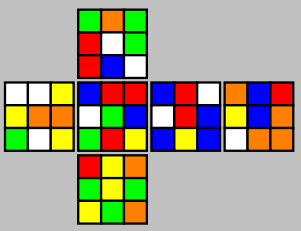
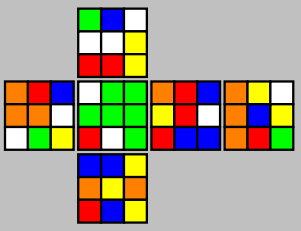
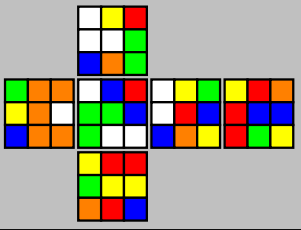
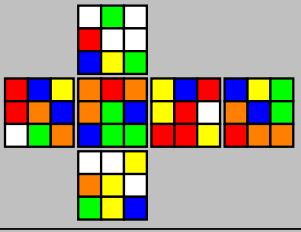
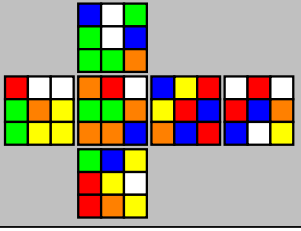
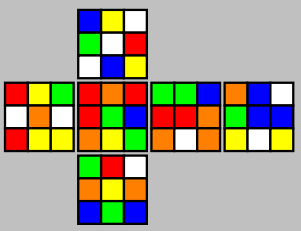
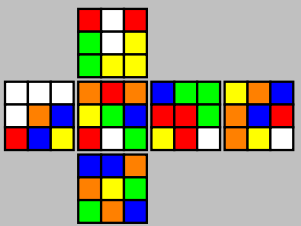
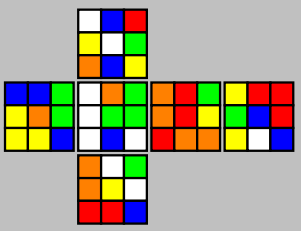
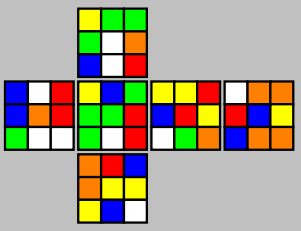
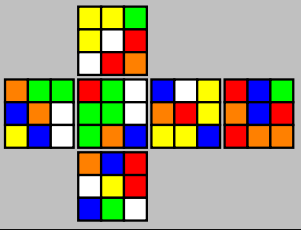
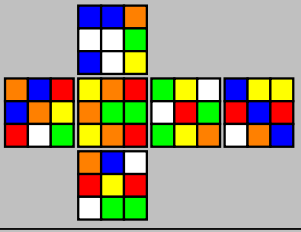
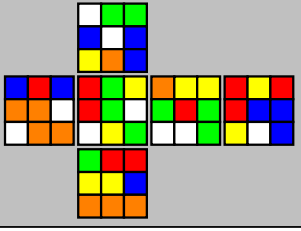
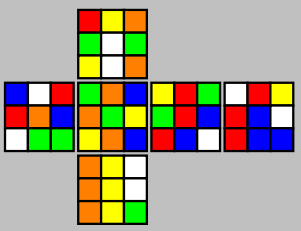
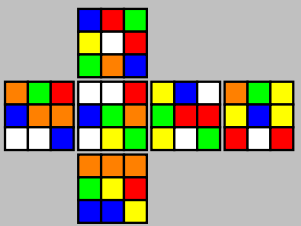
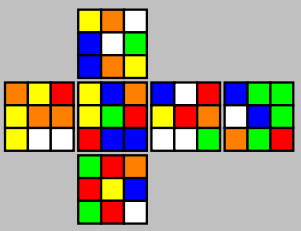
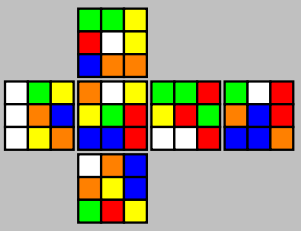
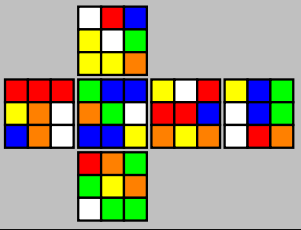
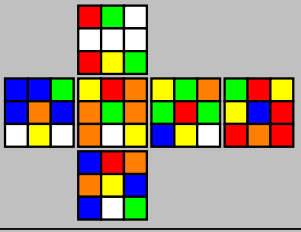
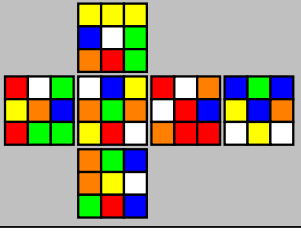
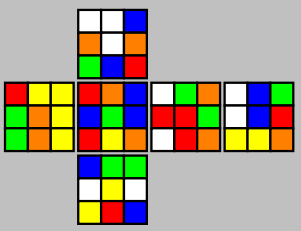
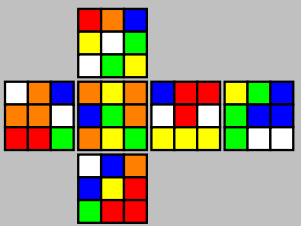
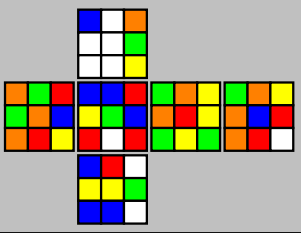
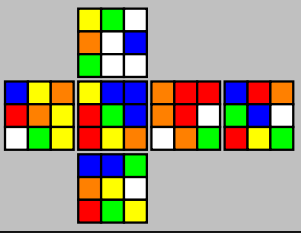
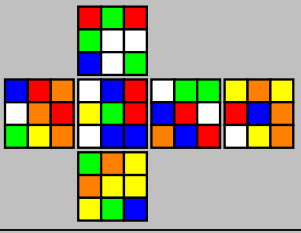
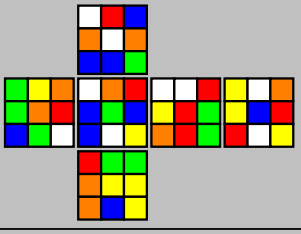
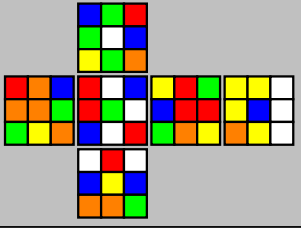
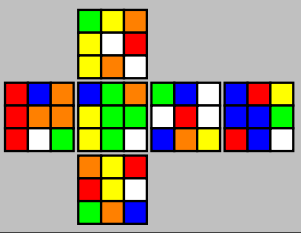
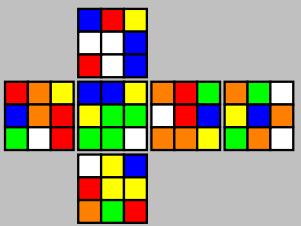
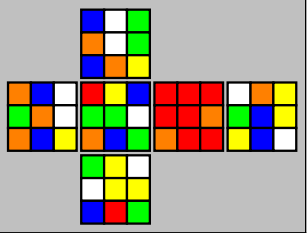
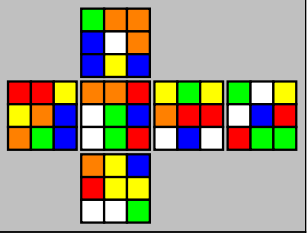
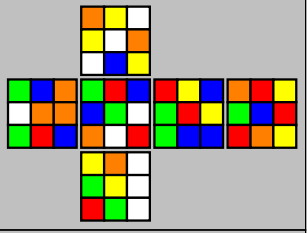
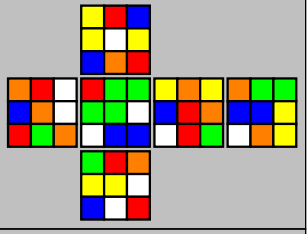
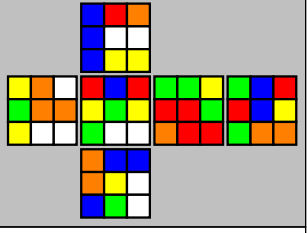
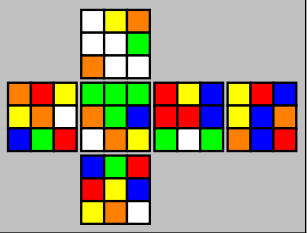
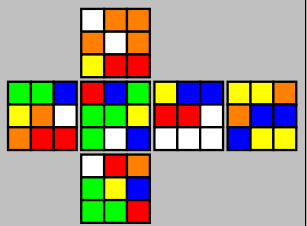


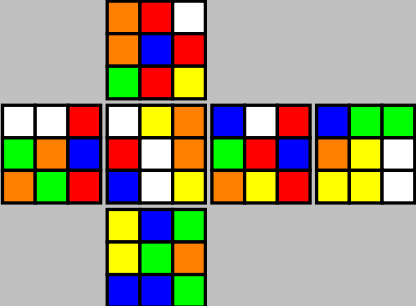
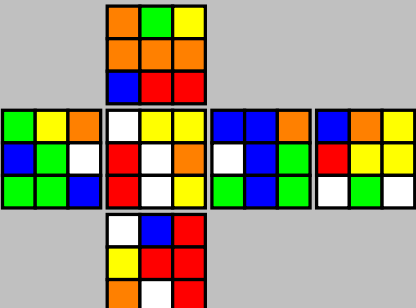
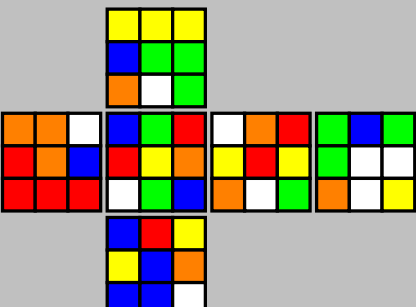
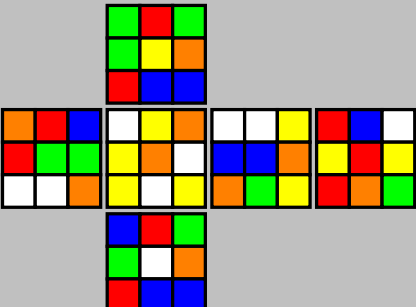
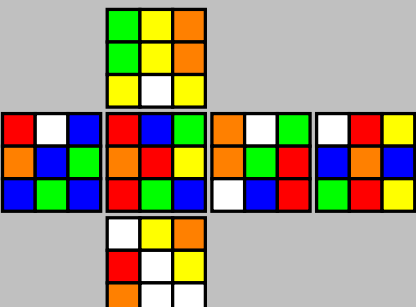
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2.	D L2 D R2 D2 L2 B2 U2 B2 F2 L' D2 B L2 F U2 R' B' R D'	
3.	F2 R2 F2 D2 R2 U' B2 U2 R2 U L D' L' B2 L' B2 U B U F'	
4.	B2 U' F U' F' U2 R D R' B' R2 U L2 F2 U' L2 U' F2 B2	
5.	U' L2 U' B2 F2 R2 D' U2 L2 F D' L2 D L' U' R U' F' D' U	
Extra scrambles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

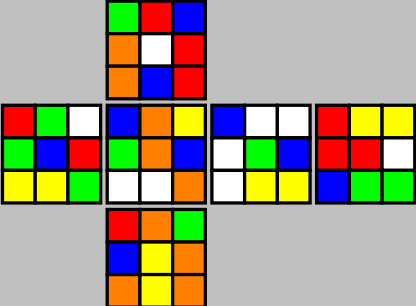
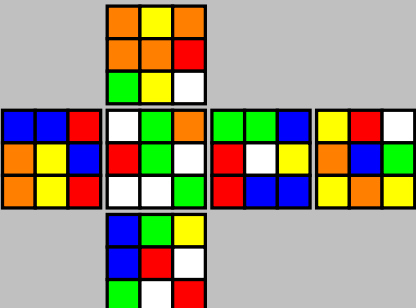
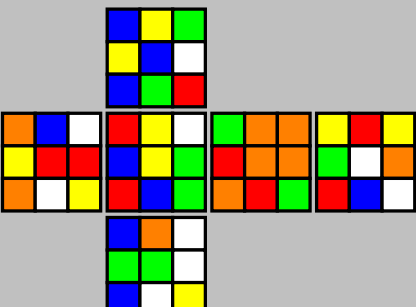
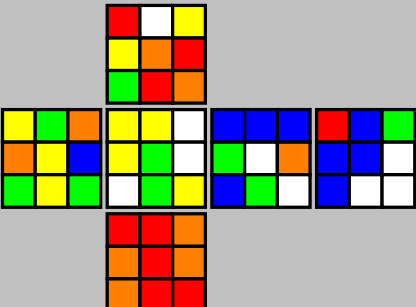
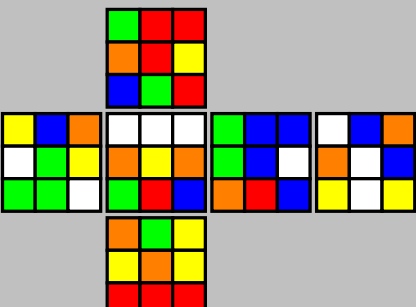
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2.	F' R' D B2 L F' B' R2 L2 D' R F U2 L2 U2 B2 R2 B' D2	
3.	L2 R' B2 L' D2 L' D2 F L' D' R' U' F' D2 B2 U L' R2	
4.	B2 L' U D R U' F' U' L' B D' B2 U2 B2 L' B2 R2 B2 R	
5.	F2 U2 L2 B2 F2 D L2 U B2 D' L2 F' D2 U' L R2 D B' D2 F' R'	
Extra scrambles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

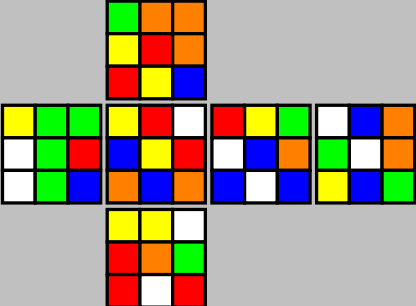
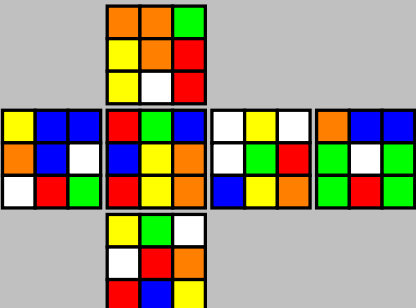
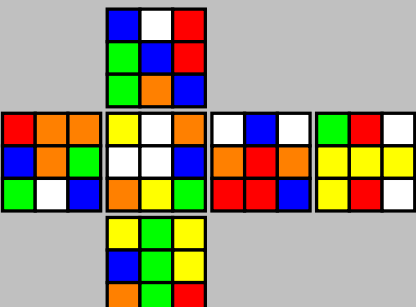
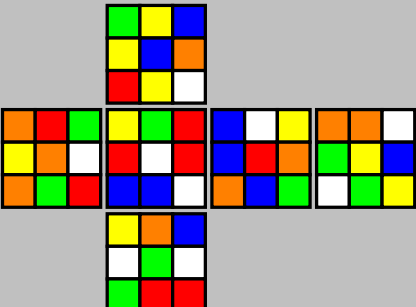
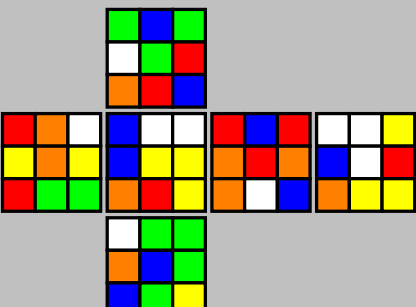
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2.	F D2 B2 L2 R2 B' D2 B2 R2 B2 L2 D R' U B' L' B2 L F' L'	
3.	U2 L2 B' F2 L2 R2 U2 L' D2 B R' B' F' R2 D L B F	
4.	B2 D' L2 D' R2 U2 R2 B2 L' B F R D R2 F R U B R'	
5.	B2 U2 B2 L2 U2 B' D2 U2 F D R D' B U F L B D2 R' D2	
Extra scrambles		
E1.	D' F'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

