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

222 Scrambles for 2019-06-16

1.	R U2 F' U' R2 F' R2 F' U' F' U'	
2.	R' F U2 F U2 R2 F U' R2 U' R2	
3.	U' F' U' R2 U2 R U2 R U' R' U'	
4.	U2 R' F U' F' U' F U' F' R U2	
5.	U' R2 F R U' R' F U2 F' U F	

444 Scrambles for 2019-06-16

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

	Dw2	Uw	U2	D'	R2	L	Lw2	Dw	D2	
	В	Rw	U'	Fw	Bw'	Uw2	U2	L2	Lw'	
	Rw2	D'	Rw2	B2	Dw	В	D'	U'	Fw'	
1.	Rw2	Fw	Uw	R	D'	Dw'	L	В'	D2	
'-	Dw'	Uw'	R2	U2	D	B2	R'	Rw'	F'	
	Bw	Fw2	U	R	Rw	Bw	Rw'	В	D2	
		Dw2	_	U2	B'	Lw		_		
	Bw	Uw2	Bw	В	Dw	D'	Bw'	F'	B2	
	L2	Bw2	Lw	Uw2	F'	U	F	Uw2	Bw'	
	F2	L2	Uw2	Dw'	U	Lw'	В'	U	R'	
2.	Fw'	F'	D	F2	R2	D'	Lw'	Rw2	В	
	Rw	Dw'	D2	Lw'	D	Rw	Lw2	В'	Bw'	
	Lw2	Uw2	R'	L	Lw'	Rw	F	Lw'	L2	
	Dw'	Lw'	Dw2	L	Rw	Dw'				
	Uw2	Fw'	Lw'	В	Uw2	В	R'	U'	Bw	
	R	D	Bw'	Rw'	L	R	Dw2	Uw	Lw'	
	F'	В	R'	L	Rw'	Lw'	U2	В'	U	
3.	Uw2	Rw'	Lw	U'	Dw	Fw2	Uw	F2	Bw2	
	Rw	U'	Rw'	Uw'	L2	D	L	Rw'	Uw	
	Fw	Rw	U2	Fw2	Bw'	L	R'	Lw2	U	
	Rw	Fw2	R'	Lw'	B2	U'				
	Fw	Uw'	F	Bw'	R'	Lw	Fw	Rw'	U'	
	Lw'	Rw	Fw2	R2	В'	Bw	Fw	D'	U'	
	R	Lw'	Fw2	Bw'	L'	Bw	L	Dw	D	
4.	B2	Rw2	Lw2	F'	Rw'	U'	L	Dw2	F2	
	Uw	Rw2	В'	L	D	L	Dw'	Rw2	Uw	
	Fw2	F2	R2	F	Dw	LW	D	Uw	Bw	
	D	R'	F'	Fw'	L	В'				
		D I	Di (2	111	חו	D. (2	D	112	Eu.	
	F'	B'	Dw2	U' F	D' Bw2	Bw2	R F'	U2	FW'	
	Uw L'	Fw2			_	D2		DW I	Rw2	
	_	Dw	D	Lw2		Lw2		U2	Dw2	
5.	Bw'	Dw2	Rw2	Bw2	D	Uw2	R2	D	Fw'	
	Uw'	Dw'	D2	B'	Dw'	Uw2	Bw	В	L2	
	Fw'	B2	Bw'	D'	Rw'	U2	Rw'	Dw'	F	
	D'	Uw2	R2	В	Rw'	В				

