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

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

444 Scrambles for 2019-06-19

	F'	B2	L	F2	L'	Uw'	U	
	L'	U	L Uw'	L2	Ew'	L	Uw2	
	Rw'	U	Uw'	L2	Uw	В	FW	
1.	U2	B'	Fw2	Uw	L'	R2	Uw2	
	Rw'	F2	RW	D'	Ū'	F'	В	
	Uw'	F2	D'	R2	D	•		
	Rw'	Fw2	U2	F'	Rw	F'	U'	
	Uw'	F'	Fw2	Rw2	F2	U	RW	
	L2	D2	FW	L2	B2	U'	Fw2	
2.	B2	U'	Rw	R2	Fw2	Uw2	B2	
	F'	Fw2	D2	R'	L'	В	L'	
	Rw	R2	Fw2	F	В			
	R2	D2	L'	R'	U2	Uw2	R'	
	Uw	U'	В	U2	L	F2	В'	
	R	F'	В'	R	Fw	Rw2	Uw2	
3.	D	U	L'	Fw	Rw'	В	Uw'	
	F	Rw	В'	R'	U	В	R	
	Uw'	U	Rw2	Fw2	R			
	Rw	L	B2	D'	В	F'	Rw'	
	Fw'	U'	Uw2	B2	Uw'	D2	R	
	Rw'	F	В'	Uw	Fw'	D2	R'	
4.	D2	F'	L'	U	Fw2	F'	R'	
	В'	Rw'	U2	F'	U'	D'	Uw'	
	R'	U'	F'	Uw	D2			
	R2	U2	В	Rw'	В	Rw	U	
	Fw2	B2	Rw2	Uw	FW	Rw2	R2	
5.	U2	Rw'	F2	U .	F'	R _.	D'	
.	L2	D .	Uw2	L'	Rw2	R'	Fw'	
	Rw2	F'	D	L2	B' .	L	U	
	F2	R2	L	Fw	Uw'			

	Dw	D'	L'	Fw2	F	L	Uw'	U'	Bw	
	Fw	Lw'	Bw'	R'	F2	B2	Bw2	L2	Dw2	
	Rw	Dw'	В'	D'	Dw2	Rw	Dw2	Rw'	D	
1.	U	В	Ū	B2	U'	Bw	R2	Uw	Dw'	
'-	R	Rw	U	D	Bw	Rw2	Fw	R	Lw	
	Dw	F	R2	Bw'	Uw2	F2	D	U	B'	
	Rw	Dw'	Lw2	Dw'	L2	F'		U	Б	
	1700	DW		DW						
	Dw'	L2	F	Lw	Dw2	L'	Lw2	R'	F'	
	D'	F'	L2	R2	B2	Rw	Dw	R'	L'	
	Bw'	B2	F'	Rw	R	U'	Fw2	D2	U'	
2.	R	F	Bw	Rw	Fw2	Lw'	F	U2	L	
	В'	Uw'	Bw2	Rw'	U'	L'	F2	U2	B2	
	D2	Fw	D'	Lw2	L'	Bw'	Dw'	Uw	Bw'	
	D	Fw'	L'	Lw	В'	U		_		
	Dw	Lw	L'	Rw	B2	F	U	Fw'	Rw2	
	L	Lw'	F2	R	Bw	Dw'	Uw	U	L'	
	Rw	Lw2	В'	D'	Lw2	В	U'	R2	Uw'	
3.	U	Bw	Uw'	Dw2	Fw	L'	Uw	В'	Fw'	
	Rw	D'	Bw	L'	U	Rw'	Lw2	R	F	
	R'	Dw	В'	R2	Uw2	L2	F2	Rw2	D'	
	Uw	Bw2	F'	L2	R'	Rw2				
	F	Fw	Bw2	Lw	B2	F2	Rw'	B2	Lw'	
	D2	В'	Rw'	R2	Dw'	L2	Bw	В'	Fw2	
	Rw'	Fw'	Uw	Rw'	Lw'	Dw2	Fw'	D'	L	
4.	Lw	Rw'	Bw'	Lw'	Dw	Rw	F	Lw2	Fw2	
	В	F'	D'	U2	B2	Bw'	D'	Fw	Dw'	
	Fw2	U'	B2	Bw'	L'	Dw	Rw'	F'	D'	
	Bw'	Fw2	L'	U	В'	Dw'				•
	Uw2	D'	Lw'	D2	U'	L	R2	B2	Uw'	
	D'									
	D'	LW	Bw2	Rw'	FW P2	Lw2	L2	R	Dw2 Uw'	
		FW	Lw2	U	R2	Bw	Fw2	R2		
5.	R2	Bw'	L2	Dw'	Lw2	L	B2	RW	Lw2	
	R2	Dw2	D'	Bw	RW	FW	F'	Uw	Lw2	
	Dw'	R'	F'	Uw	R2	LW	В	F'	R'	
	В	D	F2	Dw	В'	D'				