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

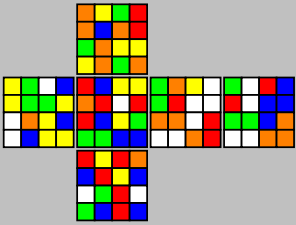
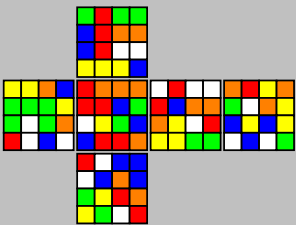
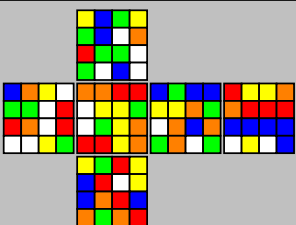
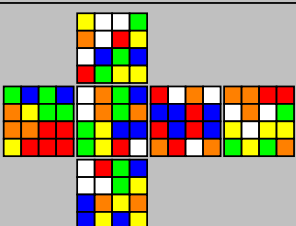
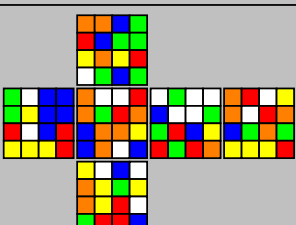
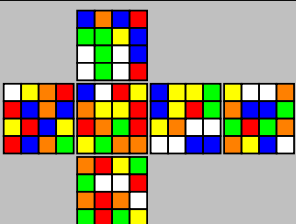
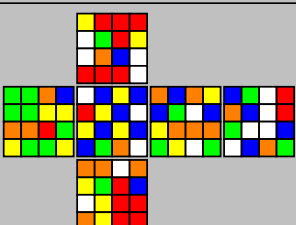
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2.	F' U2 B D2 R2 U2 F' U2 B' D' B L' B2 F L' F' U L D'	
3.	L B2 F2 U2 R U2 R' F R2 D' L2 D' L' D L' F' L U'	
4.	R2 D R F U L' F' R L F U B2 U2 F2 B2 R2 U D B2 U	
5.	F2 U B2 R2 U2 F2 L2 U' F2 U2 R D2 F2 R' D' F' R2 U2 L	
Extra scrambles		
E1.	U B2 L2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

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

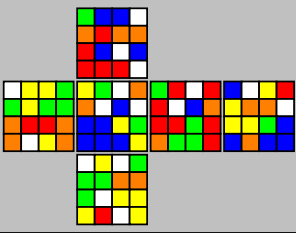
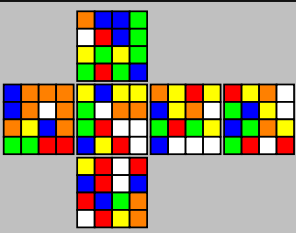
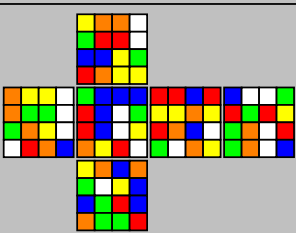
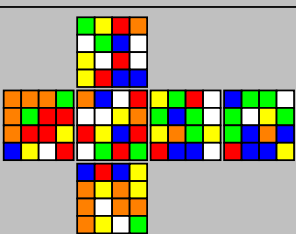
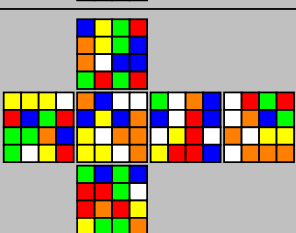
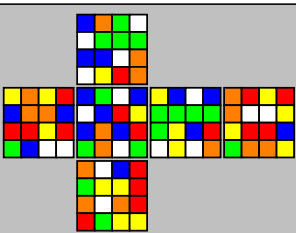
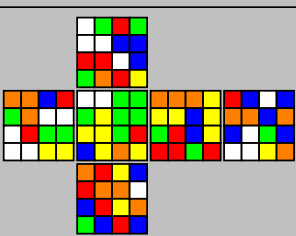
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2.	<p>B2 D2 F2 D R2 B2 U' F2 U' B2 F' L2 F U R D2 L U2 F' R Fw</p>	
3.	<p>D2 R2 D2 U2 R B2 L' R2 B2 F2 D2 B D2 U2 R D' L B2 L2 R' U' Rw' Uw2</p>	
Extra scrambles		
E1.	<p>U2 F U2 F' D2 B2 U2 R2 B2 U2 L' U F L R' F' U2 B2 D R2 Fw</p>	
E2.	<p>F2 D' R2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

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

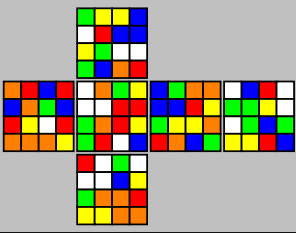
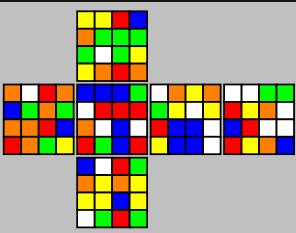
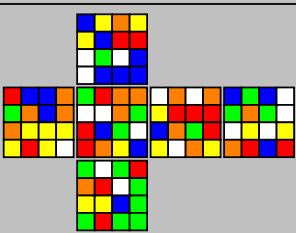
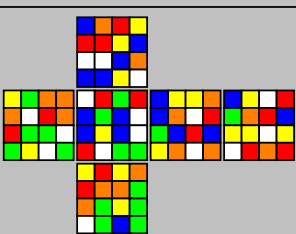
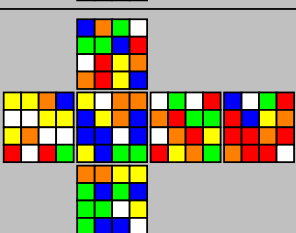
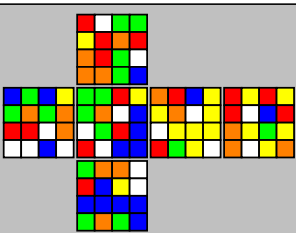
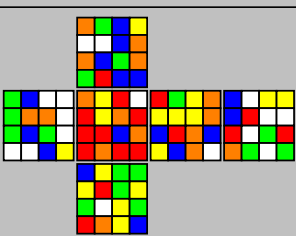
4x4x4 Cube Round 1 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

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

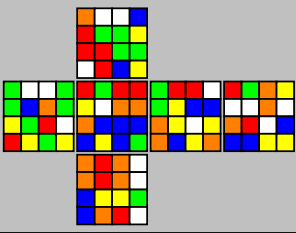
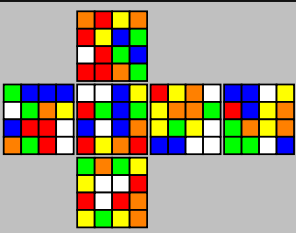
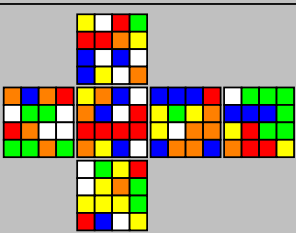
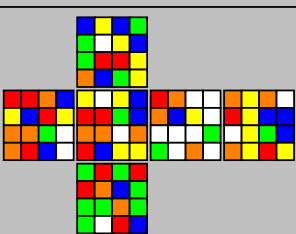
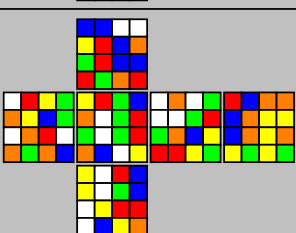
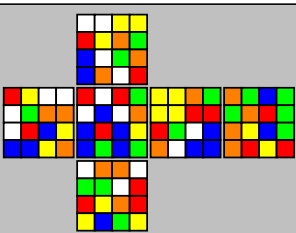
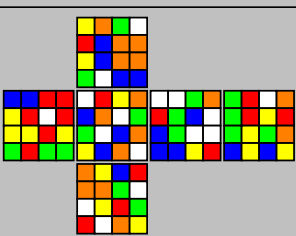
4x4x4 Cube Round 1 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

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

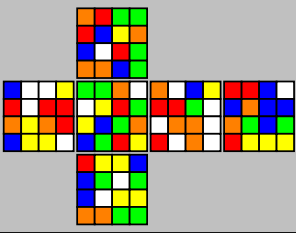
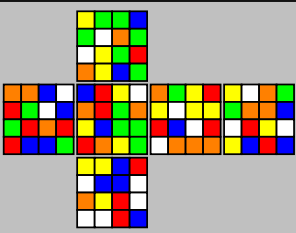
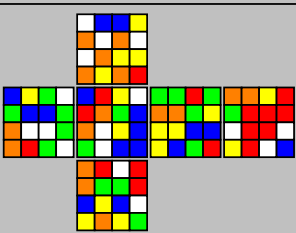
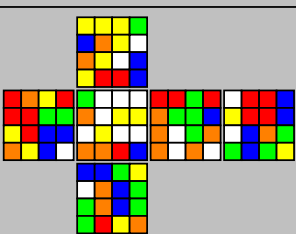
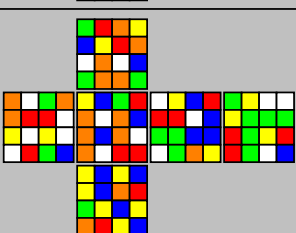
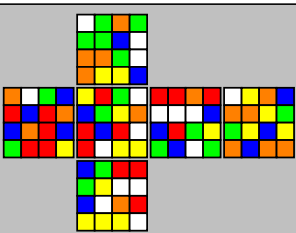
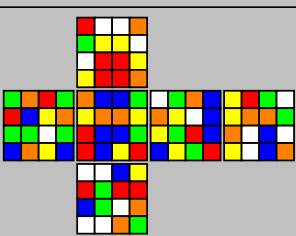
4x4x4 Cube Round 2 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

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

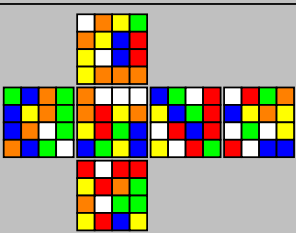
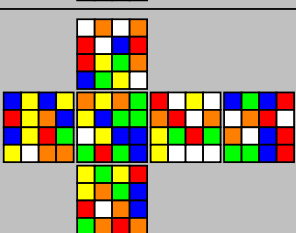
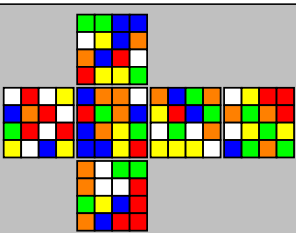
4x4x4 Cube Round 2 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

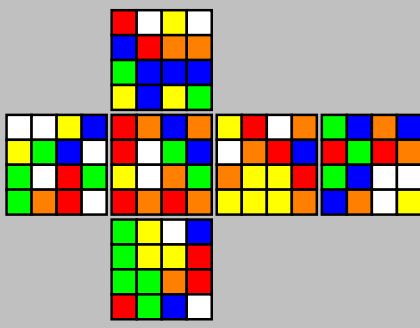
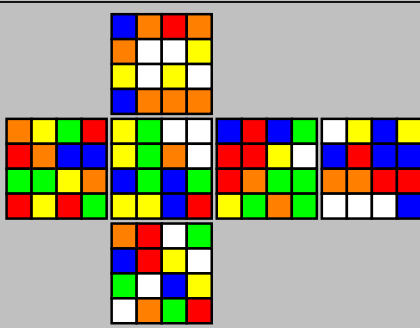
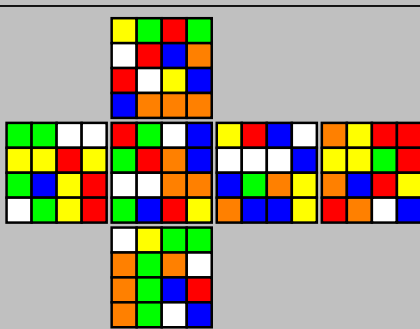
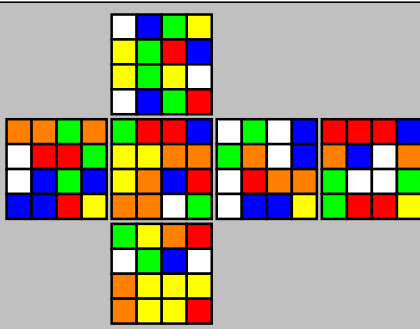
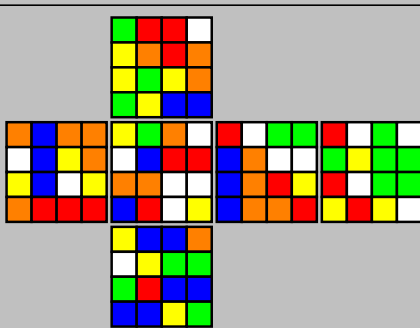
1.	R F2 R2 B2 R B2 D2 L U2 F2 L' U L F' R' U R2 F2 R2 D2 L Fw2 Uw2 B Uw2 L B2 Uw2 R B' R' F2 L2 B' Uw L2 U R D Rw' Uw' B' R' D' Rw2 Fw Uw	
2.	F L2 D2 F L2 D2 B' R2 B2 R2 B' U R F R B' U L D' F2 R2 Rw2 Fw2 L F D2 B2 R Fw2 F2 L F' L' Fw2 Uw B2 D' L Uw2 Fw' Rw2 Fw' Uw' U B F2	
3.	D2 B2 U2 F2 L2 F2 D2 R'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

4x4x4 Cube Round 3 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

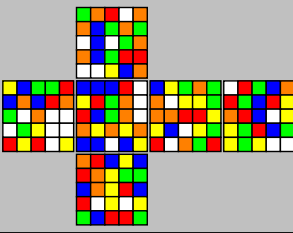
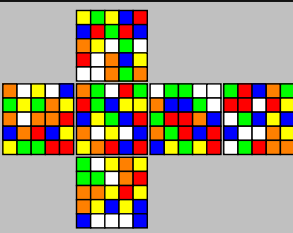
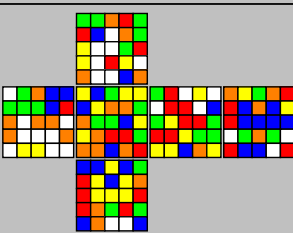
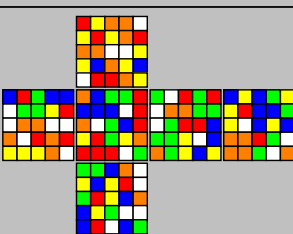
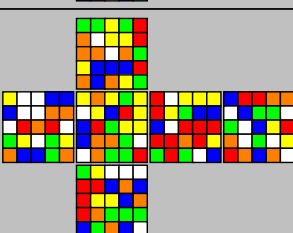
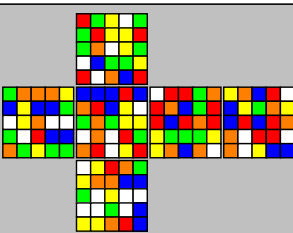
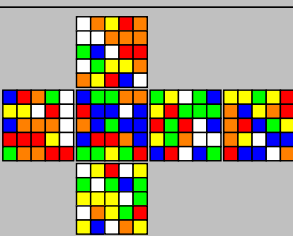
1.	F2 D R2 B2 F2 U L2 D' F2 R2 F2 R' B' F' D2 L F2 L' U2 F' L Rw2 F R2 L' Uw2 F' U2 L' Fw2 D2 R Fw2 R2 U Fw2 Uw' F' D' Rw Uw L2 Uw2 Rw' D' F2	
2.	R2 F U R' F R' D2 B' R U' L2 B' D2 U2 B' D2 F R2 D2 F Rw2 F' D' R2 Fw2 B D' F2 R2 Uw2 U2 Fw2 Rw' B2 Rw R' U' L' F2 Uw Fw' F2 Rw2 Fw2 R	
3.	B L2 F' D2 F R2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

4x4x4 Cube Round 3 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

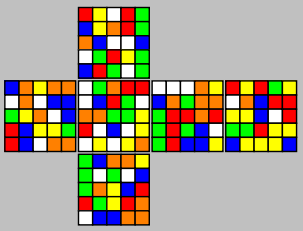
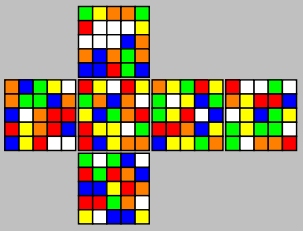
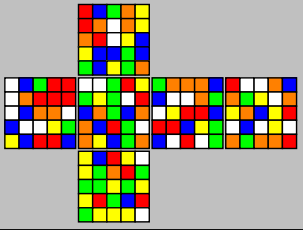
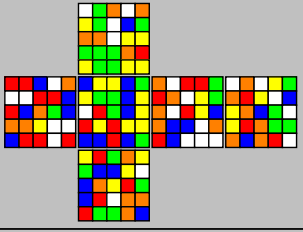
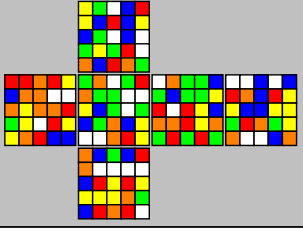
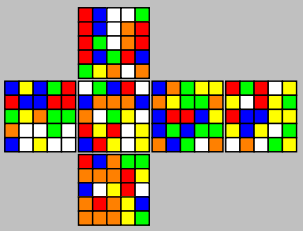
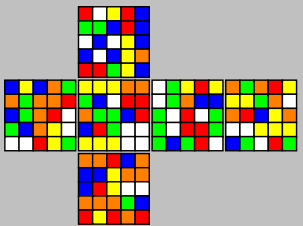
1.	R D B' D2 U R' D2 F2 D' L U2 L2 R2 B' L2 R2 U2 F D2 B2 Uw2 F' Uw2 B R2 Fw2 Rw2 D' U2 F' U Rw2 B Rw U Rw2 R D2 F Uw R2 B2 Uw' L' Fw Uw'	
2.	B2 D L' U2 R2 B2 D F B2 D F2 U2 L2 B2 R2 D2 L2 F R2 B Uw2 F U2 Rw2 D Fw2 F B Uw2 U B' Uw2 B' Rw F2 R2 U' F Fw Uw' Rw2 Fw B' D' Rw U2	
3.	L' U L' D2 F L U' B D2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