777 Scrambles for 2019-06-16

1.	3Dw2 Lw2 3Fw' B' Rw Dw' Fw 3Dw Dw2 Lw' R2 3Dw2 3Uw2 Dw2 Lw'	3Lw2 D 3Uw2 Dw2 3Uw' B2 L' 3Lw' B2 Dw2 L	В	3Dw2 Rw2 3Fw2 3Fw' B Bw B' F R' 3Fw' Bw 3Uw Fw2 Lw2	F2	3Rw2 R Dw2 3Rw' Lw2 Bw Fw2 3Rw F' 3Lw2 3Fw2 U2 D'	L2 3Bw R D2 U2 R2 L' 3Uw' 3Fw2 3Lw2	
2.	Uw2 3Bw Uw 3Dw Dw2 3Fw' 3Fw2 R' 3Fw' L' 3Uw2 U 3Rw' Rw U2	B Dw' 3Rw' Fw' 3Lw2 3Dw' U 3Lw2 F Uw 3Dw' 3Bw' R2 3Dw2 BW	D2 3Uw2 Rw 3Lw D	Bw2 R' Rw2 B2 Rw Fw' 3Lw' Dw' Rw2 3Fw' 3Uw' R Uw	U'D'UW2BW23LWL'L'3BW2F3DW2BD23LWB2	3Lw	R2 B' 3BW FW B2 3BW 3DW' FW2 3RW' 3BW' 3BW UW2 FW 3FW'	
3.	3BW D L2 3BW2 3DW RW2 UW' 3DW2 F' D B LW2 Uw' DW2	U2 Uw' 3Bw2	3Uw F U2 Rw2 B2 U2 3Uw2 Rw' U' D2 F Fw2 Bw'	U2 L2 3UW LW R' FW L BW U R' 3UW'	R2 3LW 3LW2 RW U FW2 BW2 B' 3FW2 L LW 3LW' L' 3FW'	L 3Dw2 Dw R2 L D D' B' F2 Rw'	Rw2 L 3Lw	

333bf Scrambles for 2019-06-16

1.	R2 B R2	B' D F' R'	L2 F B' L F'	B' U2 L R2 D2	
2.		D'	D' D2 D' F L	R2 U U2 D2 D	
3.	U2 D2 B2 F F	R2 L2 L2 D D Rw2	B' U	L2 U2 L' L'	

333oh Scrambles for 2019-06-16

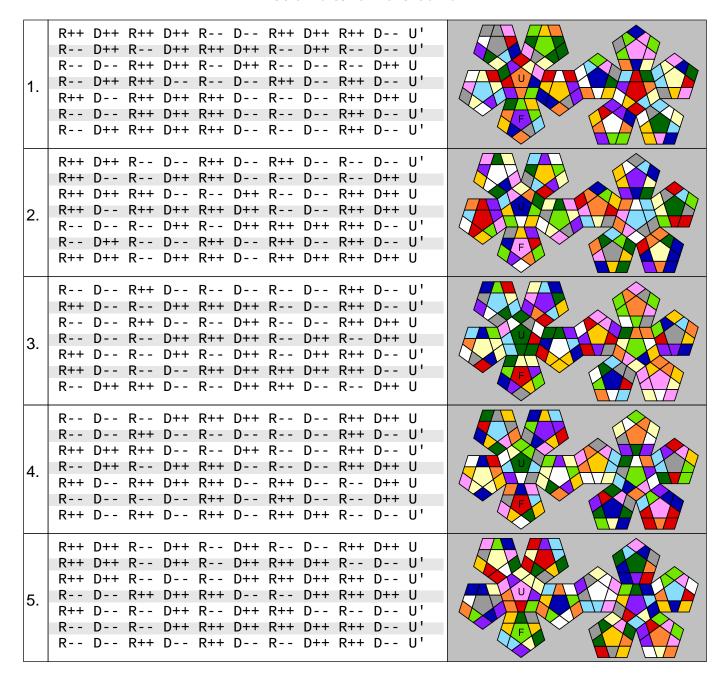
1.	F' L' D	B2	U2 D B2	B2		_	L2 R2		
2.	R B2 U'	B2 F' L'	R' R B'		L2 B		R' F'	D2 D	
3.	B' D2 L'		_	L'			U2 R		
4.	U2	R L' U'		F			R' D		
5.	F'	R2 L R'	B2				B2 U2		