666 Scrambles for 2019-06-19

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

777 Scrambles for 2019-06-19

	U2	3Bw'	R	U'	3Lw'	3Rw'	В
	3Lw	Lw2	F	3Rw	D2	L2	Bw'
	3Uw	U'	В	L	F2	3Lw'	3Dw
	L2	R'	B'	Uw	Dw2	3Fw'	Bw
	Uw'	Rw2	Uw2	FW	Rw'	В	3Uw'
	Lw2	U'	Lw2	3Dw	Bw'	Lw'	3Rw2
	Bw'	U'	3Lw2		Lw'	3Fw2	3Bw'
	Rw2	3Bw'	3Rw2		U	R2	Lw2
1.	Fw'	R2	L2	Bw'	3Bw2	3Uw2	R
		3Lw'	3Uw2		3Fw'	3RW	Dw2
	LW	D'					
	_		R	3Rw	3Lw2		3Uw
	DW	3Bw'	3Lw'	R'	Rw	B'	F2
	3Rw	В	L2	3Fw2	B'	3Bw2	
	U	Dw	Lw	3Bw'	3Dw'	3Lw'	В
	3Lw	Uw'					
		_	_				
	3Uw2	Dw'	U'	В	3Dw	Bw	F
	Fw2	3Dw	3Fw'	3Bw'	Rw2	LW	3Bw
	U'	Uw2	Rw'	Bw'	3Bw'	L'	D2
	Rw'	3Uw	3Rw	U'	Uw'	F'	3Rw
	F2	В	Uw'	Fw'	3Dw	D2	В
	Fw'	Bw'	Rw'	3Bw'	R2	Dw'	3Rw
	D2	3Fw	U	3Bw'	R'	3Fw	3Uw'
2.	Rw'	U	3Uw	3Lw2	Rw2	F2	3Lw2
 2 .	R2	Dw'	Bw2	Rw'	F2	3Bw2	L
	R'	Fw	Bw'	L	В	L2	_ Uw'
	R	Uw'	U'	3Dw2		3Lw	F2
	R2	B'	Fw'	F2	3Rw	L	D2
		В	Fw2	Dw2	3Uw'	Bw2	Rw'
	DW	F'	D2	3Fw2	U	F	L2
	3Bw'	Uw					
	F	D'	L'	Uw	L'	3Bw	U
	3Uw	3Bw	Fw2	Uw'	U2	LW'	3Rw
	3Uw'		3Lw2		3Uw'	FW	D'
	3Fw	Dw	3Bw	3Lw2		3Uw2	
	3Rw'	L2	D'	3Uw	Bw	F'	3Lw2
	3Bw'	Lw	F'	3Uw	3Dw'	3Bw2	
!	LW	В'	D'	F'.	Bw	D'	R2
2	3Uw	Lw	3Fw	Uw'	3Fw	3Dw2	
3.	L _.	Uw'	Bw'	В	Lw2	Fw'	Bw'
3.	R'	3Uw	B2	3Rw	3Uw2		3Dw
3.		U'	Bw'	U2	3Rw'	L'	D'
3.	3Bw'				Lw	L	Fw
3.	3Bw'		В	U			
3.	3Bw' 3Rw2 Lw2	D 3Dw	B Bw'	U 3Rw	3Fw'	3Lw2	Rw'
3.	3Bw' 3Rw2	D				3Lw2 3Rw	Rw' Bw
3.	3Bw' 3Rw2 Lw2	D 3Dw	Bw'	3Rw	3Fw'		

333bf Scrambles for 2019-06-19

1.	D' F2 F' F' B	R2 U2 D2 L2 L2	D R2 L' D' R'	R2 B2 D U	
2.	D2 U' R2 L D' Rw'	U' B2 B' U U2	F2 R2 L R' B'	R2 F2 F2 F' D2	
3.	B2 L2 D' U2 F' Uw'	D2 B R F U'	R2 U2 D2 D' F'	F' F2 L' U' RW	

