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

222 Scrambles for 2019-05-19

1.	U' R' U' R U F U' R' F U2 R	
2.	R' U' R U2 R2 F U' R2 F' R' U'	
3.	U R' U' F U' F' U' R' F U' R	
4.	U R' U' R U R U' R2 F2 R U2	
5.	U' R' F' U' R U' R U' F' R' F'	

444 Scrambles for 2019-05-19

	Fw	F'	R	U'	D	F	I Iv.	
	U'		D'		Uw'	F	UW	
	U	Fw2		F2			Fw2	
1.	_	FW F2	F2	RW	R	L2	UW	
	Fw2		D U	B2 F'	FW	L2	R'	
	Uw F	L2	B'	Г D'	D2 Fw'	Fw	R	
		L						
	Rw	Fw2	Uw'	D'	Rw	L'	D2	
	U2	Rw	R2	FW	D2	Fw2	U	
2.	F2	Uw	F'	D2	F2	Uw'	B2	
_	R2	U2	R'	L'	F .	Fw2	L'	
	F	U	D2	F'	Fw'	R'	Rw	
	U'	R2	U2	Rw	U'			
	Rw2	Uw	Fw	L'	D'	Rw2	U	
	Rw'	R	Fw'	Uw2	R	F'	D2	
	Rw'	B2	Uw	U	R'	Uw2	D	
3.	L'	Uw2	B2	U'	L'	D2	R	
	F'	Rw'	R2	L	Fw2	F'	Uw	
	L'	Fw	L2	R'	U'			
	Uw	L'	Uw'	U2	Rw'	Fw	Rw	
	D'	В	Rw	U'	R	Fw	L	
	F2	U'	L	В	Fw'	D'	Fw	
4.	B2	Rw'	B2	U	D	F	Uw	
	U'	R	D2	Rw'	Fw	B2	F'	
	R	L'	Rw2	F'	Uw'			
	R2	D	Fw2	D'	F2	R	Rw	
	Uw2	Ĺ'	U'	Rw2	Fw2	R'	Fw	
	D'	Ū'	R	U	Fw'	B'	D2	
5.	В'	Uw	Rw	Fw2	R2	F	Rw'	
	B2	D2	U	B'	F	R2	D	
	F'	Rw2	U'	Uw	Rw	· <u>-</u>		
			_					

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

666 Scrambles for 2019-05-19

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

777 Scrambles for 2019-05-19

								T
1.	3Dw' Bw2 3Dw Lw2 3Uw2 Bw2 L' 3Lw2 R 3Bw' 3Dw Fw Lw2 3Dw Uw	3RW 3UW 3FW 3LW2 RW2 LW' F' DW2 F' 3UW	U 3RW FW' 3DW2 LW2 3FW2 RW' L' FW D' F 3RW' 3BW FW2	3Lw' Fw' 3Bw2 3Uw' Rw Fw' R 3Fw2 B2 L	3Uw2 3Lw R 3Uw' 3Bw 3Rw F2 3Bw2 FW 3Dw2 U' U2 3Uw B	Bw' Rw2 Uw 3Lw Rw2 Lw' R 3Uw 3Rw B2 Fw2 Uw U2	3Rw2 Dw2 D B' LW FW L2 U' UW R' 3Bw' 3Rw L' Dw	
2.	R2 L' Dw2 3Uw' B' 3Rw2 Fw2 Fw R Dw Lw Uw Lw' 3Bw2 Bw	Bw' F' 3Fw L 3Dw Fw2 3Rw Lw2 L2 3Fw 3Rw' U' 3Fw 3Uw 3Uw'	U 3Bw U' 3Dw2 3Lw2 R2 Dw2 U2 3Uw L2 Fw2 L Lw2 Fw		U' BW D' 3DW FW DW' U' BW2 F' RW B F 3RW B	L Lw' Bw2 L L2 R2 Uw 3Bw2 3Bw Dw F Bw Uw Fw'	3Dw2 3Lw2 3Dw2 F U 3Rw' 3Dw 3Uw' L2 3Fw' Dw' 3Dw' 3Bw'	
3.	B' 3Dw2 Bw2 Lw2 D2 Dw2 3Rw' 3Uw2 Fw2 D' 3Lw' D2 Lw Uw D	3Uw	U' U' B' D BW' 3FW' D' R 3LW2 L RW2 L2 UW' D'	3Uw2 U F' Rw	3Bw'	3Bw' 3Lw 3Uw' B' Dw Rw F2 3Uw' D 3Dw2 Lw Fw Bw2 Bw	3Uw Fw' B2 3Uw Rw F' 3Dw2 3Lw' Bw2 3Uw' 3Rw' 3Dw' U2 3Fw'	