1.	<p>L2 D2 F' D2 B' L2 D2 R2 F' R' D B R2 F' L' B' F' U2 F2 L' Fw2 R' B U2 Rw2 F L2 Fw2 Rw2 F2 Uw2 B R Uw' D2 R' Fw2 B Rw2 D' Rw U Fw' F2 Uw D' z</p>	
2.	<p>B2 F' L2 B' D2 L2 F' U2 F' L B U F2 U' R' D' L2 U' L' F Uw2 Rw2 F L D2 Fw2 R' U2 Fw2 R F2 Rw2 Uw2 U' F' Uw' U2 D B Rw' Fw2 D' Rw F2 D' Rw' x2 y'</p>	
3.	<p>R2 D' F2 U' F2 L F R2 U2 R B2 U2 F2 B2 D L2 D F2 R2 D2 Fw2 Rw2 U2 L U Rw2 Uw2 R2 B2 R D2 U' Fw B' U' Rw2 U' R' Fw2 Uw' Rw' F' Rw2 D Fw z</p>	
Extra scrambles		
E1.	<p>R L B2 F R' F2 D R2 U2 F' L' U' R2 U B2 D' R2 D' B2 L2 F2 Fw2 Rw2 U' R L' D' Rw2 U' F2 Uw2 Fw2 Uw2 D B' Uw2 U Fw D Rw' B Uw2 F Uw D2 L2 y'</p>	
E2.	<p>L2 F2 U F2 D F2 L2 U R2 B2 U' L' F L' U R' L2 U B U L2 Fw2 R Uw2 D Rw2 D Fw2 U2 L2 Fw2 U' L' R B' L' Fw' U' L F' Rw' B2 Rw' Uw B R U x' y</p>	

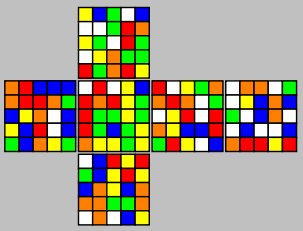
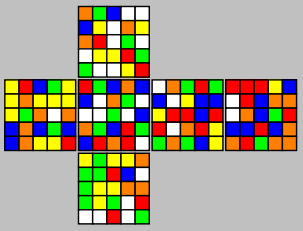
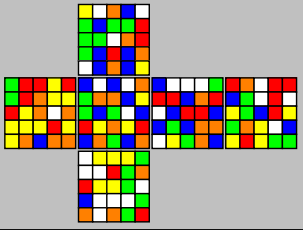
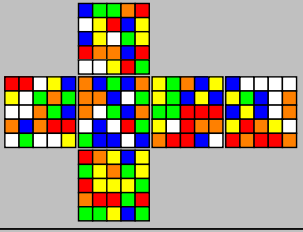
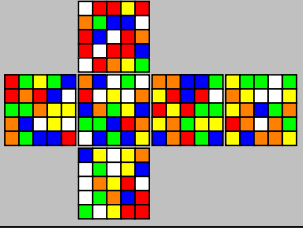
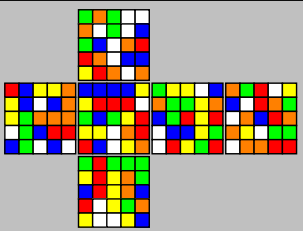
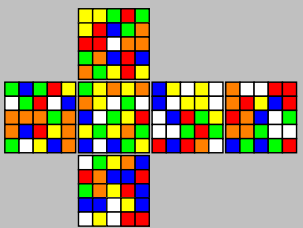
5x5x5 Cube Round 1 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

1.	<p>R' B' Fw' Bw' Dw2 R2 D B Dw' Fw B Uw' B' Bw U Rw2 R2 Dw' Fw L B2 Dw Bw L2 R2 Fw2 R' L2 Dw2 B2 Lw' L' R2 U B' Bw L2 D' Fw2 R2 Dw' R' D' Uw2 B' Uw2 Bw2 Rw2 U' Lw2 D' R L2 Fw2 L' U Fw Lw Fw2 Lw</p>	
2.	<p>F' D' Dw R L' Uw D Fw2 B' Uw2 L' U' B Fw2 F Dw L Fw' Lw Fw R' L2 U2 Lw2 Rw' R Uw' D Bw Uw2 B' Uw' U Rw' Dw' Rw Dw2 Fw2 D2 Lw2 U L' Bw2 Fw2 U B2 Dw2 F' Uw' R Lw2 L' Fw Lw2 Fw' R2 Lw D' Rw L'</p>	
3.	<p>Uw' Fw' D2 Rw2 Uw' Lw' D2 R2 F2 Uw2 Rw L' Dw2 F D L2 U2 Rw2 U' F2 R' Rw2 D' Bw2 R2 L' F' D2 Fw2 Lw L Bw' B2 L' Rw' Fw' R' Uw2 F' Rw' R2 Bw' D2 Bw' R Bw' Fw2 Lw' B F' R' F2 Dw' F Bw Rw' Lw B2 Bw' F2</p>	
4.	<p>Bw F R2 B Uw2 R L2 Dw D U' Lw' Rw D' U2 Rw' R2 L' Bw2 Lw' Rw2 Uw2 Dw' B Dw' R2 Fw U2 R' Lw' Uw' R2 B' Lw' Rw' F Fw' R' U Uw' B Bw D2 Lw Bw2 D2 B Uw' D B2 Bw L' Uw U R Dw' Lw Fw2 Rw' L2 B</p>	
5.	<p>Uw Dw2 F R2 B2 Fw Lw Dw F Fw' Rw2 Lw2 B2 L' Bw L B' Lw2 F B2 R' D2 B' Rw' Dw2 D2 Fw2 B2 R2 L2 F2 B D' L2 U2 Rw R' D U Lw Fw F L F2 Bw2 Uw2 Fw F2 D' R Lw' Dw2 F' Dw F' R U Dw2 R2 Lw</p>	
Extra scrambles		
E1.	<p>R F' D F Bw B Lw' U Rw2 U' L2 Uw' Rw2 U2 Uw2 Dw L' Uw2 Fw2 Rw' L' R2 Lw Fw' Uw2 Bw R F Rw' Fw L B U Dw D2 Uw' R B Rw' Dw D R2 Bw' L2 D U Uw F Rw2 D' R2 Lw' Bw Dw Lw D Bw' L Fw2 U</p>	
E2.	<p>Rw' F' Fw2 Bw2 Rw U Rw2 Fw' B F' Lw Uw D2 Bw2 F' Dw2 Bw' L2 Dw F' Rw2 Bw' Dw B2 Lw Fw' U' Rw' Uw U2 Rw' Uw' Lw' F' U L' Dw Bw L' B' Fw' Rw L Bw B2 Dw' R2 Fw' Uw' L Fw B' L' Rw2 B Rw Dw' B2 Fw2 U2</p>	

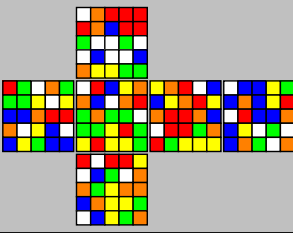
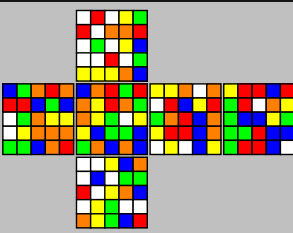
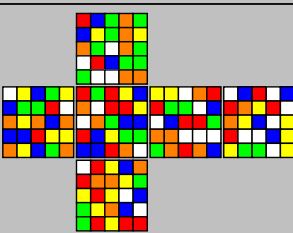
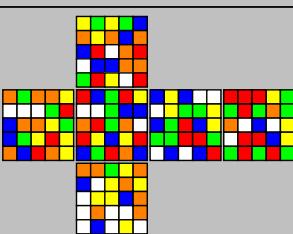
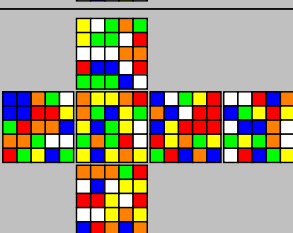
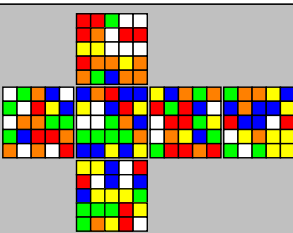
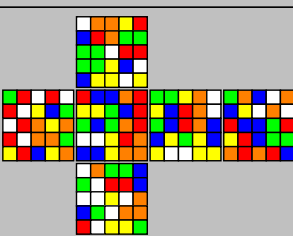
5x5x5 Cube Round 1 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

1.	<p>Lw Uw' Fw2 B Dw2 Bw' D' Rw2 B R2 Fw' B Bw' L' D2 U2 B' Fw2 Rw2 U2 R2 B Dw' Lw' Fw2 Dw' Bw B2 Lw' Uw L Fw' Dw D' L Rw2 Dw2 Rw' U2 Uw2 D R2 Rw2 U' Uw2 F' U2 Fw' D2 F' Rw' F L B R2 Bw R U Uw Lw'</p>	
2.	<p>Bw' U L2 Fw' Rw' Lw' B2 Rw Bw2 Rw' B' U2 Dw R B' Fw' Bw D2 Fw' B' D Lw2 Bw' Lw' F' Fw' R' B Bw' F R D2 U' Bw' U' Dw' L' Dw Lw D2 B2 Dw Bw Uw' Lw' Rw2 B2 F Bw' Uw' D F2 R' Bw' Fw2 R Dw2 Rw' U' Fw'</p>	
3.	<p>Bw Rw F U B' Fw U2 Lw' B' L Bw' Fw2 Lw' Dw2 Lw' Dw2 Uw' Fw Lw' D' Dw2 Fw2 Bw2 Uw Dw2 L2 B' D F Uw2 Lw2 F Lw' L' Bw R' Rw2 D F' L' B R' Fw2 B R' B Dw U Bw F2 Fw' U' Rw F' Bw2 Lw B2 Rw U Bw2</p>	
4.	<p>Fw L U2 Bw D2 F' B' Rw U' D' B' Rw' L Fw' F Dw Lw' Bw' Lw Bw' Rw Bw' B L R Uw B2 L' Uw' Bw' R' Fw' Rw2 Fw' Rw2 F B Lw' Uw L' R' Rw' Dw Uw' Bw R2 Lw Uw' U Lw' U L F' Dw2 R' B Bw' D' U2 B2</p>	
5.	<p>L' Bw2 D R' Bw' F B' Fw' Uw2 L' U' Lw D U2 Fw' U' D2 Dw2 B2 Lw2 Dw2 L2 Bw2 L2 Rw' Lw Bw D' Dw Lw' Bw F2 U L' U' Fw2 Rw2 Lw2 D2 Lw' R U' Lw' B' D Fw2 D2 L Lw' Bw Uw B2 D' Fw2 D' L' U2 Dw2 D R2</p>	
Extra scrambles		
E1.	<p>Dw2 F Fw' Rw' B' F2 Uw' U2 Bw2 Lw2 F2 R2 Rw' U D' Bw2 B Dw' Bw Dw2 F L2 F2 Rw' R' F' Fw B Uw B Fw' Rw2 Bw D' Uw Rw' Dw Fw Rw Uw F Uw2 F' D2 Lw F R2 Lw2 Bw' D' R Uw2 Rw2 R2 U2 Fw Rw U' L2 U</p>	
E2.	<p>R' Fw2 R Lw' B Bw2 Dw2 Rw Dw' U2 L' Fw' B2 Dw' Lw' F Dw2 Rw D2 L' U2 Uw' B' Dw2 F' Bw2 Lw Fw2 Rw' L Dw2 Uw' Rw2 U' Rw2 R Bw' R2 Bw B2 R' Dw' Rw R Lw2 Uw Lw F' Fw U2 Dw2 R B2 Rw' Bw2 U Fw Lw U Rw</p>	

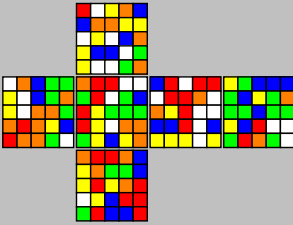
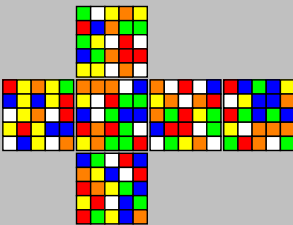
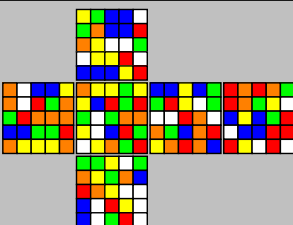
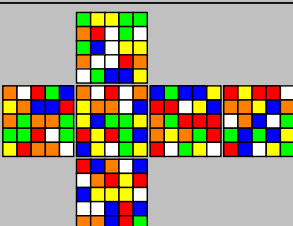
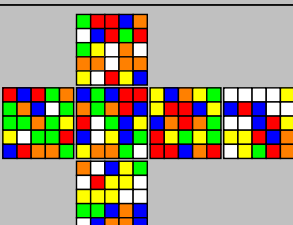
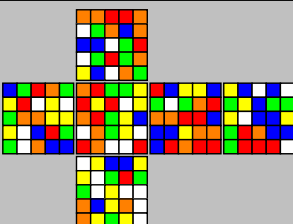
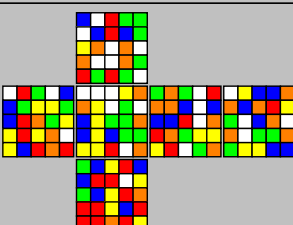
5x5x5 Cube Round 2 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

1.	<p>Rw Bw Lw2 Uw2 D' B2 Rw' U2 D' Fw' Lw' B' Rw Dw' F2 U D' Uw Dw L' R Rw' Fw2 R' U R Bw Fw' B R2 L Lw' Bw' F2 Lw B2 Fw2 U2 Fw2 Dw' R2 Rw2 Lw D' Dw R' Dw' L' D' Lw' Uw2 Lw' Uw Lw' Bw' Uw2 Lw2 U L' Uw</p>	
2.	<p>L2 B Uw' L2 Uw' Bw2 Fw' B Rw2 Fw' L' U2 Uw' L Bw2 U2 Lw D' B2 R Fw2 U' B U' R2 Fw D R2 Bw' U' Dw' R2 U2 Rw R' Lw' D' Rw Bw L2 Dw2 Uw2 Bw2 Lw2 Dw2 B Fw' Lw' Bw B' Fw Lw2 Dw2 Uw U Rw L' B' F' R2</p>	
3.	<p>B' Uw' B Fw2 R2 L' U D Bw F Uw2 U Dw' F' Lw2 L' B Rw' Bw' D2 L Lw2 B2 F Lw2 Fw2 F R' B' Rw2 Dw2 F2 B' Uw Dw2 Bw' Dw2 R2 Fw D2 Bw Rw Uw' R' D' U' F' Lw U' R2 Fw Rw' B' U2 Rw2 D' B Bw F R2</p>	
4.	<p>B' Rw2 Uw' Dw Rw2 Fw2 Uw B' Lw D2 Lw' L F R B Dw2 Bw' R Lw2 B Uw2 B Uw' L Fw2 R' Rw Lw2 B D' L F Lw2 D' L2 Fw F2 Uw' Rw F Lw Rw' Fw' L F2 Dw2 B2 Dw2 F2 Dw' Bw F' B2 R2 Fw' R' L' U2 Lw' Fw2</p>	
5.	<p>B2 D' R2 Dw' Fw U2 L2 F Rw' L2 Uw' R Uw2 Dw2 U2 L2 Lw D' Dw Rw L2 Dw' Rw2 F' D' B Lw' L Rw Dw2 D' Uw' L2 Bw2 Lw' Dw L' Rw' Bw Dw D U' F Bw2 D Lw' Fw' Uw' D' U B Rw2 F' R L2 Fw2 Lw2 B' F Uw</p>	
Extra scrambles		
E1.	<p>Uw Bw' R U' Bw F2 Dw2 Bw2 Fw2 Uw Bw R' Dw2 L2 Bw2 L' Rw2 Lw2 D2 Fw Uw B' Dw' Rw2 F2 Dw2 Fw2 Lw Uw2 Fw Dw2 D' Fw' Bw' Rw2 B' F' R2 Dw' Fw2 L2 Rw F2 Dw' R' D' L' U Bw Lw' Fw' D' Bw' Uw' D Dw' B Lw2 B2 R2</p>	
E2.	<p>Bw2 B Lw2 Dw D' Rw R' F Dw' Lw2 Dw Bw D2 L D' B2 R' Lw2 Fw' Bw2 D' Rw2 Lw B' U' Fw' B Dw Lw Bw' D2 B' R Lw2 F Fw L2 R B Dw D2 F' B2 Rw2 Dw' Fw' Bw' U Uw' Lw' Fw' Dw F2 L Bw Uw Bw Dw2 R2 Dw2</p>	

