2 F2 D' F2 L' R' U2 F R2 U' L' B' L2 U</p>	