1.	RULULUBUBL'Ru'lr'b	
2.	U' L' B' L U' R L U R L R' u r'	
3.	LBUB'LU'B'LR'B'Ru'l'b	
4.	R' B' R B' R L R' U B' R U l' b	
5.	B' R' B' R U' B' L' U L' U' B b'	

1.	R B L' B' L U B U L' B R'	
2.	R L B U L' U' R' L' B' U L'	
3.	R L B U' L B R' L U L U	
4.	URBRLBRL'R'LR	
5.	LRB'UR'B'L'U'L'BL	

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

minx Scrambles for 2019-06-16



1.	UR0+ UL3+ D2+ y2 D6+ UR	DR3- U1+ L5- U6+ L1- DL	DL1- R3- ALL0+ R1- ALL6+ UL	
2.	UR6+ UL2- D2- y2 D5+ UR	DR3+ U2- L1- U3- L3+	DL5- R2+ ALL1+ R6+ ALL5+	
3.	UR5+ UL1- D5- y2 D1- DR	DR1+ U6+ L1+ U4+ L4+ UL	DL4+ R3+ ALL2+ R6+ ALL1+	
4.	UR1- UL2+ D2+ y2 D5+ UR	DR3- U2- L4- U3+ L4- DL	DL3- R1- ALL3- R2- ALL2+	
5.	UR1- UL4+ D5+ y2 D0+ UR	DR4+ U3- L1- U3- L1- DR	DL4- R1- ALL4+ R4+ ALL1-	

Fewest Moves

- -> You have 60 minutes to find and write a solution.
- -> Write 1 move per bar. To delete a move, clearly blacken it.
- -> Your solution must not be directly derived from any part of the scrambling algorithm.
- -> Your solution must be at most 80 moves, including rotations.
- -> Your result will be counted in OBTM.
- -> Only use notation from Article 12 of the WCA Regulations. If you are uncertain, use only the exact moves listed here:

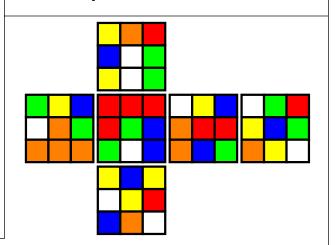
Face Moves

Clockwise F U D Counter-clockwise F' U' B' L' D' Double F2 R2 U2 B2 L2 D2 **Rotations** Clockwise [f] [l] [d] [r] [u] [b] Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d'] Double [f2] [r2] [u2] [b2] [l2] [d2]

Scrambles for 2019-06-16 333fm

Competitor:	-
WCA ID:	
DO NOT FILL IF YOU ARE THE COMPETI	TOR.

Graded by: _____ Result: ____



Scramble: R' U' F U2 R2 F2 L2 U R2 U B2 U2 F2 D' F' D' U2 L' D L R U' B' F2 R' U' F

Fewest Moves

- -> You have 60 minutes to find and write a solution.
- -> Write 1 move per bar. To delete a move, clearly blacken it.
- -> Your solution must not be directly derived from any part of the scrambling algorithm.
- -> Your solution must be at most 80 moves, including rotations.
- -> Your result will be counted in OBTM.
- -> Only use notation from Article 12 of the WCA Regulations. If you are uncertain, use only the exact moves listed here:

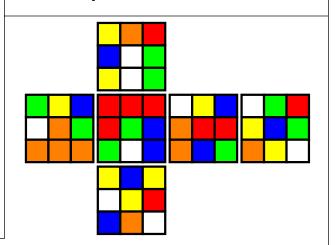
Face Moves

Clockwise F U D Counter-clockwise F' U' B' L' D' Double F2 R2 U2 B2 L2 D2 **Rotations** Clockwise [f] [l] [d] [r] [u] [b] Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d'] Double [f2] [r2] [u2] [b2] [l2] [d2]

Scrambles for 2019-06-16 333fm

Competitor:	-
WCA ID:	
DO NOT FILL IF YOU ARE THE COMPETI	TOR.