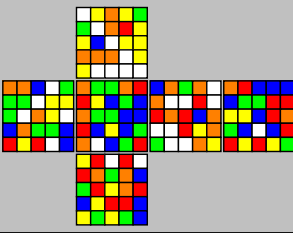
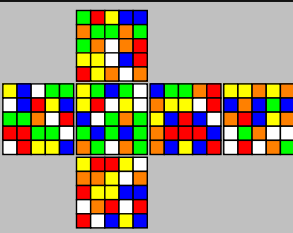
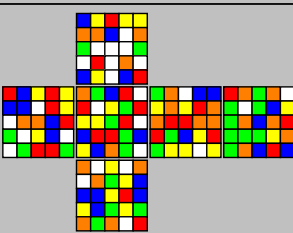
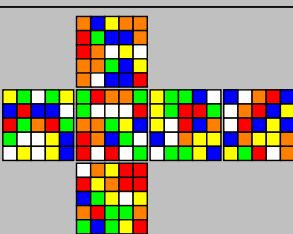
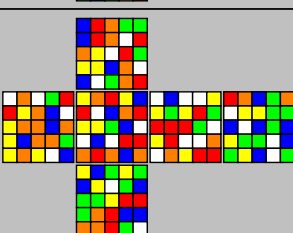
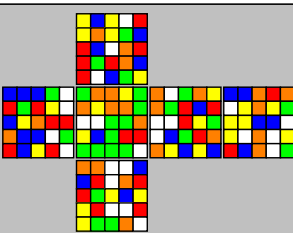
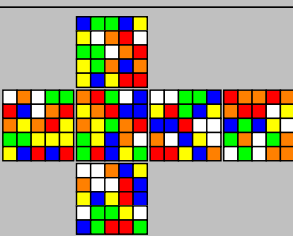
5x5x5 Cube Round 2 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

1.	U2 R Lw' Uw Dw U' B2 D Uw' B' Bw' F Rw' D' Uw' Lw Dw' R' Lw2 Fw R2 B' D' F2 Dw' D U2 Lw' F2 B2 Lw2 Fw' Lw' F' R Uw F D' F2 Rw2 L' U2 L2 Bw2 D' Bw Uw' D' Lw2 U' D' Dw2 B' F2 Uw2 Bw' F2 R' Uw' D2	
2.	Dw' B2 R2 Dw' Rw Bw2 Rw Uw' Dw2 R F' Lw' R F' Uw2 U L' R2 U' F' Fw' Lw' L2 B2 L Rw' Bw2 D' B2 U' Dw B Lw2 Fw' Uw' F' Bw' Rw Fw Lw' B' R' U Rw2 F Rw' B2 Fw' D2 F' D2 U Fw2 Bw' Lw2 U Bw2 Lw Fw' L'	
3.	D' Bw Fw2 Lw D2 F Rw' R Fw U2 Uw' Dw' D2 Rw' L2 Bw' B2 Fw2 L' Lw2 Bw2 Fw Lw F2 Lw Uw' F2 Bw2 R' B2 L R Rw' Dw' L' Bw Rw Lw2 F Bw' Rw' Fw2 Bw L2 Uw' L2 U' Uw2 Dw' Bw F D' Rw2 L' Uw2 Dw2 Bw' L2 Dw2 B'	
4.	Fw F L Fw Dw L' B2 Dw2 L2 R Bw2 R2 Uw' R U2 L' Fw2 D2 Fw2 Lw' Bw L2 B2 L' F Uw U' Rw2 Lw2 Bw' Dw' D2 U2 Fw' F R Fw2 Bw R2 B Dw Fw2 D2 Bw Rw2 R F L' F2 Lw' B2 Dw2 Lw2 D' Uw2 Bw' L Bw Uw D'	
5.	D' Uw Fw Lw' F' B' Rw' U' Rw U2 Uw B L2 R Rw2 B Rw' U Bw R2 B2 Fw' F2 Dw' Lw D R D' Rw2 L' Lw' U Dw2 R' Lw B F' R Rw' Uw' U' Rw2 Lw Bw Rw' D' R2 Fw Dw' Bw' L2 D Uw2 U' Bw2 Fw R Dw F Lw	
Extra scrambles		
E1.	Rw' Lw' B Fw2 L2 Lw' D' Lw' B2 Lw' Dw L2 Lw B2 F' U' R2 U' F2 Uw2 Rw F Uw2 U2 Rw2 L B2 Fw' Uw2 L Dw2 Lw2 B F Dw2 Rw L Uw2 R2 Rw2 Fw L Lw2 D' Bw Fw2 Dw2 Rw2 Bw' R2 U Uw R' Bw B' F Uw' R Bw Lw2	
E2.	B2 U' L Bw' Fw R' B D B2 D2 Lw2 B' F U D B' Lw Fw2 Rw Fw2 D2 Bw' L F2 Bw L2 Rw B2 R' Lw' D' B Fw U2 Fw B2 F L Uw2 R' Uw' R' D2 B Rw2 Uw2 L B Fw' R2 Lw2 Bw2 D Bw2 F2 R U' B2 Lw2 R'	

5x5x5 Cube Round 3 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

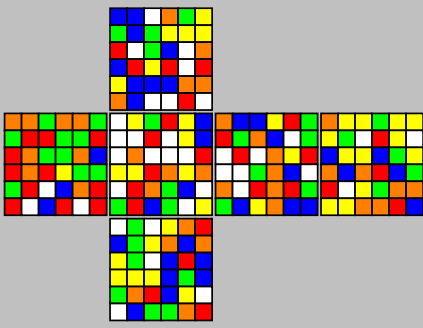
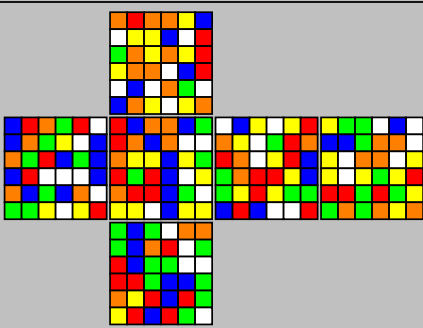
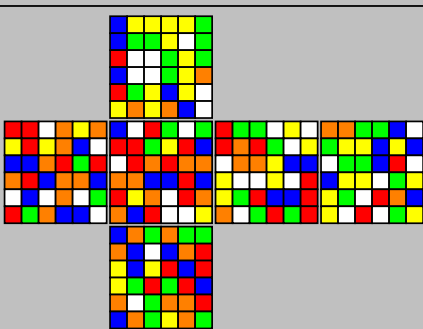
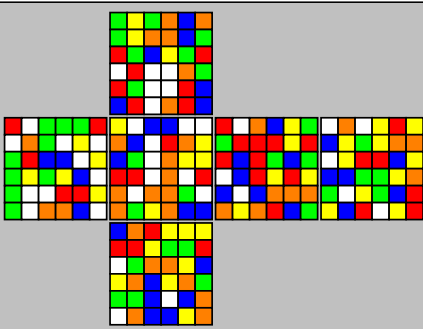
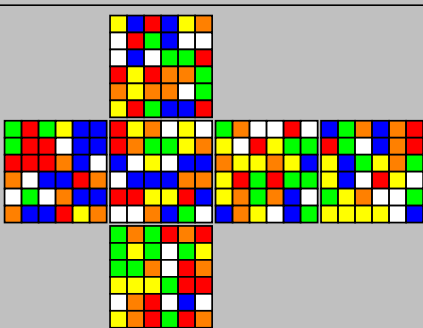
1.	<p>B2 Lw' U Uw Lw' Dw B2 Rw2 U2 Uw' F2 B2 L U Dw2 Uw Rw Dw' B Uw2 B Rw2 Uw' Fw' Bw2 F Dw Lw' L2 Rw2 Fw R Rw Dw Rw2 Lw2 L' U' Fw F2 U F U2 Dw2 Bw2 R2 L' Rw' U2 F' Uw L2 Uw Rw2 B' Bw F Uw' Bw' Rw</p>	
2.	<p>U Rw B' F Rw2 B' L2 F L Dw2 Fw' Uw Lw Bw2 R2 Fw2 Bw' Rw2 L F' U2 B' Uw' Dw' F' D' B Rw' D2 Dw2 R' D Fw Lw2 Dw' F' Bw' Dw D Bw' F' R2 D' U L' R F' U' Dw B2 Dw Rw' F Uw2 R' B' Rw Fw2 B Dw'</p>	
3.	<p>F2 Bw2 Fw2 Rw2 Uw2 Fw' B' Uw' Dw2 R B' F2 Bw2 D2 Dw B Lw2 F2 L R2 Fw2 Lw D' Lw' Bw' L2 Uw D U' F' L Rw2 Lw2 D Bw Uw B' Uw R' Bw2 Rw' U' D' Bw Dw R2 Lw L Dw' L2 Fw' B' D2 Fw Lw2 Bw2 L2 U B2 U2</p>	
4.	<p>L' Dw2 Fw' Rw Lw2 U Lw' Dw R Dw2 Lw' D Uw B' L' Dw Fw2 L' U2 L' Uw' Dw' Bw' D' L D L' U2 D Bw' D2 Fw2 F2 Lw' L Rw B2 Rw2 D2 Dw2 Fw2 U' F' Lw Dw Bw2 Rw L2 Bw' Lw' D' Lw2 F' L U' Rw2 R Fw F2 R2</p>	
5.	<p>R2 L' Rw' Fw2 D' L2 D F Uw2 Bw2 D2 U' B' Fw2 Dw' U Uw2 R' D F2 U D Fw F2 L2 F2 L Dw' D2 Uw Rw U' Dw2 Bw2 Dw' L B2 Rw L Lw Fw2 Rw2 Lw' Fw2 D' R2 Uw' R2 Uw Dw' U' Lw Rw' U' R2 Dw U' Rw R D</p>	
Extra scrambles		
E1.	<p>F B' Fw Bw Dw Uw L R U2 R L' Lw Uw2 Bw2 R Uw' Rw2 R2 Fw Dw2 R2 Dw D' Rw R' Lw' U D2 B2 Dw2 F2 L Fw' F Rw2 L2 Bw' R2 Dw U' B2 Dw' B F Lw Bw L2 Dw F R D' L2 Dw2 R' B' Lw2 R2 Rw Fw2 R</p>	
E2.	<p>Lw Uw' L' Lw2 B2 Bw' Rw2 Dw L2 Dw Fw2 Bw' Uw2 Lw2 D' Fw D' Bw2 B' Rw Lw' L' R' D Fw2 Dw Lw' D L2 B2 F2 Bw2 R2 Uw2 B' R Fw' Dw2 L R2 B U Lw U2 D' Bw Fw2 Uw2 F2 D2 F' Uw' R2 Dw L' Lw2 Dw F2 U B</p>	

5x5x5 Cube Round 3 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

1.	<p>D' Rw F Bw D Dw L2 Rw F2 R' U2 Bw' R2 Uw' Fw' B2 Dw' R' B2 U2 Rw B' Bw Rw Fw F U' F2 Rw Uw U' D R2 Uw2 D2 L D2 Bw' B Fw R F' Bw2 Lw' Rw Bw' R2 F2 U F' R L' Uw2 Bw2 Lw' B Uw B2 Bw2 D</p>	
2.	<p>R Uw' Rw F U D2 Dw2 Lw Uw2 Lw' L2 Uw Lw2 Bw Fw Uw2 Rw2 B2 U L Uw2 F' Rw2 Bw' U' Uw' B2 Dw B2 Bw Fw Lw2 L2 Fw2 Bw Rw' U' R Lw' L Uw2 D2 Dw2 U' R' Fw Lw' Fw' D' B' Fw2 Lw2 Rw2 Fw' R2 B2 U2 Rw2 Bw' Uw</p>	
3.	<p>L' B' U Uw' B Dw2 F2 R' D2 F2 R' Lw2 Rw U' Fw2 Dw Lw2 Uw2 Lw' Uw2 D' R' Dw2 B' D2 Rw2 R' B2 Rw2 Bw2 Uw U2 F' Lw F2 Bw Lw' Rw L B Dw' Lw2 Dw' L' Bw2 Fw D Rw B2 F2 Uw Rw' D' R' Lw2 Bw L' Bw' R2 D'</p>	
4.	<p>Fw D2 U' B2 R' D R' Fw' Dw R' Fw2 F' D' Fw' D' L R2 D2 B' Uw2 F' Dw2 L2 Lw' R Fw D Fw' D' U2 R Uw B R F L' F U2 Uw Fw' D' L B Dw2 F2 R' Rw2 Lw D' R' U2 Bw' Lw2 Fw2 Rw U2 Uw2 D B' Uw2</p>	
5.	<p>Dw' Rw Uw2 F' Lw2 F' B Fw' U' Rw D Rw2 R2 Fw F Lw2 Bw' U2 L Lw' Rw Bw2 U Dw' Uw2 Bw2 Dw D' U2 Fw' Rw2 U Dw B Bw' F' R B F' Fw Rw2 Dw Rw U Dw B' D' Uw U B2 D' R Fw2 D Dw2 Uw2 F2 Uw' Dw' F</p>	
Extra scrambles		
E1.	<p>F' B Lw2 U Lw2 Fw2 Uw2 L' Uw2 U' D F B2 R' L2 Fw Dw2 F D2 F' Uw' B2 Lw2 Fw' Dw' F' Rw' D2 R Rw' Bw Rw B' Fw2 Uw D' Dw' U2 Fw' R2 Uw U Lw Rw Uw2 Dw' L' Bw2 Rw' Fw' Uw Rw' Uw2 R2 Lw2 Fw D' Uw U2 B</p>	
E2.	<p>Lw' F' U2 D Uw L2 Bw Lw Rw Dw' Rw Fw D2 U2 Bw D' Fw2 Uw U2 L' Rw2 Fw' R' Lw Fw' R2 Uw Dw' Lw R Bw F Rw' Lw U Dw R2 L' Bw F L Rw' B' Fw F2 Dw2 Lw' R2 Rw Uw2 R' L' Dw D2 U2 L2 U F' Bw2 U2</p>	

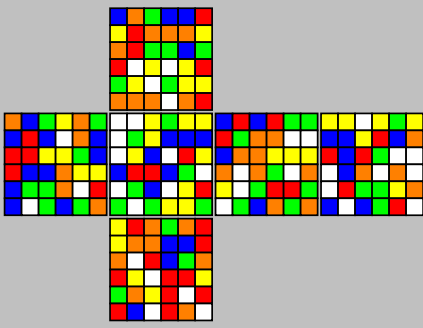
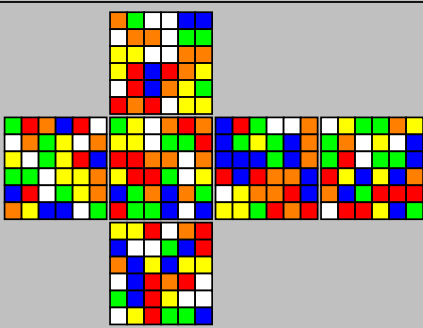
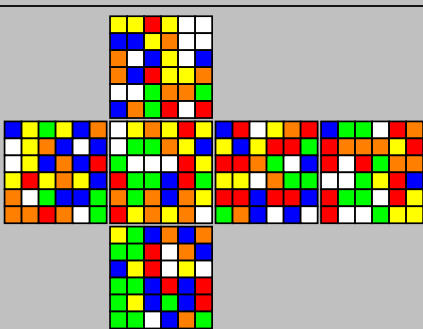
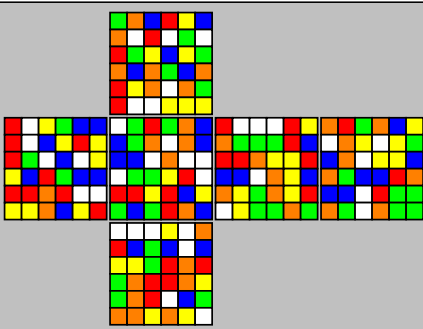
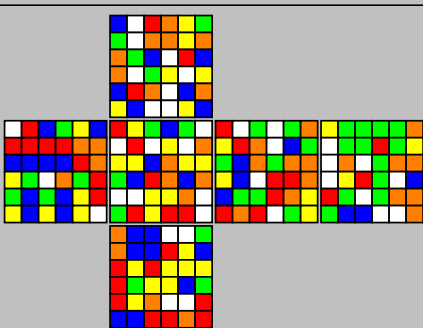
2019-06-05

