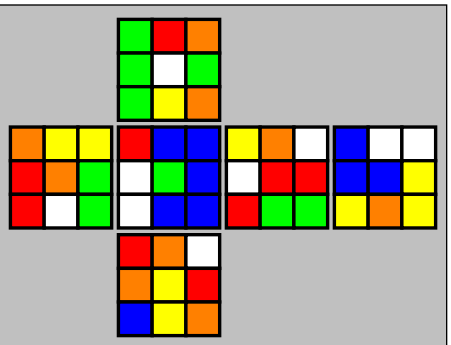
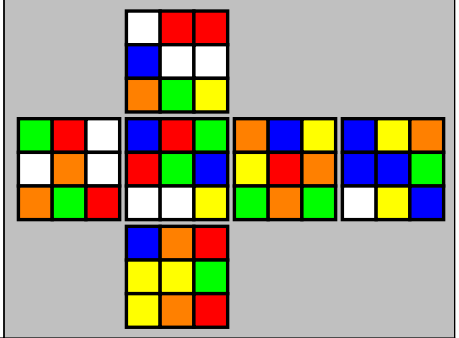
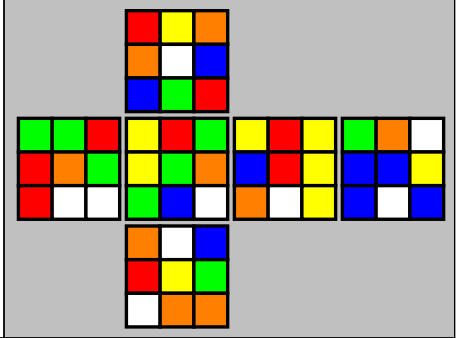
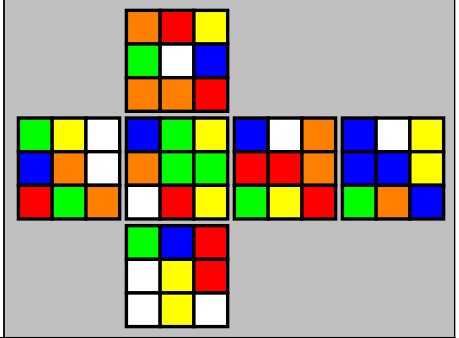
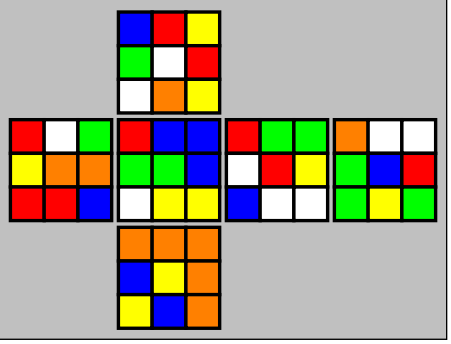
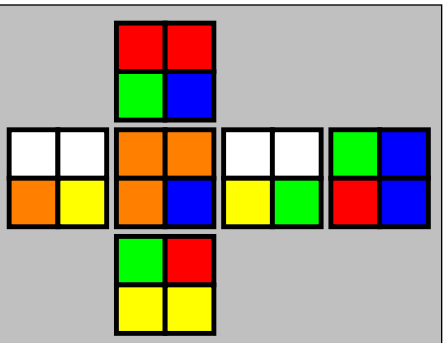
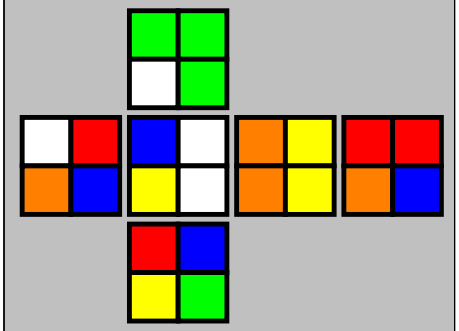
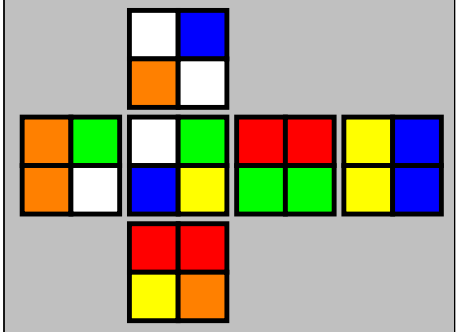