Graded by: _____ Result: ____



Scramble: R' U' F U2 R2 F2 L2 U R2 U B2 U2 F2 D' F' D' U2 L' D L R U' B' F2 R' U' F

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

444bf Scrambles for 2019-06-16

	D3	F'	1.2	_	1.2	
	D2		L2	F	L2	
	F'	D2	F	L2	B'	
	D'	R2	D'	F2	D	
	F2	R'	L	D'	F2	
1.	Fw2	L	F'	Uw2	R'	
	D2	L2	Uw2	U2	Fw2	
	Rw2	В'	F2	Uw	F2	
	Rw2	Uw	В	L2	RW	
	D'	В'		F	Rw	
	Uw	Z	у'			
	D2	L'	В	L2	U2	
	L2	U	В'	R'	F'	
	L2	B2	U2	В'	L2	
	F	R2	D2	F'	L2	
	Uw2	В'	U'	Rw2	В'	
2.	U2	Fw2	L2	F'	U'	
	R2	D2	Rw'	Fw2	Rw'	
	В'	L'	R	Uw'	R'	
	D	В'	Rw'	U	F2	
	y2					
	R2	F2	U	L2	U'	
	L2	B2	D'	В'	L'	
	D2	F'	B2	R'	B2	
	L'	U	F2	L2	Rw2	
	U	Fw2	Uw2	D	B2	
3.	F	D'	R2	U2	F'	
	Rw	В	D2	L'	D	
	L	Ūw	R	В	Ūw	
	Rw2		L	D	Χ¹	
	У	-				
	J					