6x6x6 Cube Round 1 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

1.	R 3Uw2 3Rw Rw' Lw' Bw Rw' 3Fw2 F2 R B2 F Bw2 3Fw' 3Rw' Fw Bw' U' 3Rw B2 R2 Lw Dw Bw F' 3Rw Rw2 U Dw2 Lw2 3Rw' R2 D2 Uw' U' 3Rw2 Uw' 3Rw 3Fw2 Rw' Fw' Rw 3Fw L' Dw L' Dw Bw B' R' Bw2 Dw2 3Rw U 3Rw2 Uw2 3Uw U' R Lw' U' 3Fw' Fw 3Rw2 3Uw' B' L Lw2 Fw' Rw2 Fw' Dw' F' 3Fw' B2 3Uw' F' 3Rw Bw' Rw'	
2.	D' 3Rw Bw F2 U Fw' U2 3Rw Rw' L' R2 Fw2 3Uw R 3Fw2 Rw U Uw2 Lw' D' F' Bw2 L' B R Fw B' Bw Uw' 3Fw2 Uw Dw' Bw2 Dw' Uw 3Rw Dw' 3Fw' 3Rw' U2 Dw 3Rw' Dw 3Fw 3Uw2 3Rw' Rw' F2 Rw2 B' Fw2 L 3Rw2 Lw2 Dw D2 B' D Dw 3Uw' 3Fw' D Uw2 Dw' U' 3Uw' Bw' F2 3Uw 3Fw' Dw D Bw' Fw Uw2 Bw' 3Uw 3Fw' 3Uw2 3Rw	
3.	F2 Lw Fw2 U2 Dw2 Bw 3Fw Dw' 3Uw' Bw' U L2 Dw' B' 3Rw2 F 3Fw2 B2 R' D' 3Uw Uw' Fw2 B 3Uw' L F2 Dw' R Dw 3Uw U Bw' U2 Bw' 3Rw2 3Uw Dw 3Fw' U 3Uw' Rw' 3Fw' D2 Fw' D' R2 Bw 3Uw U D2 Bw2 L' 3Fw' R Rw Dw2 Bw' F' Fw' L2 B' D 3Fw Fw R' 3Fw' R2 Lw2 Rw' U 3Fw U2 F2 3Fw U 3Fw2 Fw U' Bw2	
Extra scrambles		
E1.	D Lw' 3Fw2 Rw' D2 3Uw2 F' Rw2 U' D R L2 Dw2 L' D Uw2 B2 3Uw' 3Fw Lw' Uw D B' 3Fw Lw 3Fw Uw2 R Rw' Bw U' Dw D2 3Uw' Bw' L' 3Uw' Rw' 3Fw2 R2 3Uw Bw2 F' Lw' L2 B2 Dw2 U2 B2 F' R2 Lw' Dw' L Fw 3Uw2 L 3Uw' 3Fw2 Bw2 Lw Dw F2 L2 3Fw2 U' 3Fw U2 Uw R Lw' D F2 U2 3Rw' Bw' 3Uw' 3Fw2 Fw' 3Rw	
E2.	D2 Uw' 3Uw' U Bw2 3Rw2 Lw Uw2 L2 Uw' Lw2 Dw2 F' Dw2 F2 Fw' Dw2 B2 Lw2 3Uw Dw 3Fw2 Rw' R' Dw2 Uw' R' 3Fw' F2 L D Lw' F' 3Rw U Bw' L' Fw' Rw' Fw 3Rw2 B2 R2 3Rw' F' D 3Fw' L' Lw2 B2 Rw2 Fw Bw' 3Fw' L' 3Rw2 3Uw2 Uw' B' U Fw' F D Dw' Rw2 Fw U 3Uw L2 U' 3Rw2 Fw Rw R' Uw F Dw Fw2 F2 Uw'	

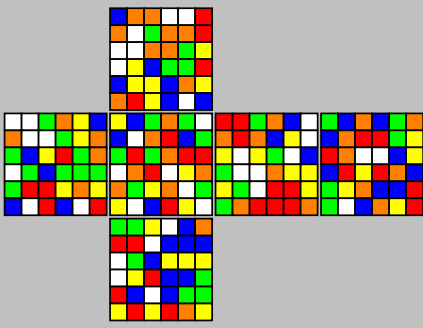
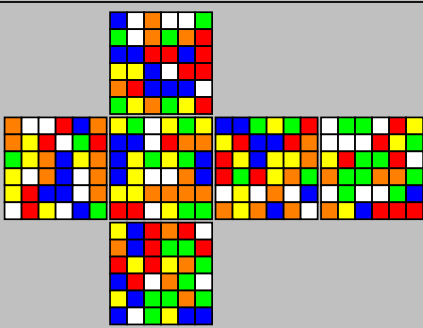
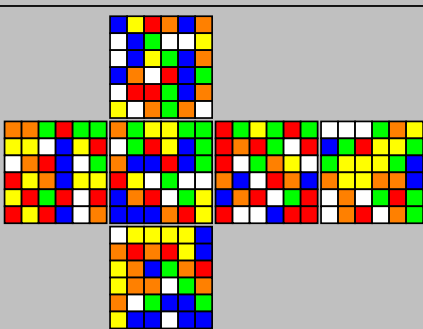
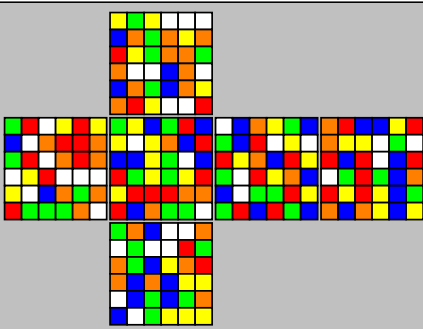
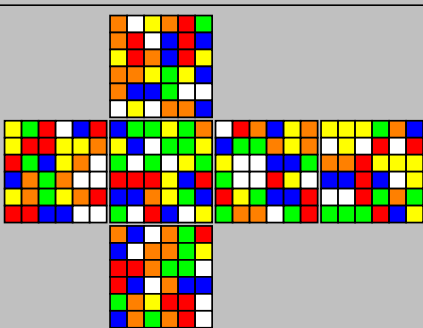
2019-06-05

6x6x6 Cube Round 1 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

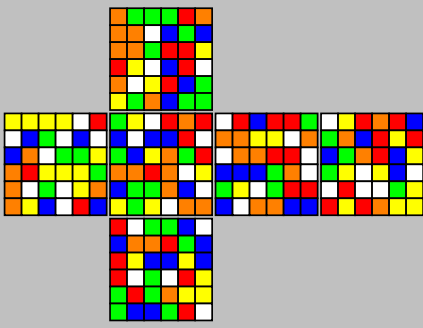
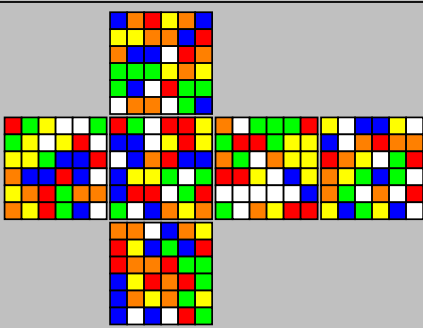
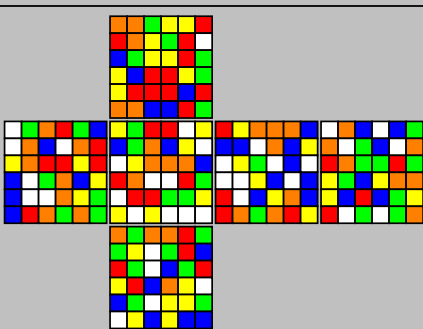
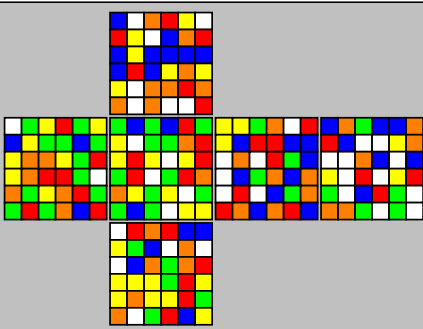
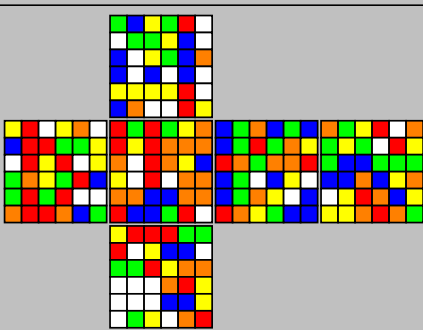
1.	Uw2 Rw2 L' D2 Bw R2 B' U' D' B2 L2 3Fw2 Fw' 3Uw2 3Fw B R' Dw' 3Fw' B2 L' Bw Uw U2 3Fw2 B Dw R Bw' 3Uw Dw' L2 Dw R2 Uw L' F2 U2 L' Fw Dw' 3Fw R2 Lw2 B2 F' Uw2 D2 R2 Lw' 3Fw' U' Bw' Rw' 3Rw' Fw' Dw2 B D 3Uw2 R 3Fw2 Uw' Bw2 Fw2 L2 F2 Fw Bw Lw2 Uw Rw B' 3Uw2 3Fw' Dw2 Lw' 3Uw L2 3Rw2	
2.	Bw2 D2 L2 Lw2 F2 Rw Lw2 Bw' Lw2 F' D2 3Rw R2 U2 3Uw R 3Rw2 U B' F2 L' 3Rw' R2 F 3Fw2 B' 3Rw' Fw' L' Rw2 3Uw' Rw2 L Dw' 3Uw2 D' B2 3Fw' L2 U' Bw' F2 U2 3Uw D2 3Fw' Rw' U Bw2 3Fw2 3Rw' 3Fw' D' Uw2 Fw' R2 Uw2 F2 Fw' D2 Bw Fw 3Uw' B2 D2 Uw' 3Rw Fw' D2 Bw2 3Fw Fw2 B2 F2 Uw' R B' 3Uw D 3Fw	
3.	3Fw Rw' Dw2 U 3Fw 3Uw 3Fw' D 3Fw' L' Fw' Rw 3Uw' U' D Uw Rw2 3Rw' 3Uw2 Fw 3Uw' Bw' L D2 Uw F2 Bw2 Dw2 F2 R' Fw' Bw2 F' 3Uw2 Bw' U2 Lw2 Uw D' L2 R Uw2 Lw' 3Uw' Bw2 3Uw' L 3Fw Bw R 3Fw Bw 3Rw2 Lw Dw' U B2 L F L' Uw' Rw' Fw' L' Fw' Lw2 Rw2 Uw' R' Rw2 Fw2 B2 Dw2 Bw' U' Rw L Bw2 Uw2 Bw'	
Extra scrambles		
E1.	Dw2 3Rw' Fw2 D2 L' Rw2 U2 Dw' 3Uw' Rw' Fw2 Uw2 3Uw D 3Fw U' B Lw2 Dw' Bw Dw 3Uw2 Fw B' Rw2 Lw' F2 Bw' 3Uw' L' 3Uw' Dw2 Uw' Fw' Bw Rw' D2 3Fw Dw D Uw2 3Uw' 3Rw' U 3Uw Uw2 R2 Uw2 R2 L2 Rw Fw Dw' Bw' Fw2 Rw 3Uw Fw Uw2 Rw2 Uw Bw2 R2 3Fw 3Uw2 F2 Uw R 3Fw2 B2 Dw' Uw' U2 L2 3Fw F 3Rw F Dw' Fw'	
E2.	Fw Lw Rw2 F2 Dw' 3Fw' D2 Rw2 D Fw Dw' R' Lw' D Dw Uw2 Bw' Lw F2 3Fw' Lw' R' 3Rw Rw' D' Bw' Lw' Uw L Bw2 Rw2 F U' B 3Uw2 R' 3Fw2 Uw2 3Uw' Rw2 3Uw2 3Rw Lw' L B' R 3Fw' Uw' Bw2 Lw B' Lw2 F' D2 Fw' B2 3Rw Uw2 Rw Dw' F2 L2 F2 Dw2 Fw 3Uw' L' 3Fw Uw Lw Fw Lw' Uw Fw R' Bw2 Fw Dw' 3Rw2 3Fw2	

2019-06-05

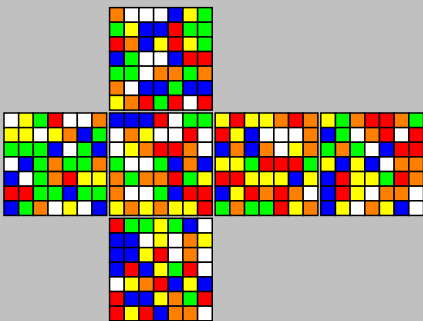
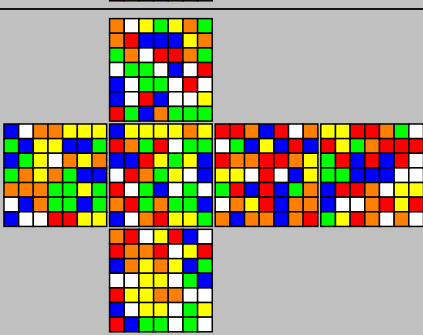
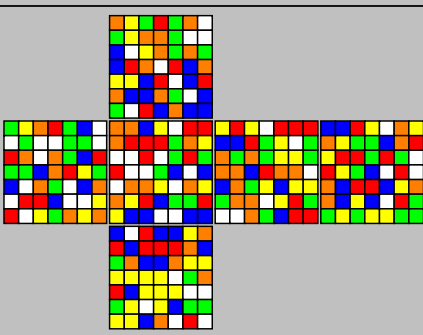
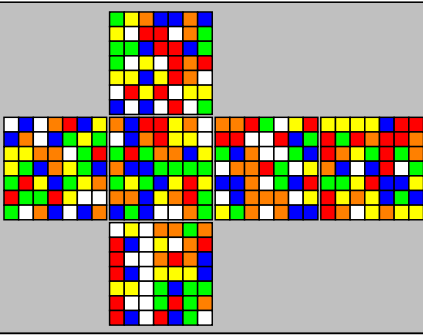
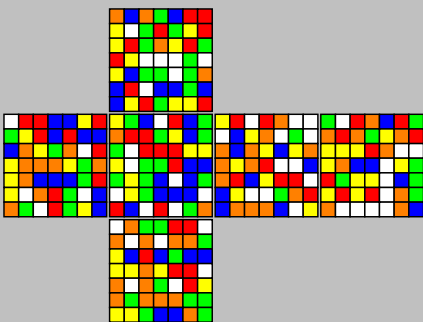
6x6x6 Cube Round 2 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

1.	3Uw R2 F' Dw2 Lw Dw' Lw' B' Lw' 3Fw' 3Uw' Fw2 Bw2 D2 L2 Rw2 Uw' 3Uw' U' R Bw2 L' R2 3Rw2 Uw L2 Bw 3Uw 3Fw2 R' 3Rw' Uw2 Dw2 3Uw' 3Rw2 Lw' Bw' 3Fw2 D U' Lw2 3Fw Lw2 R2 Uw B 3Fw' Bw2 Fw2 D' Lw2 U B' F2 D U' Bw' R2 Bw' 3Rw2 R' U' Bw' L' 3Rw2 Bw Rw' L' Dw' L Fw' Bw2 D2 Fw2 B2 R B' D2 Uw' 3Uw	
2.	Uw' Dw2 3Fw2 Bw 3Uw' 3Fw' B R 3Fw' Rw' 3Rw2 3Uw2 Bw' F Uw F' Bw2 3Rw R Fw2 3Uw B F R 3Fw' Bw2 L' 3Uw Bw' Lw' Bw Lw2 R' 3Rw' 3Fw2 Rw2 Dw' R' Rw' F' U Bw2 L2 B 3Uw 3Fw L' D2 U' Uw2 Fw Rw' Dw2 R L' 3Fw2 Rw2 Bw Fw' Rw Uw F2 L' F Bw2 Rw' B2 Dw' Uw2 Rw Fw R Fw' U2 Fw' B2 F' Bw2 U' Rw	
3.	3Uw' Lw' F2 D F 3Fw R2 Uw 3Rw2 D U' 3Rw2 L Bw U2 L' D U' B2 D' R' F 3Uw Dw' R' Uw F2 L' 3Rw2 3Fw2 Rw' Bw2 R Bw' F2 D' R' 3Uw' U2 L' R' 3Rw2 Fw Rw2 Fw Lw' Dw' R' Rw' 3Rw2 Lw U2 3Fw2 3Rw 3Fw' Lw L D' Rw2 Uw' Lw' Bw' B D' U' Dw2 Fw2 D' Fw2 3Uw' Uw 3Rw' Uw' R' B' 3Fw' Rw' F2 3Rw R'	
Extra scrambles		
E1.	L2 R Lw2 Dw' Fw2 R F' Fw' 3Fw' 3Uw B Bw' 3Uw L' Lw F2 D2 B F U2 Fw2 L R F2 Uw2 L' 3Uw F2 U L Dw2 3Uw 3Rw' B' Dw2 R2 L2 3Fw U B' Fw Dw2 B Fw D' Rw 3Uw D R 3Uw2 3Fw Uw' R' 3Uw Dw' B 3Fw R 3Uw' L' 3Uw R' B Dw' R2 Rw2 F' D' F2 Uw2 3Rw L' R 3Fw2 L2 F Bw' D Fw' 3Fw	
E2.	U2 3Rw B2 L 3Rw Rw Uw 3Fw2 Fw' Dw U2 R' U Fw B2 F' L Fw' 3Fw2 L D' B2 D2 L Dw B2 3Fw 3Uw' Fw' 3Rw2 Rw Bw Rw2 3Fw' Lw2 Dw2 Uw' 3Rw L2 3Uw' U' D2 L2 D Rw' R Lw' 3Rw' 3Uw2 Dw 3Fw2 Fw F2 B2 3Uw2 Uw' Dw2 Bw' U Fw Rw L2 Uw Fw2 Lw2 Bw' 3Fw Fw' U' Dw' L2 Uw Lw Bw 3Fw' Dw2 U' F B2 3Rw2	