333bf Scrambles for 2019-05-19

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

333oh Scrambles for 2019-05-19

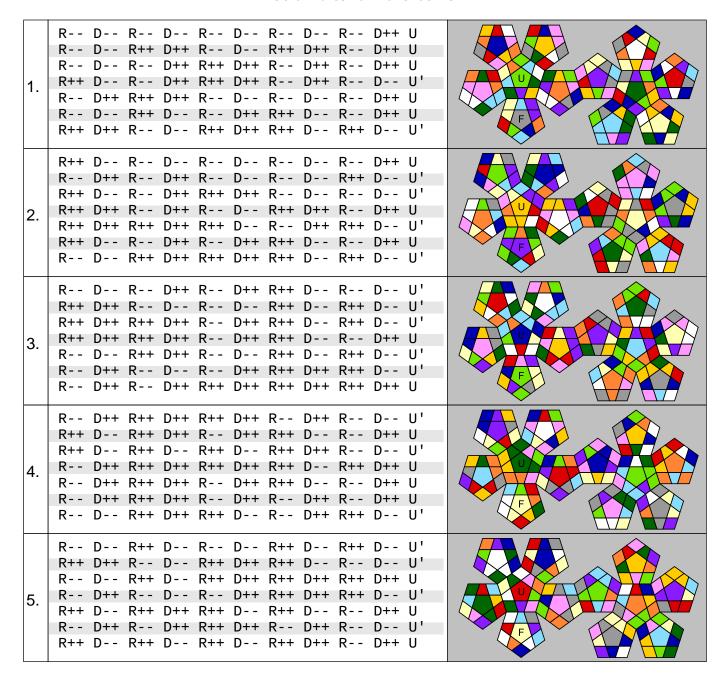
1.	U L F	L2 B R'	U U U'			R2 F2	B' B	
2.	R2	D2 D' U2	F' R B			U2 U'	D2 D	
3.	U L2 B'	L2 U2 R		B2 R F'	U	R2 B2	B2 D	
4.	D2 F' B	L' D L	D2 B' B'	B2 L'				
5.	R L L2		F L' F2			F' U'		

1.	BLUR'BU'R'LB'L'U'ul'rb'	
2.	R' B R L' R L' R' B L B R' r	
3.	U' B' L' R U L' B' L B U' B' u' l	
4.	R'URBR'LB'U'L'BLul'r'b'	
5.	U L' B U B' U' B' U' L' U' B' l r b'	

1.	LURBR'U'LRURU'	
2.	LRL'R'LU'B'R'U'RB'	
3.	R B L U R U' L B' R B R'	
4.	UR'B'ULBLBRB'R'	
5.	R B L' B U R' L U R' B' L	

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

minx Scrambles for 2019-05-19



1.	UR2- U5+ ALL6+ D5+	DR5+ R0+ y2 L1-	DL2- D5- U5- ALL1-	UL5+ L5+ R4+ DR	
2.	UR2+ U2+ ALL4- D1- DL	DR2- R5+ y2 L1-	DL2+ D2+ U4- ALL2+	UL4+ L2- R4- UR	
3.	UR6+ U2- ALL0+ D0+ DL	DR3- R0+ y2 L1+	DL4+ D3+ U5+ ALL3+	UL2- L0+ R4- DR	
4.	UR2- U0+ ALL3- D0+ DR	DR2- R3+ y2 L3+ DL	DL5+ D5- U6+ ALL1+	UL4+ L1+ R2- UR	
5.	UR4- U5+ ALL4- D3+ DR	DR3+ R1- y2 L6+ DL	DL4+ D6+ U5- ALL4- UL	UL5+ L2+ R2+ UR	

Fewest Moves

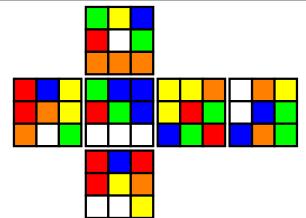
- -> You have 60 minutes to find and write a solution.
- -> Write 1 move per bar. To delete a move, clearly blacken it.
- -> Your solution must not be directly derived from any part of the scrambling algorithm.
- -> Your solution must be at most 80 moves, including rotations.
- -> Your result will be 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' 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 2019-05-19 333fm

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



Scramble: R' U' F R' B2 R' D2 R' D2 F2 L2 B D R D' B' U L2 F2 U2 F2 R' U' F

Fewest Moves

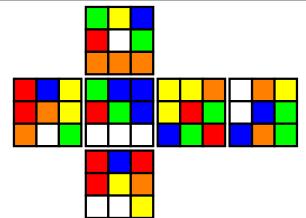
- -> You have 60 minutes to find and write a solution.
- -> Write 1 move per bar. To delete a move, clearly blacken it.
- -> Your solution must not be directly derived from any part of the scrambling algorithm.
- -> Your solution must be at most 80 moves, including rotations.
- -> Your result will be 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' 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 2019-05-19 333fm

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



Scramble: R' U' F R' B2 R' D2 R' D2 F2 L2 B D R D' B' U L2 F2 U2 F2 R' U' F

333ft Scrambles for 2019-05-19

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

444bf Scrambles for 2019-05-19

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

555bf Scrambles for 2019-05-19

1.	FW R' B LW UW' FW' RW' U2 DW LW2 U' UW 3RW	Lw2 Rw Rw2 Fw' D' L' D2 L Lw Fw2 F' Bw2 3Uw2	D' Bw' L Bw2 R' R' Dw B2 L2 R' Bw2 Uw2	L2 D' Dw' Lw F B L' D' D' L2 FW LW	LW' R' UW2 DW LW D2 UW' L' F' BW' R FW2	
2.	D FW UW2 L2 U' LW UW2 D FW2 B2 R FW' 3FW'	FW'LW'DWLRW2LW'U2F'U	L D' Dw2 R2 Fw2 R2 R' D F Fw' Dw Dw2	R2 F2 LW RW' R2 F' B' F DW UW UW2 BW2	Dw2 Fw Dw' B' U' D' Fw2 Uw L2 B' Rw' L'	
3.	Bw2 B' F U D D Bw2 Dw U Dw D2 Rw 3Uw2	FW BW BW' L L' FW' LW' F RW2 B2 U2 FW'	B' Uw2 Fw D2 Lw2 U2 Bw2 Fw R' F' Rw'	D Lw' B' Rw Dw R2 U Uw' D R2 B Lw'	R R' D R' Lw2 D2 D Dw' Uw2 Lw2 Lw2 L2 Bw	

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

333mbf Scrambles for 2019-05-19

	D U'	B2 L2	_	В'	U'	L2 F2		
6.	L2 Rw'	F	L	B2	F	R2	U'	