555bf Scrambles for 2019-06-16

RW' L R UW FW2 UW2 FW' R2 B BW' U2 B2 FW L LW2 FW LW RW U R' D2 L' B D2 BW2 3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U 2. D UW' F' B2 DW2 F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 LW R' RW' L U2 L UW' F' 3RW' RW FW2 BW2 LW R' RW' L WY BW LW R' RW' L WY BW2 LW R' RW' L WY BW3 LW R' RW' L WY BW4 LW FW4 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		·	11:		D !	1	
Lw2 L' Rw Uw' R' F' L2 Lw2 D' Rw2 Lw' R' Fw2 L' Bw2 D' Uw2 U' Fw2 Dw 1. D Rw Uw2 Bw U' Rw' L R Uw Fw2 Uv2 Fw' R2 B Bw' U2 B2 Fw L Lw2 Fw Lw Rw U R' D2 L' B D2 Bw2 3Rw' 3Uw2 Uw' Dw' L' B2 L B' U Dw2 Lw Rw2 Fw' Bw B2 Lw' U' Rw' U' D' Fw2 Bw' U' Bw2 L Lw2 U Bw B Lw Rw U C2. F' Fw L2 U Uw2 Fw' L2 Lw B D2 Lw2 Rw' Uw2 D' Bw B Lw Rw U C3 Rw' Uw2 D' Dw' F' B2 Dw2 F' Fw L2 U Uw2 Fw' L2 Lw B D2 Lw2 Rw' Uw2 D' Bw B Lw Rw Lw R' Rw' L U2 L Uw' F' 3Rw' Rw Fw2 Uw2 L' Lw B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Lw Fw2 U2 3. Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2							
F' L2 LW2 D' RW2 LW' R' FW2 L' BW2 D' UW2 U' FW2 DW 1. D RW UW2 BW U' RW' L R UW FW2 UW2 FW' R2 B BW' U2 B2 FW L LW2 FW LW RW U R' D2 L' B D2 BW2 3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U BW B LW RW U U' BW B2 LW' U' RW' U' D' FW2 BW' U' BW B2 LW' U' RW' U' D' FW2 BW' U' BW B LW RW U BW B LW RW U BW B LW RW U EF' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 D' DW F BW LW F' RW' L U2 L UW' F' 3RW' RW FW2 UW2 D' DW F BW LW F' RW' L U2 L UW' F' 3RW' RW FW2 UW2 D' DW F BW LW F' RW' L U2 L UW' F' 3RW' RW FW2 UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 D' DW F BW LW R' RW' L U2 B U' UW' RW2 BW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2							
Lw' R' Fw2 L' Bw2 D' U' Fw2 Dw D Rw Uw2 Bw U' Rw' L R Uw Fw2 Uw2 Fw' R2 B Bw' U2 B2 Fw L Lw2 Fw Lw Rw U R' D2 L' B D2 Bw' Saw' 3Uw2 Bw' U' Rw' U' D' Fw2 Bw' U' Bw B Lw Rw U U' Rw' U' D' Fw2 Bw' U' Bw Lw Rw U B D2 Bw' Saw' Saw' Saw B Lw Rw U Bw							
1. D' UW2 U' FW2 DW							
1. D RW UW2 BW U' RW' L R UW FW2 UW2 FW' R2 B BW' U2 B2 FW L LW2 FW LW RW U R' D2 L' B D2 BW2 3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U D D UW' F' B2 DW2 F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 FW BW' DW L F2 RW L2 FW BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2							
RW' L R UW FW2 UW2 FW' R2 B BW' U2 B2 FW L LW2 FW LW RW U R' D2 L' B D2 BW2 3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U BW B LW RW U 2. D UW' F' B2 DW2 F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW R' RW' UW FW2 LW FW BW' DW L F2 RW BU' UW FW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2							
UW2 FW' R2 B BW' U2 B2 FW L LW2 FW LW RW U R' D2 L' B D2 BW2 3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U BW B LW RW U D UW' F' B2 DW2 F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' SW' RW2 BW2 LW R' RW' L U2 L UW' F' SW' BW B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW D' LW UW FW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2	1.		Rw			U'	
U2		Rw'			Uw		
FW LW RW U R' D2 L' B D2 BW2 3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U BW B LW RW U 2. D UW' F' B2 DW2 F' FW L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Uw2	Fw'	R2	В	Bw'	
D2 L' B D2 Bw2 3RW' 3Uw2 UW' DW' L' B2 L B' U Dw2 Lw Rw2 Fw' Bw B2 Lw' U' Rw' U' D' Fw2 Bw' U' Bw2 L Lw2 U Bw B Lw Rw U 2. D Uw' F' B2 Dw2 F' Fw L2 U Uw2 Fw' L2 Lw B D2 Lw2 Rw' Uw2 D' Dw F Bw Lw R' Rw' L U2 L Uw' F' 3RW' RW Fw2 Uw2 L' Lw B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		U2	B2	Fw	L		
3RW' 3UW2 UW' DW' L' B2 L B' U DW2 LW RW2 FW' BW B2 LW' U' RW' U' D' FW2 BW' U' BW2 L LW2 U BW B LW RW U 2. D UW' F' B2 DW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Fw	Lw	Rw	U	R'	