6x6x6 Cube Round 2 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

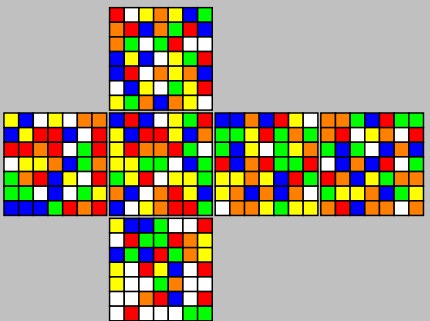
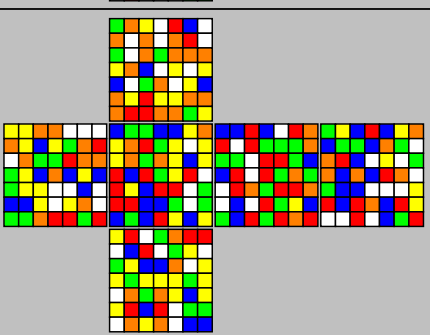
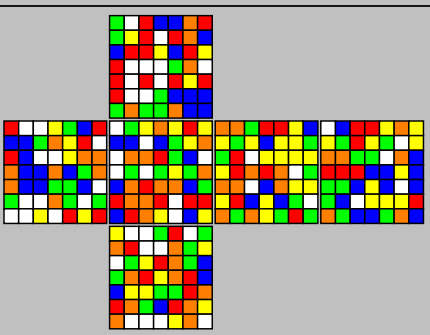
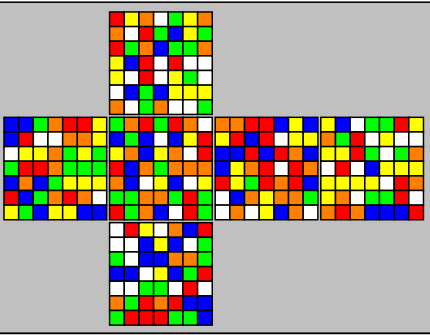
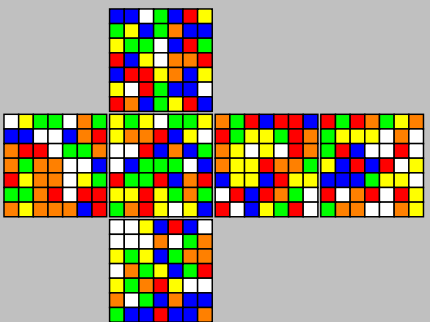
1.	<p>U2 Dw B' R' Rw' F' D2 Uw Dw2 U2 3Fw' 3Uw' Rw2 Fw2 3Uw2 3Fw2 B2 Dw 3Rw Rw U' Lw Dw2 3Rw Bw' L2 Fw' D2 L B2 Rw' Uw' U L 3Fw' Rw 3Fw2 Lw' R2 Uw U 3Rw 3Fw2 R 3Fw' Dw 3Uw Bw2 Rw2 3Rw2 Dw D Rw 3Rw' R2 3Fw Fw2 Uw2 Dw2 L2 3Uw' 3Rw2 F U 3Rw2 D' R2 3Uw2 B L2 3Rw' Lw2 Rw Fw R' 3Fw Bw2 D2 F2 U2</p>	
2.	<p>R2 D B U2 B2 R' Dw' Lw 3Rw' U' Lw' Dw' Rw B2 F D' R' F 3Uw2 B2 Dw' D2 Rw2 D2 Lw F Rw' Bw' B2 Lw' Bw' 3Rw Fw2 3Uw 3Rw2 L2 Bw2 Rw' U' 3Rw2 Lw2 U Uw' Rw2 Bw2 Fw2 Uw2 Rw' L' U2 3Uw' B 3Rw 3Uw D Dw Uw' Fw' 3Rw' 3Fw2 F' Dw F D Rw' Bw' B' Rw' D' 3Fw' 3Uw' L B' Rw2 3Rw' L2 Fw2 3Fw F' B'</p>	
3.	<p>Rw2 F' B Dw 3Rw2 3Fw' 3Rw2 Rw' U' 3Rw Dw 3Rw' Uw' L2 Rw' B Fw' 3Rw' Bw R2 Uw Dw2 R' Rw Uw' U2 R' U2 Bw2 Uw2 R2 Bw' Lw2 B2 3Rw' Lw D' Uw Rw Uw' 3Rw 3Fw2 Bw' U2 Dw2 Uw' Lw' 3Rw2 R2 U' F D2 3Uw' Lw2 Dw2 Fw' R' L Lw2 B' F' L2 R2 Lw2 U B2 Uw' Lw2 3Fw2 D2 F' D 3Uw B2 U D2 Rw' 3Rw' B Dw'</p>	
Extra scrambles		
E1.	<p>Bw F' 3Rw' F' Lw' 3Fw2 L' Bw' D U Rw' U2 L R 3Uw2 F Lw Rw' Dw2 L Fw2 Lw2 B2 Uw2 3Uw2 Dw2 Fw2 3Uw' L Bw Dw2 B' L2 R' 3Fw2 Dw2 Lw2 Uw' 3Fw' B F' Fw2 D2 3Fw' 3Rw D Bw 3Uw Dw' Lw Uw 3Uw U2 Fw2 B Rw2 B D B2 F' Fw U Uw2 Dw B F Bw L' 3Rw F' Rw2 U' Fw' 3Uw' L F2 U2 Rw' Lw Dw2</p>	
E2.	<p>Bw' Dw2 Uw F2 D' Rw2 B' Uw' R 3Fw R Lw' D F' 3Uw' U2 R2 L' Lw F2 3Uw B2 R2 Uw' B2 Uw' U' F Bw2 Fw2 3Rw' Dw U2 F 3Rw2 3Fw' 3Rw2 R2 B L2 Fw2 L2 B' U Dw D' R 3Fw2 D2 U Uw Bw2 Dw2 Fw2 3Uw2 Uw Bw' Fw2 L Dw2 D2 R 3Fw' 3Uw' R' Fw2 Uw 3Fw' 3Rw2 Dw B' Lw2 D Uw' U Bw' L Lw2 R Bw2</p>	

7x7x7 Cube Round 1 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

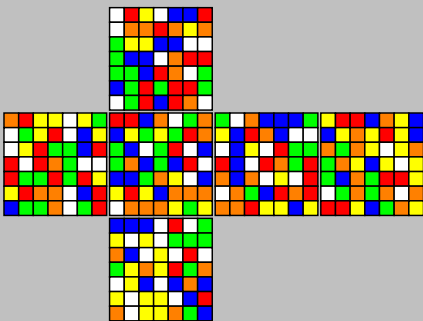
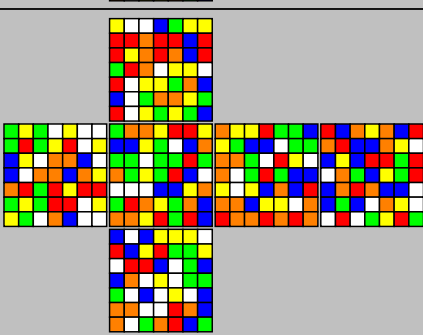
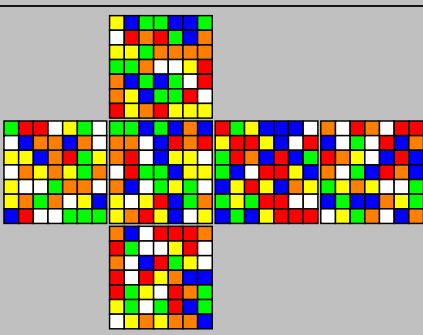
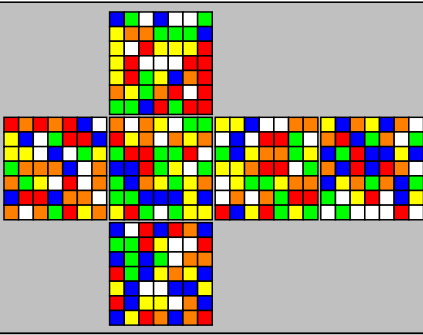
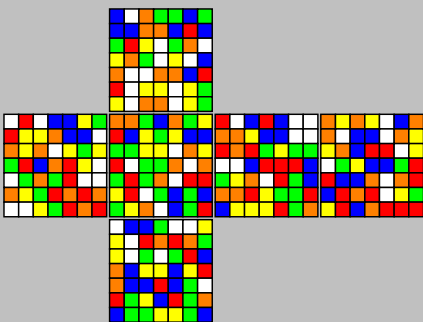
1.	Rw2 Lw Bw 3Lw B' Rw 3Fw2 U Uw' 3Lw2 Rw' Uw' F' Uw' 3Bw' 3Lw2 Dw2 3Dw2 3Uw2 Bw2 B2 Fw2 Dw2 3Fw 3Bw2 3Uw2 B Lw 3Bw2 U L' D Fw F' 3Uw2 Fw2 D' F B R 3Uw' Fw' 3Lw' Dw' B 3Rw' 3Dw U R Fw' F' 3Rw U' 3Lw2 L' 3Dw2 3Lw' 3Uw2 R2 U 3Rw Rw' D 3Bw2 3Fw2 3Lw' Dw L' Bw' Lw Uw2 B' 3Fw2 3Lw' 3Dw Fw Uw' 3Dw 3Fw' Lw 3Uw2 Lw 3Fw2 3Bw2 3Uw2 R F2 Uw2 L' Bw U2 Uw' Lw 3Fw Dw2 3Rw R' 3Fw' U' B	
2.	Fw' 3Dw B2 3Dw' L2 3Bw 3Rw2 R' D Rw2 Lw2 3Dw U F U' 3Fw' R2 3Dw2 3Fw' L2 D' 3Lw' 3Fw Rw' L2 D' L B2 Uw U 3Dw B U' Rw2 3Rw 3Uw Rw' Bw' Uw' Bw' B2 D2 3Bw' Fw Dw Fw D' 3Fw 3Bw R' Lw' Uw2 3Rw U' Rw 3Uw Rw2 3Uw2 R2 D2 3Fw 3Dw 3Lw2 3Uw F 3Dw Dw 3Rw2 F2 3Uw Uw' D Bw' B2 R' Bw Fw 3Uw2 D' Rw2 3Fw' 3Rw2 L' Rw2 Uw' Bw' L 3Rw 3Dw2 3Fw2 F' 3Uw Rw Uw' Dw' Bw 3Uw2 B' D' Dw	
3.	Rw 3Rw' 3Dw2 B' 3Dw' R' Bw F Lw Fw' Lw' 3Uw2 3Dw2 Dw2 3Fw 3Bw F' Dw Rw 3Dw 3Rw' Dw 3Fw2 Dw2 Fw D2 L2 Fw Dw' Uw2 Lw2 U2 B2 Dw2 Rw 3Uw2 R Lw' Fw2 3Lw 3Fw' Dw 3Rw 3Fw2 Lw 3Lw2 3Bw Dw' D 3Uw2 R' 3Uw Lw' 3Uw' Uw' B' Rw2 3Uw' Bw2 F2 D2 3Fw2 B 3Dw' Bw2 3Dw2 F2 Uw 3Lw2 3Dw' Fw' B' L R' D' Uw Dw2 3Fw R2 3Lw2 D2 3Uw2 B F Uw2 3Uw L2 3Rw Rw Dw' F Lw' U' 3Dw' 3Lw2 U2 3Uw2 Rw Uw2 R'	
Extra scrambles		
E1.	Uw' 3Bw Lw Bw Dw' 3Dw' R2 3Lw 3Dw2 U' D2 Lw' D2 3Uw2 3Lw Lw 3Rw Dw Bw2 D' 3Bw R 3Rw 3Bw Lw' 3Fw2 Rw U2 Dw2 3Bw' Fw' L' D U R2 Bw B2 3Uw' Fw U2 R2 L' Bw F' U F 3Fw' Fw 3Lw' 3Dw' Uw2 U' Fw2 3Fw2 R' 3Dw' 3Uw' 3Fw 3Uw Fw' 3Lw' Rw2 Bw2 U D' 3Bw' 3Dw 3Rw D 3Fw2 3Lw F' 3Uw' R Rw' Dw' U' R' 3Fw' 3Rw2 D Uw B' L2 F R2 3Rw' Bw2 3Lw Uw2 3Rw' 3Bw2 B Lw' 3Fw Bw' D' 3Dw U2 3Bw'	
E2.	3Uw Uw2 3Fw' R 3Fw 3Uw' 3Bw2 F2 L2 3Dw2 Lw' Dw' Rw Dw2 3Uw' U' Lw' B2 3Bw Fw2 D2 B D' 3Rw' D2 Rw Dw L B2 L2 3Bw' F' 3Fw' U Lw' R2 3Rw 3Lw 3Fw' Lw' 3Fw2 L2 R Uw 3Dw' 3Fw U2 D' 3Uw 3Dw' R2 D' 3Bw' D F Uw2 3Fw Lw B2 F' 3Bw2 Rw2 Dw' Fw Bw' 3Rw2 Lw2 3Lw' R' F' 3Rw F2 3Bw L 3Fw2 Uw' 3Bw U Fw Uw' U' 3Bw' B' 3Lw Dw2 3Fw' 3Lw2 Fw Uw Bw' B 3Bw' Lw2 3Dw2 Rw' Lw' 3Bw2 R' 3Dw2 U2	

2019-06-05

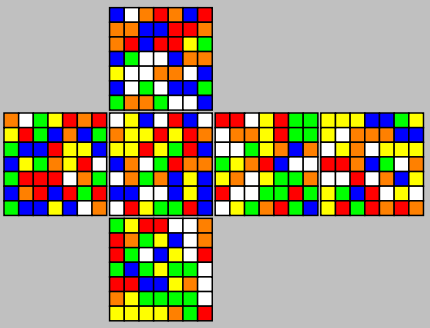
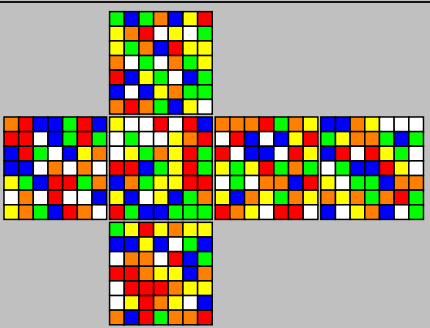
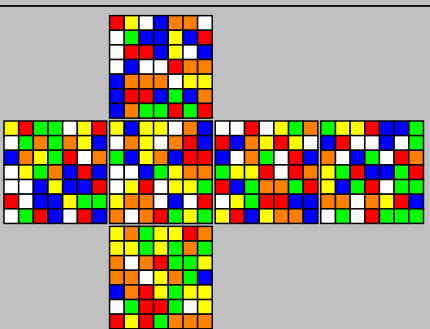
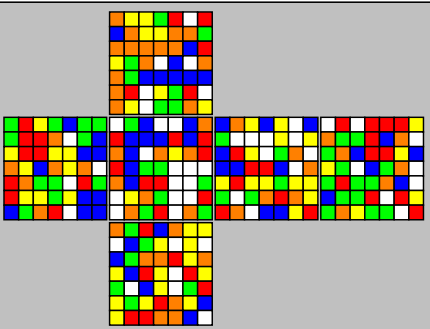
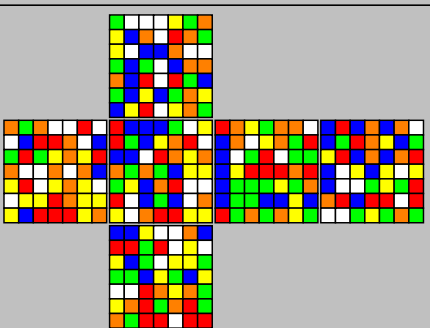
7x7x7 Cube Round 1 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

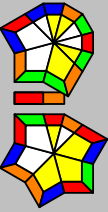
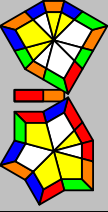
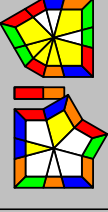
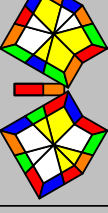
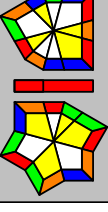