333oh Scrambles for 2019-06-19

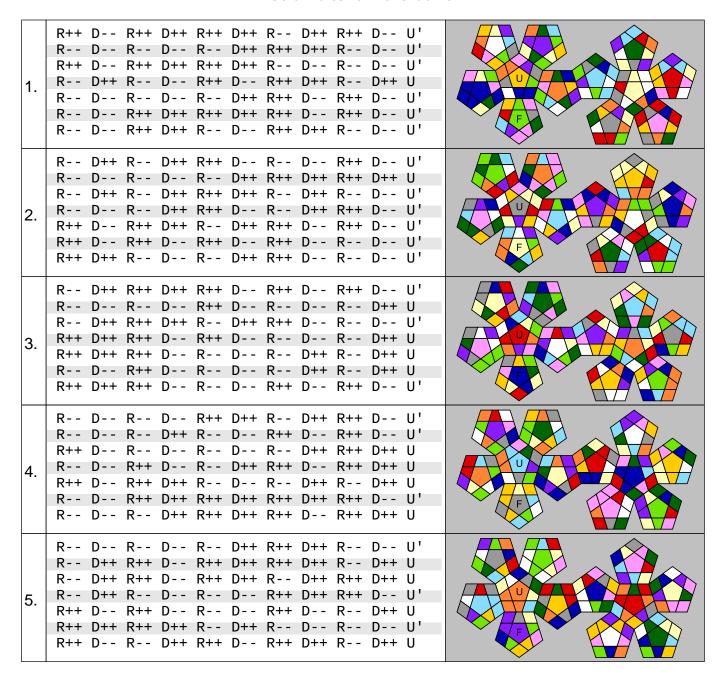
1.	U' U' F2	F' D		R F2	U U2		U U2		
2.	U2	D' F' L2		U U2		L' F2		L U2	
3.		F L' L		R2 L'				F D2	
4.	F'	U'	B L U		B' D2				
5.	F D2 U'		В	B L L	U2 D'				

1.	UBL'RU'B'LRL'RL'u'l'b	
2.	LU'RL'U'R'U'B'RLB1rb'	
3.	LULBR'U'RU'R'L'U'u1'b'	
4.	B'UL'B'L'R'U'L'BR'L'ulb'	
5.	R U' L' R' U L' B R U' B' U' u l'	

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

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

minx Scrambles for 2019-06-19



1.	UR4- UL4+ D4+ y2 D5+ DL	DR3+ U1- L1- U2- L4+	DL1- R1+ ALL3- R4- ALL1+	
2.	UR3- UL5+ D4- y2 D5- DL	DR1+ U0+ L0+ U1- L4+	DL3- R4+ ALL4- R3+ ALL4-	
3.	UR3+ UL2- D4+ y2 D4- UR	DR2+ U4+ L4+ U5- L1- UL	DL3+ R1+ ALL3+ R0+ ALL1-	
4.	UR5- UL2+ D3+ y2 D2-	DR0+ U6+ L3+ U5+ L0+	DL4+ R1+ ALL3+ R1- ALL5+	
5.	UR2- UL2- D1- y2 D0+ UR	DR2+ U5+ L3- U3+ L3- DL	DL1+ R2- ALL2+ R4- ALL3+ UL	

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 В D Counter-clockwise F' U' B' L' D' Double F2 R2 U2 B2 L2 D2 **Rotations** Clockwise [f] [1] [d] [r] [u] [b] Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d'] Double [f2] [r2] [u2] [b2] [l2] [d2]

Scrambles for 2019-06-19 333fm

Competitor:	
WCA ID:	
DO NOT FILL IF YOU	ARE THE COMPETITOR.
Graded by:	Result:

Scramble: R' U' F L2 F2 D' F2 D' L2 D' R2 B2 L D' R2 B2 U R2 F' L F D2 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 В D Counter-clockwise F' U' B' L' D' Double F2 R2 U2 B2 L2 D2 **Rotations** Clockwise [f] [1] [d] [r] [u] [b] Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d'] Double [f2] [r2] [u2] [b2] [l2] [d2]

Scrambles for 2019-06-19 333fm

Competitor:	
WCA ID:	
DO NOT FILL IF YOU	ARE THE COMPETITOR.
Graded by:	Result:

Scramble: R' U' F L2 F2 D' F2 D' L2 D' R2 B2 L D' R2 B2 U R2 F' L F D2 R' U' F

333ft Scrambles for 2019-06-19

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

444bf Scrambles for 2019-06-19

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

555bf Scrambles for 2019-06-19

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

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

333mbf Scrambles for 2019-06-19

6.	D D' B' Fw'	F	R2	B2 U2 F2		D R2 F'	R2 D D	
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