Uw' Dw' L' B2 L B' U Dw2 Lw Rw2 Fw' Bw B2 Lw' U' Rw' U' D' Fw2 Bw' U' Bw2 L Lw2 U Bw B Lw Rw U D Uw' F' B2 Dw2 F' Fw L2 U Uw2 Fw' L2 Lw B D2 Lw2 Rw' Uw2 D' Dw F Bw Lw R' Rw' L U2 L Uw' F' 3Rw' Sw' Dw L F2 Rw L2 Fw Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 Uz Fw2 Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2 Fw2 Lw Dw' Bw' Fw2 Fw2 Lw Dw' Bw' Fw2 Lw' Lw Lw Lw Lw Lw Lw L		D2	L'	В	D2	Bw2	
B' U Dw2 Lw Rw2 Fw' Bw B2 Lw' U' Rw' U' D' Fw2 Bw' U' Bw2 L Lw2 U Bw B Lw Rw U D Uw' F' B2 Dw2 F' Fw L2 U Uw2 Fw' L2 Lw B D2 Lw2 Rw' Uw2 D' Dw F Bw Lw R' Rw' L U2 L Uw' F' 3Rw' Rw Fw2 Uw2 L' Lw B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 3. Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		3Rw'	3Uw2				
Fw' Bw B2 Lw' U' Rw' U' D' Fw2 Bw' U' Bw2 L Lw2 U Bw B Lw Rw U 2. D Uw' F' B2 Dw2 F' Fw L2 U Uw2 Fw' L2 Lw B D2 Lw2 Rw' Uw2 D' Dw F Bw Lw R' Rw' L U2 L Uw' F' 3Rw' Rw Fw2 Uw2 L' Lw B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 3. Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		Uw'	Dw '	L'	B2	L	
RW' U' BW2 L LW2 U BW B LW RW U D UW' F' B2 DW2 F' FW L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 SFW BW2 LW FW2 U2 SFW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		В'	U	Dw2		Rw2	
U'	2.	Fw'	Bw	B2	Lw'	U'	
2. BW B LW RW U D UW' F' B2 DW2 F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Rw'	U'	D'	Fw2	Bw'	
2. D UW' F' B2 DW2 F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 FW BW2 LW FW2 U2 FW BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		U'	Bw2	L	Lw2	U	
F' FW L2 U UW2 FW' L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 SFW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Bw	В	Lw	Rw	U	
F' FW L2 LW B D2 LW2 RW' UW2 D' DW F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 SW RW LY FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		D	Uw'	F'	B2	Dw2	
Lw2 Rw' Uw2 D' Dw F Bw Lw R' Rw' L U2 L Uw' F' 3Rw' Rw Fw2 Uw2 L' Lw B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 3. Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		F'	Fw	L2	U	Uw2	
F BW LW R' RW' L U2 L UW' F' 3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Fw'	L2	Lw	В	D2	
L		Lw2	Rw'	Uw2	D'	Dw	
3RW' RW FW2 UW2 L' LW B' UW2 B U' UW' RW2 BW2 LW2 RW BW' DW L F2 RW L2 FW BW2 UW' D' LW UW FW2 LW FW2 U2 3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		F	Bw	Lw	R'	Rw'	
RW Fw2 Uw2 L' Lw B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Sw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		L	U2	L	Uw'	F'	
B' Uw2 B U' Uw' Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		3Rw'					
Rw2 Bw2 Lw2 Rw Bw' Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		Rw	Fw2	Uw2	L'	Lw	
Dw L F2 Rw L2 Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		В'	Uw2	В	U'	Uw'	
Fw Bw2 Uw' D' Lw Uw Fw2 Lw Fw2 U2 Fw L' Fw Dw2 B' Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		Rw2	Bw2	Lw2	Rw	Bw'	
3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Dw	L	F2	Rw	L2	
3. FW L' FW DW2 B' BW R LW2 F BW' U' RW2 UW L2 B' LW DW BW2 B' R F2 DW' U' FW2 LW' FW2 LW DW' BW' FW2		Fw	Bw2	Uw'	D'	Lw	
Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		Uw	Fw2	Lw	Fw2	U2	
Bw R Lw2 F Bw' U' Rw2 Uw L2 B' Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2	3.	Fw	L'	Fw	Dw2	В'	
Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		Bw	R	Lw2	F	Bw'	
Lw Dw Bw2 B' R F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		U'	Rw2	Uw	L2	В'	
F2 Dw' U' Fw2 Lw' Fw2 Lw Dw' Bw' Fw2		Lw				R	
Fw2 Lw Dw' Bw' Fw2						Lw'	
		3Rw'	3Uw'				

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

333mbf Scrambles for 2019-06-16

	6.	U2 U2 F2 Rw'	R' L D Uw		D2 L' F2	F	B2 U2 B'	F2 L' D	
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