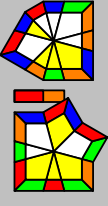
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B	3Dw2	Lw2	Rw'	Fw'	B2	3Bw'	Lw	F	U																																																																																													
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3Fw	D2	B	3Bw2	3Uw	Fw2	Uw	Rw	3Lw2	Fw'																																																																																													
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2.	<table border="1"> <tbody> <tr><td>Dw'</td><td>B</td><td>3Bw2</td><td>D'</td><td>L</td><td>3Uw2</td><td>Rw</td><td>3Rw'</td><td>Uw'</td><td>F2</td></tr> <tr><td>3Lw'</td><td>3Fw2</td><td>Uw2</td><td>Bw</td><td>Lw'</td><td>Rw2</td><td>B</td><td>Dw2</td><td>Fw</td><td>U</td></tr> <tr><td>Bw</td><td>U</td><td>Rw2</td><td>3Fw2</td><td>F2</td><td>3Lw2</td><td>Lw'</td><td>3Rw2</td><td>3Fw'</td><td>R'</td></tr> <tr><td>Rw2</td><td>3Uw'</td><td>U</td><td>3Rw</td><td>Rw2</td><td>Fw2</td><td>B</td><td>3Uw2</td><td>Rw'</td><td>B2</td></tr> <tr><td>Dw2</td><td>B'</td><td>3Dw2</td><td>U</td><td>Dw</td><td>Rw'</td><td>3Fw'</td><td>Bw'</td><td>L</td><td>R2</td></tr> <tr><td>Bw2</td><td>3Fw</td><td>Fw2</td><td>Dw'</td><td>L</td><td>U</td><td>Bw</td><td>3Lw'</td><td>Lw2</td><td>F'</td></tr> <tr><td>3Rw</td><td>Rw</td><td>Lw'</td><td>R'</td><td>D2</td><td>3Fw2</td><td>3Bw2</td><td>Uw2</td><td>Rw2</td><td>Lw2</td></tr> <tr><td>R'</td><td>Uw</td><td>R'</td><td>D2</td><td>3Dw'</td><td>Rw</td><td>Fw</td><td>L'</td><td>3Bw</td><td>Dw</td></tr> <tr><td>3Lw2</td><td>B</td><td>U'</td><td>Bw</td><td>Dw'</td><td>3Bw</td><td>D</td><td>Lw</td><td>3Uw</td><td>D'</td></tr> <tr><td>Bw</td><td>U</td><td>L'</td><td>3Fw</td><td>B</td><td>Uw2</td><td>3Uw'</td><td>Dw</td><td>F2</td><td>3Rw'</td></tr> </tbody> </table>	Dw'	B	3Bw2	D'	L	3Uw2	Rw	3Rw'	Uw'	F2	3Lw'	3Fw2	Uw2	Bw	Lw'	Rw2	B	Dw2	Fw	U	Bw	U	Rw2	3Fw2	F2	3Lw2	Lw'	3Rw2	3Fw'	R'	Rw2	3Uw'	U	3Rw	Rw2	Fw2	B	3Uw2	Rw'	B2	Dw2	B'	3Dw2	U	Dw	Rw'	3Fw'	Bw'	L	R2	Bw2	3Fw	Fw2	Dw'	L	U	Bw	3Lw'	Lw2	F'	3Rw	Rw	Lw'	R'	D2	3Fw2	3Bw2	Uw2	Rw2	Lw2	R'	Uw	R'	D2	3Dw'	Rw	Fw	L'	3Bw	Dw	3Lw2	B	U'	Bw	Dw'	3Bw	D	Lw	3Uw	D'	Bw	U	L'	3Fw	B	Uw2	3Uw'	Dw	F2	3Rw'	
Dw'	B	3Bw2	D'	L	3Uw2	Rw	3Rw'	Uw'	F2																																																																																													
3Lw'	3Fw2	Uw2	Bw	Lw'	Rw2	B	Dw2	Fw	U																																																																																													
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Bw2	3Fw	Fw2	Dw'	L	U	Bw	3Lw'	Lw2	F'																																																																																													
3Rw	Rw	Lw'	R'	D2	3Fw2	3Bw2	Uw2	Rw2	Lw2																																																																																													
R'	Uw	R'	D2	3Dw'	Rw	Fw	L'	3Bw	Dw																																																																																													
3Lw2	B	U'	Bw	Dw'	3Bw	D	Lw	3Uw	D'																																																																																													
Bw	U	L'	3Fw	B	Uw2	3Uw'	Dw	F2	3Rw'																																																																																													
3.	<table border="1"> <tbody> <tr><td>3Uw'</td><td>3Bw'</td><td>3Fw</td><td>Uw2</td><td>3Uw2</td><td>L2</td><td>R</td><td>3Fw2</td><td>Dw</td><td>L'</td></tr> <tr><td>3Bw2</td><td>3Uw2</td><td>3Lw2</td><td>R2</td><td>Dw'</td><td>Lw</td><td>U2</td><td>D2</td><td>L'</td><td>3Rw</td></tr> <tr><td>U'</td><td>3Lw'</td><td>F'</td><td>R'</td><td>Bw'</td><td>3Rw2</td><td>Fw2</td><td>Uw'</td><td>U'</td><td>R2</td></tr> <tr><td>Fw'</td><td>R'</td><td>F</td><td>3Dw</td><td>Uw'</td><td>F'</td><td>Fw2</td><td>Rw2</td><td>3Fw2</td><td>D'</td></tr> <tr><td>Bw</td><td>L'</td><td>U'</td><td>Fw'</td><td>B2</td><td>3Uw</td><td>L</td><td>3Fw</td><td>U'</td><td>F</td></tr> <tr><td>3Lw'</td><td>3Bw</td><td>F2</td><td>3Lw</td><td>R</td><td>3Dw'</td><td>D'</td><td>U'</td><td>Lw</td><td>B2</td></tr> <tr><td>3Bw'</td><td>R'</td><td>Rw</td><td>3Dw</td><td>F'</td><td>3Bw'</td><td>D</td><td>3Dw'</td><td>U'</td><td>3Bw'</td></tr> <tr><td>3Lw</td><td>F'</td><td>3Fw2</td><td>U'</td><td>R2</td><td>Lw'</td><td>3Rw'</td><td>Uw'</td><td>U2</td><td>F2</td></tr> <tr><td>B</td><td>3Uw</td><td>3Fw2</td><td>R</td><td>Dw'</td><td>3Bw2</td><td>3Fw'</td><td>Rw</td><td>3Bw</td><td>F</td></tr> <tr><td>Rw'</td><td>3Fw</td><td>Rw</td><td>U</td><td>R'</td><td>Fw</td><td>F2</td><td>3Bw'</td><td>3Fw'</td><td>Rw'</td></tr> </tbody> </table>	3Uw'	3Bw'	3Fw	Uw2	3Uw2	L2	R	3Fw2	Dw	L'	3Bw2	3Uw2	3Lw2	R2	Dw'	Lw	U2	D2	L'	3Rw	U'	3Lw'	F'	R'	Bw'	3Rw2	Fw2	Uw'	U'	R2	Fw'	R'	F	3Dw	Uw'	F'	Fw2	Rw2	3Fw2	D'	Bw	L'	U'	Fw'	B2	3Uw	L	3Fw	U'	F	3Lw'	3Bw	F2	3Lw	R	3Dw'	D'	U'	Lw	B2	3Bw'	R'	Rw	3Dw	F'	3Bw'	D	3Dw'	U'	3Bw'	3Lw	F'	3Fw2	U'	R2	Lw'	3Rw'	Uw'	U2	F2	B	3Uw	3Fw2	R	Dw'	3Bw2	3Fw'	Rw	3Bw	F	Rw'	3Fw	Rw	U	R'	Fw	F2	3Bw'	3Fw'	Rw'	
3Uw'	3Bw'	3Fw	Uw2	3Uw2	L2	R	3Fw2	Dw	L'																																																																																													
3Bw2	3Uw2	3Lw2	R2	Dw'	Lw	U2	D2	L'	3Rw																																																																																													
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Bw	L'	U'	Fw'	B2	3Uw	L	3Fw	U'	F																																																																																													
3Lw'	3Bw	F2	3Lw	R	3Dw'	D'	U'	Lw	B2																																																																																													
3Bw'	R'	Rw	3Dw	F'	3Bw'	D	3Dw'	U'	3Bw'																																																																																													
3Lw	F'	3Fw2	U'	R2	Lw'	3Rw'	Uw'	U2	F2																																																																																													
B	3Uw	3Fw2	R	Dw'	3Bw2	3Fw'	Rw	3Bw	F																																																																																													
Rw'	3Fw	Rw	U	R'	Fw	F2	3Bw'	3Fw'	Rw'																																																																																													
Extra scrambles																																																																																																						
E1.	<table border="1"> <tbody> <tr><td>3Fw'</td><td>3Rw2</td><td>D2</td><td>Bw</td><td>3Rw</td><td>D</td><td>R2</td><td>3Bw'</td><td>3Uw</td><td>Dw'</td></tr> <tr><td>3Rw'</td><td>Dw</td><td>R'</td><td>D2</td><td>Uw'</td><td>3Lw'</td><td>Bw'</td><td>F'</td><td>B'</td><td>Uw'</td></tr> <tr><td>Rw'</td><td>F</td><td>Lw</td><td>3Dw2</td><td>Rw'</td><td>Fw2</td><td>Lw2</td><td>L'</td><td>Dw'</td><td>B2</td></tr> <tr><td>D</td><td>Uw'</td><td>Fw</td><td>3Fw2</td><td>3Lw2</td><td>B</td><td>3Uw'</td><td>D'</td><td>Dw2</td><td>Uw2</td></tr> <tr><td>3Dw'</td><td>3Lw'</td><td>Bw'</td><td>3Dw'</td><td>R2</td><td>Fw</td><td>Uw</td><td>3Uw'</td><td>3Lw</td><td>Fw2</td></tr> <tr><td>Dw'</td><td>3Lw2</td><td>3Bw'</td><td>Fw</td><td>Rw2</td><td>3Dw</td><td>3Fw</td><td>U'</td><td>Dw2</td><td>3Bw2</td></tr> <tr><td>B'</td><td>Uw'</td><td>Lw'</td><td>Rw'</td><td>3Lw</td><td>F2</td><td>Bw2</td><td>3Fw</td><td>U</td><td>3Lw</td></tr> <tr><td>R2</td><td>Uw2</td><td>L</td><td>U2</td><td>Bw</td><td>3Dw</td><td>D'</td><td>L'</td><td>Bw2</td><td>3Uw'</td></tr> <tr><td>F2</td><td>Bw</td><td>Uw2</td><td>Rw2</td><td>Fw2</td><td>3Rw2</td><td>Bw2</td><td>Rw'</td><td>Fw2</td><td>3Bw</td></tr> <tr><td>Dw2</td><td>3Bw2</td><td>3Fw</td><td>B'</td><td>Dw2</td><td>U</td><td>F'</td><td>Bw'</td><td>3Rw'</td><td>3Fw'</td></tr> </tbody> </table>	3Fw'	3Rw2	D2	Bw	3Rw	D	R2	3Bw'	3Uw	Dw'	3Rw'	Dw	R'	D2	Uw'	3Lw'	Bw'	F'	B'	Uw'	Rw'	F	Lw	3Dw2	Rw'	Fw2	Lw2	L'	Dw'	B2	D	Uw'	Fw	3Fw2	3Lw2	B	3Uw'	D'	Dw2	Uw2	3Dw'	3Lw'	Bw'	3Dw'	R2	Fw	Uw	3Uw'	3Lw	Fw2	Dw'	3Lw2	3Bw'	Fw	Rw2	3Dw	3Fw	U'	Dw2	3Bw2	B'	Uw'	Lw'	Rw'	3Lw	F2	Bw2	3Fw	U	3Lw	R2	Uw2	L	U2	Bw	3Dw	D'	L'	Bw2	3Uw'	F2	Bw	Uw2	Rw2	Fw2	3Rw2	Bw2	Rw'	Fw2	3Bw	Dw2	3Bw2	3Fw	B'	Dw2	U	F'	Bw'	3Rw'	3Fw'	
3Fw'	3Rw2	D2	Bw	3Rw	D	R2	3Bw'	3Uw	Dw'																																																																																													
3Rw'	Dw	R'	D2	Uw'	3Lw'	Bw'	F'	B'	Uw'																																																																																													
Rw'	F	Lw	3Dw2	Rw'	Fw2	Lw2	L'	Dw'	B2																																																																																													
D	Uw'	Fw	3Fw2	3Lw2	B	3Uw'	D'	Dw2	Uw2																																																																																													
3Dw'	3Lw'	Bw'	3Dw'	R2	Fw	Uw	3Uw'	3Lw	Fw2																																																																																													
Dw'	3Lw2	3Bw'	Fw	Rw2	3Dw	3Fw	U'	Dw2	3Bw2																																																																																													
B'	Uw'	Lw'	Rw'	3Lw	F2	Bw2	3Fw	U	3Lw																																																																																													
R2	Uw2	L	U2	Bw	3Dw	D'	L'	Bw2	3Uw'																																																																																													
F2	Bw	Uw2	Rw2	Fw2	3Rw2	Bw2	Rw'	Fw2	3Bw																																																																																													
Dw2	3Bw2	3Fw	B'	Dw2	U	F'	Bw'	3Rw'	3Fw'																																																																																													
E2.	<table border="1"> <tbody> <tr><td>Lw'</td><td>3Bw</td><td>R</td><td>D</td><td>Lw'</td><td>3Dw</td><td>Fw'</td><td>3Bw2</td><td>Bw</td><td>B</td></tr> <tr><td>U'</td><td>L</td><td>Lw'</td><td>Fw</td><td>Lw2</td><td>Fw</td><td>F'</td><td>Bw</td><td>3Dw'</td><td>Uw'</td></tr> <tr><td>Dw2</td><td>Rw'</td><td>Uw2</td><td>3Fw'</td><td>L</td><td>B</td><td>3Uw</td><td>B'</td><td>3Bw2</td><td>U</td></tr> <tr><td>Lw</td><td>R2</td><td>Dw'</td><td>Bw2</td><td>Rw2</td><td>U2</td><td>Uw2</td><td>3Lw</td><td>Fw2</td><td>U2</td></tr> <tr><td>Uw</td><td>Lw</td><td>D'</td><td>3Lw</td><td>3Fw2</td><td>F</td><td>R2</td><td>Dw2</td><td>B2</td><td>Dw</td></tr> <tr><td>3Uw'</td><td>3Dw2</td><td>Uw</td><td>Bw'</td><td>Lw'</td><td>R'</td><td>Bw2</td><td>3Rw</td><td>U2</td><td>F</td></tr> <tr><td>3Fw'</td><td>R'</td><td>3Uw2</td><td>B</td><td>D2</td><td>Bw</td><td>3Bw</td><td>R'</td><td>B2</td><td>L'</td></tr> <tr><td>U2</td><td>R'</td><td>U'</td><td>Uw</td><td>3Uw</td><td>3Fw2</td><td>U'</td><td>3Rw'</td><td>Lw2</td><td>U'</td></tr> <tr><td>Bw2</td><td>Lw2</td><td>3Bw</td><td>U'</td><td>B2</td><td>Lw2</td><td>3Uw</td><td>L'</td><td>3Lw</td><td>U'</td></tr> <tr><td>Dw2</td><td>3Uw</td><td>F2</td><td>Fw'</td><td>Dw</td><td>Lw</td><td>3Uw2</td><td>U'</td><td>Uw2</td><td>D'</td></tr> </tbody> </table>	Lw'	3Bw	R	D	Lw'	3Dw	Fw'	3Bw2	Bw	B	U'	L	Lw'	Fw	Lw2	Fw	F'	Bw	3Dw'	Uw'	Dw2	Rw'	Uw2	3Fw'	L	B	3Uw	B'	3Bw2	U	Lw	R2	Dw'	Bw2	Rw2	U2	Uw2	3Lw	Fw2	U2	Uw	Lw	D'	3Lw	3Fw2	F	R2	Dw2	B2	Dw	3Uw'	3Dw2	Uw	Bw'	Lw'	R'	Bw2	3Rw	U2	F	3Fw'	R'	3Uw2	B	D2	Bw	3Bw	R'	B2	L'	U2	R'	U'	Uw	3Uw	3Fw2	U'	3Rw'	Lw2	U'	Bw2	Lw2	3Bw	U'	B2	Lw2	3Uw	L'	3Lw	U'	Dw2	3Uw	F2	Fw'	Dw	Lw	3Uw2	U'	Uw2	D'	
Lw'	3Bw	R	D	Lw'	3Dw	Fw'	3Bw2	Bw	B																																																																																													
U'	L	Lw'	Fw	Lw2	Fw	F'	Bw	3Dw'	Uw'																																																																																													
Dw2	Rw'	Uw2	3Fw'	L	B	3Uw	B'	3Bw2	U																																																																																													
Lw	R2	Dw'	Bw2	Rw2	U2	Uw2	3Lw	Fw2	U2																																																																																													
Uw	Lw	D'	3Lw	3Fw2	F	R2	Dw2	B2	Dw																																																																																													
3Uw'	3Dw2	Uw	Bw'	Lw'	R'	Bw2	3Rw	U2	F																																																																																													
3Fw'	R'	3Uw2	B	D2	Bw	3Bw	R'	B2	L'																																																																																													
U2	R'	U'	Uw	3Uw	3Fw2	U'	3Rw'	Lw2	U'																																																																																													
Bw2	Lw2	3Bw	U'	B2	Lw2	3Uw	L'	3Lw	U'																																																																																													
Dw2	3Uw	F2	Fw'	Dw	Lw	3Uw2	U'	Uw2	D'																																																																																													


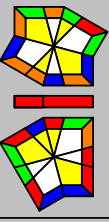
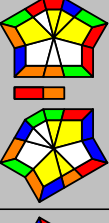
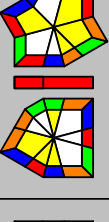

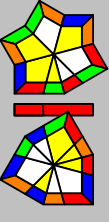

7x7x7 Cube Round 2 Scramble Set A
 Scrambles for Trondheim Parity Open 2019

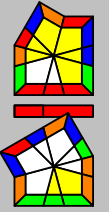

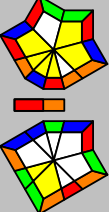
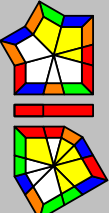