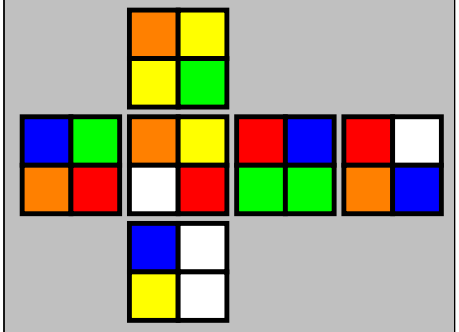
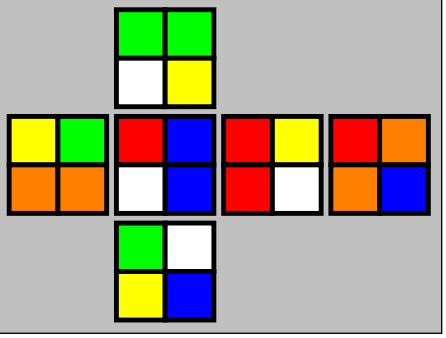
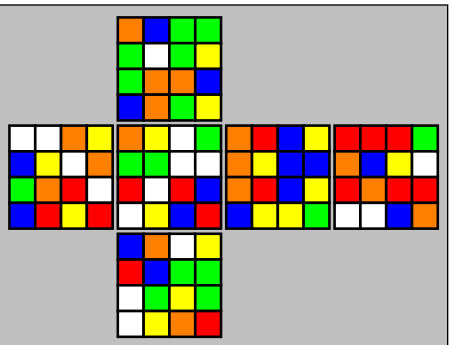
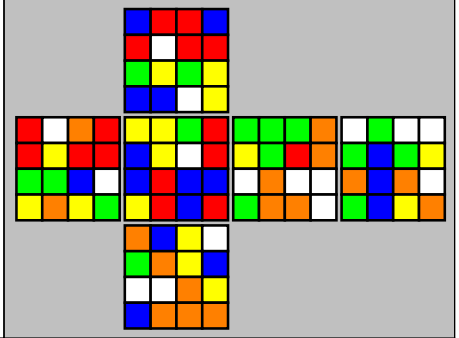
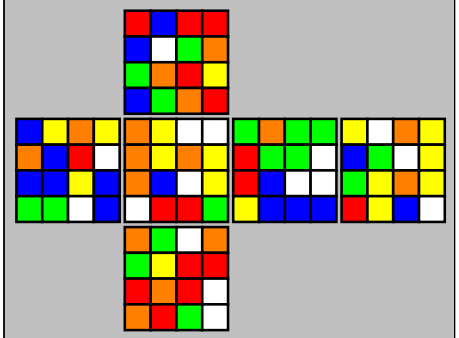
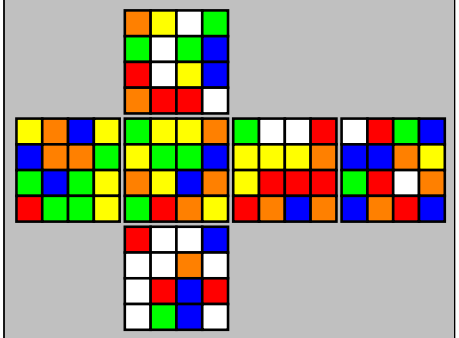
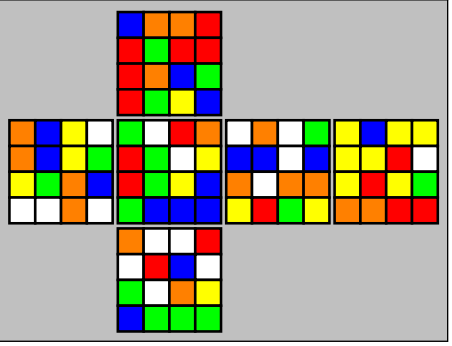
Scrambles for 2019-05-25