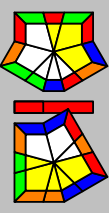
1.	<p>3Dw' Fw F2 3Dw2 Fw Rw2 R F' L2 R2 Fw' F D' 3Bw D' Fw2 3Dw' Bw2 B Fw' 3Rw' Dw 3Lw2 Bw2 R2 3Bw2 Bw' Dw2 3Uw Bw 3Lw R' 3Bw' L' 3Lw2 Uw 3Fw' L' 3Fw Lw' Fw F' Dw2 B' 3Rw B D Uw' 3Fw2 Bw2 R 3Fw2 Bw' U Rw2 Bw D 3Fw 3Rw Rw 3Dw2 Dw' D2 3Fw' Fw' 3Rw B2 3Fw2 F' Fw' 3Rw2 R2 Lw2 Rw 3Fw2 3Lw 3Dw2 Lw2 R2 3Dw2 3Uw Lw L 3Lw2 F D' R2 Dw 3Rw' B' 3Rw 3Dw' Rw' 3Bw2 Fw2 F' 3Dw' Lw2 3Dw' 3Fw</p>	
2.	<p>Rw' Bw Dw D2 3Dw2 3Lw 3Uw' 3Bw U' 3Uw' B' Lw' 3Lw Uw' 3Lw' L B2 3Bw' Lw 3Dw B' Bw Fw' Dw F2 Dw' D2 Uw2 Rw Fw 3Dw R2 D2 Fw' U Dw' 3Lw2 D' 3Bw Uw 3Rw R 3Bw F R2 U' Rw L' U2 Fw2 3Dw' D Rw' B2 3Rw2 Bw' 3Bw D' U R Rw' Fw2 3Bw' 3Rw2 U2 F' D U 3Dw' Rw' 3Rw' 3Lw2 R' Dw' 3Dw Lw F 3Uw' R' F2 Rw2 Lw2 D' L2 3Fw2 3Lw 3Rw2 3Bw2 U' F 3Lw2 B2 Bw 3Fw2 Dw2 R2 Fw2 3Uw Dw Uw'</p>	
3.	<p>3Dw2 Fw R Lw 3Dw2 3Lw' D' 3Fw Dw 3Rw' U2 Lw Fw2 3Fw2 Uw Rw F2 3Fw2 L Rw' Bw D2 U 3Uw' 3Fw' 3Uw Rw B 3Fw L' U2 3Rw2 B2 U2 3Dw' Fw 3Rw2 3Bw2 Lw' U 3Dw B' 3Fw' Bw' Uw D' R2 Dw2 F2 U' B2 3Lw' D' Bw 3Rw Uw2 3Fw2 R L 3Bw' 3Fw 3Lw2 L' Uw 3Fw2 3Lw2 3Dw' Dw2 Lw2 Rw' Bw' L' R2 3Bw 3Fw' D2 Lw R B Lw 3Fw Uw 3Bw D' Fw Dw F' 3Uw' U Fw' 3Rw' 3Uw 3Dw' 3Fw' Lw' U' Uw Fw D 3Bw</p>	
Extra scrambles		
E1.	<p>Rw Uw 3Fw 3Rw U2 3Fw' L Rw 3Rw2 3Dw2 3Fw' 3Dw 3Bw' U' 3Rw F U' F Bw2 Dw2 U 3Fw' Uw2 L 3Fw2 3Lw' 3Rw R2 Dw' D' Uw2 3Dw 3Bw2 3Rw U' Fw' 3Dw' 3Uw Dw' 3Rw' Rw' Dw2 Uw' L2 Dw' L U Rw2 Bw Lw2 Uw 3Fw Fw2 3Dw' 3Uw2 Uw' B F' 3Lw2 Lw' F D2 Uw2 B' F R' D 3Bw' Bw2 Fw' L2 B2 U 3Lw' 3Fw2 F' Lw R' 3Bw B' L' 3Bw Bw' Fw' D2 R' L2 Uw' Fw2 3Rw2 3Bw2 3Uw' F2 3Bw' 3Fw U D' 3Uw Uw Rw</p>	
E2.	<p>3Dw2 Dw2 Lw' 3Rw Bw' Lw' 3Rw' F' 3Lw' Lw 3Fw2 3Bw Dw' 3Bw Fw' L' Fw 3Uw F2 Dw Rw U Bw' 3Lw2 U' 3Dw' Uw2 Rw2 Dw2 3Uw' 3Rw2 3Bw2 B2 Bw2 3Dw' Uw' Rw2 3Lw' L2 3Dw2 3Rw2 L' Lw2 3Bw2 3Dw F 3Rw R Dw2 3Dw U2 3Fw D2 Dw Rw 3Lw' 3Fw Uw2 R' Lw B2 Rw' R B2 3Rw 3Dw' D2 R Rw2 Bw2 3Bw F2 3Uw Bw' U2 D2 F' Lw' 3Lw' B Uw 3Uw 3Dw Fw2 Bw 3Fw2 L Fw 3Bw2 3Rw' Bw' Fw' D 3Uw' F' Uw2 Rw 3Fw 3Lw L'</p>	



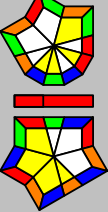
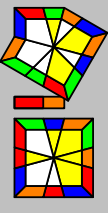
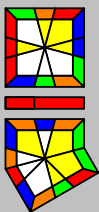
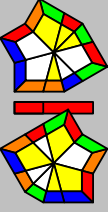
7x7x7 Cube Round 2 Scramble Set B
 Scrambles for Trondheim Parity Open 2019

1.	<p>3Rw2 Bw' 3Lw R2 L2 D2 3Bw' Fw D' Rw Dw' 3Bw2 L 3Rw 3Dw' 3Bw' Lw' Rw2 L' 3Rw2 F2 L 3Rw2 F 3Dw2 3Rw2 Uw D2 L2 3Lw2 3Uw Fw2 L2 3Uw' D 3Bw2 B2 F' D' 3Bw2 3Lw2 3Bw' B2 Bw Rw2 B2 Fw2 3Uw2 R 3Bw' Rw Fw2 3Rw 3Dw' D' L2 3Rw 3Lw2 3Dw' 3Bw' Lw' 3Fw' F Uw2 D2 Dw' B2 Lw L U' Uw 3Bw2 Uw' 3Lw' Bw2 3Bw' 3Uw' 3Bw2 B' Dw' R2 3Rw 3Lw' 3Bw2 3Lw' 3Uw' 3Bw2 3Fw L' 3Fw2 Fw2 U' L Bw2 3Dw Dw U F 3Lw D'</p>	
2.	<p>Lw 3Bw Fw' 3Fw2 Bw 3Lw2 U Uw' Rw' F Fw2 U' Dw Fw2 U' Uw' 3Dw' Lw2 Uw' F2 3Bw' 3Fw' 3Rw F2 L2 D2 3Dw L' Lw' Uw Bw' F' Lw' 3Dw2 3Uw Uw 3Lw Rw 3Rw' F2 3Fw Fw Uw' 3Uw' R2 3Bw' Bw' Uw2 Bw 3Bw Lw2 Bw2 L Dw' U' B' R' 3Bw 3Fw2 R' D B' L Rw 3Lw2 D2 F2 L R' 3Dw' Dw2 Bw' Rw Uw' U' F2 3Rw' 3Fw Fw2 3Bw' Dw R Uw2 3Fw' 3Bw Dw 3Rw' Fw2 3Fw2 B2 L U Dw2 3Uw2 L 3Rw2 3Fw' Bw' F' L</p>	
3.	<p>Uw 3Uw2 U' Fw 3Dw B 3Uw2 Dw Uw' Rw Lw 3Rw Dw Uw' R' Dw2 B2 L 3Dw' Lw R 3Rw U2 3Uw2 3Fw 3Uw' Fw2 L' 3Fw' B' R2 F2 Dw2 D' R 3Rw2 3Uw 3Dw' B 3Lw 3Dw' 3Bw Lw 3Bw2 Fw' L2 U2 3Dw' 3Rw 3Uw 3Lw2 3Bw' Lw2 F' Uw 3Rw U2 3Bw' 3Dw' 3Bw2 L2 3Rw2 3Fw 3Rw2 Uw Rw R Fw Uw2 3Uw2 B2 3Bw2 F' U' L' F' D2 R2 3Uw L2 B2 3Fw2 F2 D2 Dw' Lw2 U F2 Bw 3Fw2 Rw2 Lw D2 Uw' 3Lw2 Bw2 L2 Dw2 L R</p>	
Extra scrambles		
E1.	<p>U L2 3Fw' U 3Dw Lw' 3Rw R2 3Uw2 3Bw2 Rw D 3Uw' L D U R 3Dw2 Rw R' L 3Fw' Dw' 3Bw 3Lw' Dw' 3Lw2 3Fw R 3Uw2 Fw L D' F' Dw R2 Uw' 3Uw R2 F' 3Rw2 Uw F' 3Rw F Fw2 D Fw' R 3Uw L U' 3Dw2 D 3Rw2 Uw2 Dw2 D2 3Lw' 3Uw' 3Dw2 U' Uw' Fw2 Lw' D2 Fw2 3Rw F2 D2 Uw' R U2 3Dw 3Rw2 Fw 3Dw 3Rw L B' U' 3Uw2 R' Lw U2 Bw2 Lw 3Lw R2 F Lw L' D2 Uw U2 3Fw2 D' L Dw L</p>	
E2.	<p>3Dw' 3Lw Fw' U2 3Rw2 Fw' Uw' 3Fw2 R U Lw' L2 B' D 3Rw L' 3Fw' 3Bw2 3Dw 3Rw' Lw2 3Dw' 3Rw U2 Rw' R2 3Uw 3Fw2 Fw 3Dw Dw' Lw' Uw2 3Dw' D2 U R2 U' 3Rw2 B' 3Uw2 Fw' 3Rw' Lw' 3Lw2 Dw2 3Rw' B U2 L Uw' B' 3Bw 3Rw F' 3Rw2 R' 3Lw2 3Bw2 3Rw U2 Dw2 3Fw2 3Bw Fw2 U' 3Uw2 Dw 3Fw2 D2 3Rw2 Dw2 Fw 3Rw F 3Bw 3Fw U R' 3Rw2 F2 L' R2 D Lw2 L Uw2 B2 R Dw' 3Dw' Fw 3Fw D' 3Bw R' 3Uw2 3Dw' B2 3Uw'</p>	

1.	$(0, -4) / (1, -2) / (-3, 0) / (-1, -4) /$ $(3, 0) / (4, -3) / (-3, -3) / (-1, 0) /$ $(-4, 0) / (0, -4) / (2, 0) / (6, 0)$	
2.	$(0, 5) / (-2, -5) / (5, -4) / (-3, 0) /$ $(1, -5) / (3, -4) / (0, -3) / (-1, -2) /$ $(0, -2) / (3, 0) / (3, 0) / (1, 0)$	
3.	$(-5, 0) / (0, 3) / (5, 2) / (-3, 0) /$ $(6, -3) / (4, -5) / (5, 0) / (3, 0) /$ $(-5, 0) / (6, 0) / (-2, -4) / (0, -2)$	
4.	$(0, 5) / (-5, -2) / (-1, 5) / (-3, 0) /$ $(-3, 0) / (0, -3) / (-2, 0) / (3, 0) /$ $(0, -3) / (4, 0) / (3, 0) / (0, -4)$	
5.	$(1, 0) / (2, 5) / (-2, -5) / (-1, -1) /$ $(-3, 0) / (6, 0) / (-2, 0) / (0, -3) /$ $(3, 0) / (0, -4) / (0, -2) / (6, -4) /$ $(5, -2)$	
Extra scrambles		
E1.	$(0, 2) / (1, -5) / (3, -3) / (-3, 0) /$ $(-1, -1) / (-2, 0) / (0, -3) / (3, 0) /$ $(4, 0) / (0, -4) / (2, 0) / (3, -2)$	
E2.	$(0, 5) / (-3, 0) / (-5, -2) / (6, 0) /$ $(-4, -4) / (-3, 0) / (-2, -3) / (0, -3) /$ $(5, -3) / (-2, -5) / (-2, 0) / (-1, 0)$	

1.	$(0, -1) / (3, 0) / (-3, 0) / (1, -5) /$ $(-3, 0) / (0, -1) / (-3, -3) / (1, 0) /$ $(4, 0) / (4, -4) / (-2, -2) / (0, -2)$	
2.	$(-2, 0) / (-3, 0) / (-1, -1) / (-2, -2) /$ $(0, -1) / (-3, 0) / (5, 0) / (-2, 0) /$ $(-4, 0) / (4, 0) / (-2, 0) / (4, 0) /$ $(-3, 0) / (-3, 0) /$	
3.	$(0, 5) / (-5, -2) / (0, 3) / (-4, -1) /$ $(-2, -2) / (2, 0) / (-3, -3) / (-4, -5) /$ $(2, -2) / (2, -2) / (-1, 0) / (6, 0)$	
4.	$(0, -1) / (-3, 0) / (-5, 1) / (3, 0) /$ $(2, -4) / (-3, -2) / (-3, 0) / (0, -3) /$ $(4, 0) / (4, 0) / (0, -4) / (3, -4) /$ $(-4, -2)$	
5.	$(1, 0) / (2, 5) / (1, 4) / (6, -3) /$ $(3, 0) / (2, 0) / (0, -3) / (0, -1) /$ $(1, -4) / (2, 0) / (0, -2) / (1, 0) /$ $(-4, 0)$	
Extra scrambles		
E1.	$(-2, 0) / (-4, 5) / (3, 0) / (-5, -5) /$ $(0, -3) / (-3, 0) / (3, -4) / (-3, -3) /$ $(-3, 0) / (0, -4) / (0, -2) / (4, 0) /$ $(0, -2)$	
E2.	$(0, 5) / (-2, 1) / (6, 0) / (0, -3) /$ $(-3, 0) / (-1, -4) / (-2, 0) / (0, -3) /$ $(-1, 0) / (0, -4) / (-5, 0) / (-2, 0) /$ $(0, -4) / (-4, 0) /$	

1.	$(0, -4) / (-5, -2) / (0, 3) / (-3, 0) /$ $(2, -3) / (3, 0) / (1, 0) / (-4, -4) /$ $(0, -2) / (-2, 0) / (1, 0) / (-4, 0) /$ $(2, -3)$	
2.	$(4, 0) / (0, 3) / (2, 5) / (3, 0) /$ $(0, -3) / (4, -3) / (6, -3) / (-3, -4) /$ $(-4, 0) / (4, 0) / (5, 0) / (-4, -5) /$ $(-4, 0)$	
3.	$(1, 0) / (2, -1) / (1, -5) / (-1, -4) /$ $(6, -2) / (-3, 0) / (3, 0) / (1, -1) /$ $(-4, 0) / (-2, 0) / (-5, 0) / (-2, 0)$	
4.	$(0, 2) / (-5, -5) / (3, 0) / (-1, -1) /$ $(3, 0) / (0, -3) / (-5, -3) / (3, 0) /$ $(0, -5) / (-4, 0) / (0, -2) / (1, -4) /$ $(-4, -3)$	
5.	$(-5, 3) / (-3, 6) / (5, -1) / (1, -2) /$ $(-1, -1) / (4, 0) / (0, -3) / (0, -2) /$ $(-3, -1) / (-4, 0) / (0, -3) / (-4, -4)$	
Extra scrambles		
E1.	$(-2, -3) / (-3, 0) / (-4, -4) / (0, -3) /$ $(0, -3) / (-3, 0) / (-3, -5) / (3, 0) /$ $(0, -3) / (6, -5) / (0, -1) / (2, -2) /$ $(4, 0)$	
E2.	$(0, -4) / (0, -3) / (0, 3) / (3, 0) /$ $(6, 0) / (0, -3) / (-5, -2) / (-4, 0) /$ $(0, -3) / (0, -1) / (4, 0) / (0, -4) /$ $(2, 0) / (3, -2) /$	

1.	$(4, 0) / (5, -1) / (0, -3) / (4, -5) /$ $(-3, 0) / (-4, -4) / (1, 0) / (-3, -3) /$ $(-3, 0) / (-4, 0) / (2, 0) / (2, 0) /$ $(6, 0)$	
2.	$(0, 2) / (-5, 4) / (-3, 3) / (3, 0) /$ $(3, 0) / (0, -4) / (-3, 0) / (0, -2) /$ $(-1, 0) / (-4, 0) / (-1, 0) / (2, 0) /$ $(0, -1) / (3, -2)$	
3.	$(-3, 5) / (0, 3) / (3, 0) / (-3, 0) /$ $(-5, -5) / (-3, 0) / (5, 0) / (-3, -3) /$ $(4, -1) / (0, -4) / (0, -4) / (5, -4) /$ $(-4, 0)$	
4.	$(-5, 0) / (0, -3) / (2, 5) / (-5, 0) /$ $(-3, 0) / (3, 0) / (-4, -2) / (2, 0) /$ $(4, 0) / (5, 0) / (4, 0) / (-2, -3) /$ $(3, -3) /$	
5.	$(3, 2) / (3, -3) / (4, -2) / (-3, 0) /$ $(6, 0) / (-1, 0) / (-3, 0) / (0, -1) /$ $(-4, -2) / (2, 0) / (-4, 0) / (3, -4) /$ $(-3, 0)$	
Extra scrambles		
E1.	$(3, 5) / (-2, 1) / (-3, -3) / (3, 0) /$ $(6, 0) / (-4, 0) / (0, -3) / (-2, 0) /$ $(0, -1) / (0, -4) / (6, -1) / (2, -4) /$ $(-2, 0)$	
E2.	$(-5, 0) / (-1, 2) / (-5, 1) / (3, 0) /$ $(-3, 0) / (-4, -4) / (0, -2) / (3, 0) /$ $(1, 0) / (4, 0) / (0, -4) / (0, -4) /$ $(0, -5) / (5, 0)$	