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

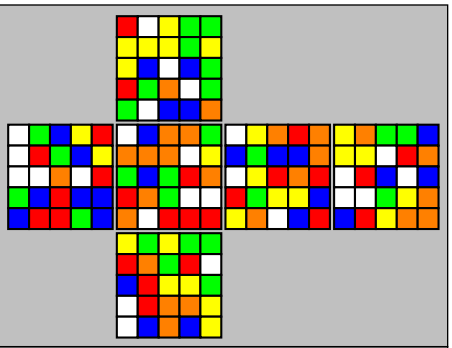
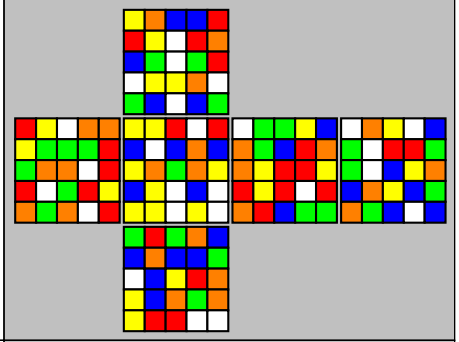
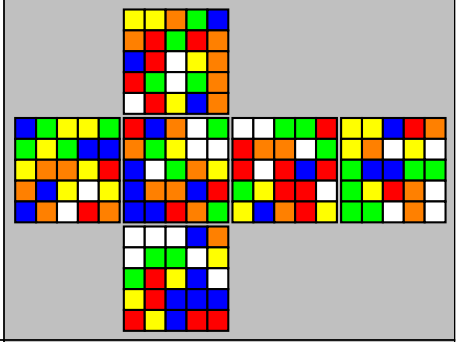
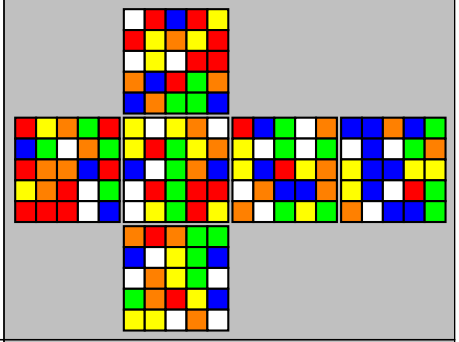
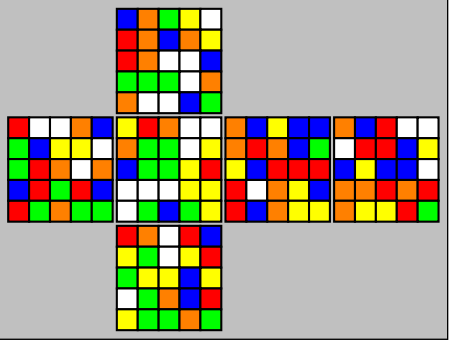
Scrambles for 2019-05-25

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

Scrambles for 2019-05-25

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

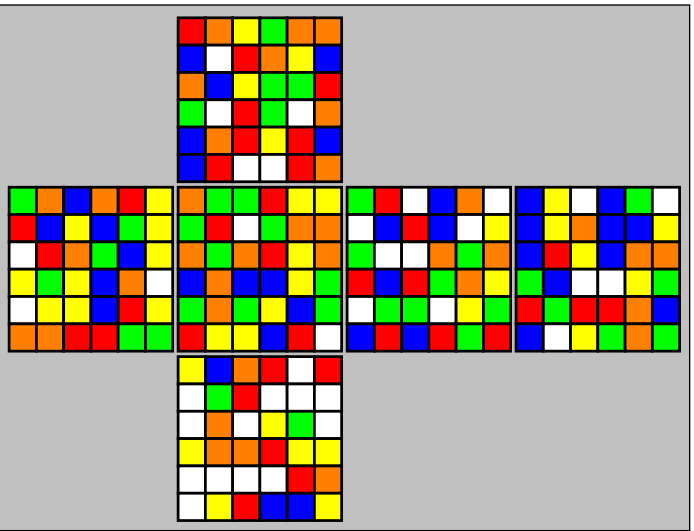
555
Scrambles for 2019-05-25

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

Scrambles for 2019-05-25

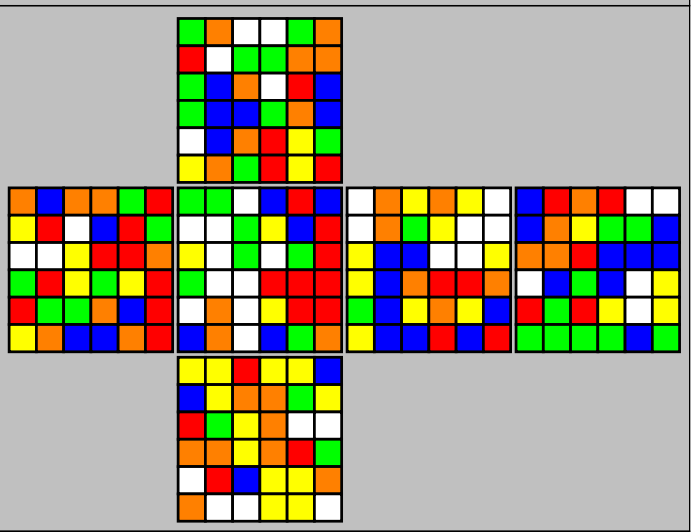
1.

Lw' Rw' Bw 3Uw2 D Lw2
R 3Rw 3Fw D2 B 3Rw2
B2 Dw2 D Rw' 3Uw Bw'
R D2 Dw2 B2 Dw F'
Rw2 Bw2 3Uw2 L2 F' 3Rw'
Lw' Uw' Lw2 D2 B' L
F' U L Bw F2 U2
Lw' 3Fw2 U' F B2 L2
3Fw Dw2 Uw2 3Rw D' Fw'
Rw' D U B2 Fw' D'
Uw' Bw' Dw' Rw2 Bw 3Rw2
Fw2 B2 Lw' Bw Rw Dw'
Uw Lw' B Lw' D2 L
3Rw' U2



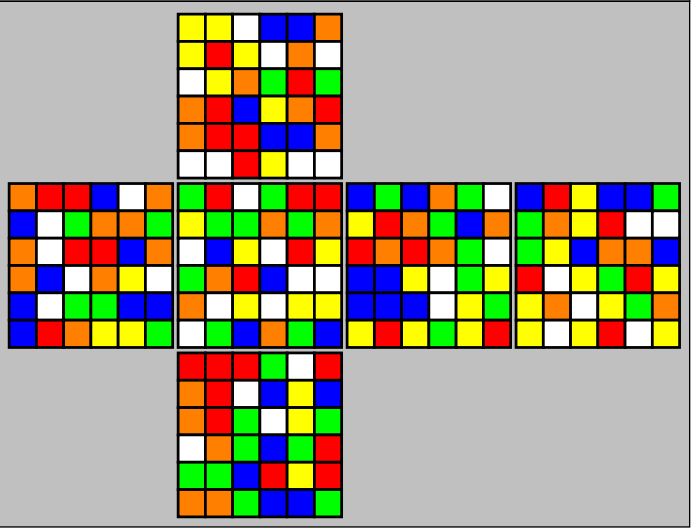
2.

U' Fw2 Dw' 3Rw R' U
D' R2 Lw Dw' 3Rw' Dw'
Rw R 3Uw' 3Rw U B'
Dw Lw' 3Uw' 3Rw' Bw2 3Fw'
3Rw' 3Uw2 Rw2 D2 Rw B'
F' L2 F' Dw2 R2 Dw'
3Uw D' L' R2 Lw2 Bw'
L U' Uw2 D F' Lw2
3Fw L2 Fw' F2 3Uw R2
3Fw Lw2 Uw 3Rw' D' Dw'
Bw2 R Rw' Fw' F' B
D U' 3Uw' Bw' U2 3Rw'
D' F' Lw F Rw' 3Fw2
Rw' Bw2



3.

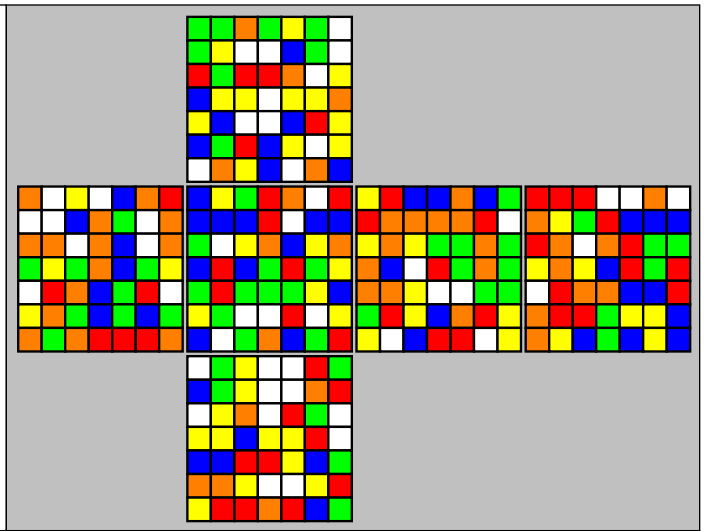
Rw' B2 Lw' D Lw Bw
3Rw2 U Bw U' R F
3Uw2 Dw Fw2 Rw2 F' Rw'
D' F' Rw2 R' 3Rw F'
L 3Fw' D Uw' Lw' 3Rw'
B' Lw2 Fw' 3Fw2 B' F2
Lw2 Fw Dw' 3Uw2 Rw U2
B2 F2 Uw2 B' Rw 3Uw2
Rw' D' Uw Fw B2 F2
R L Dw F' U2 3Uw'
Lw' Dw' D2 L2 D 3Uw'
3Rw 3Uw' Lw D' Bw2 Lw
F' Fw' D L2 B2 Rw
Bw' L'



Scrambles for 2019-05-25

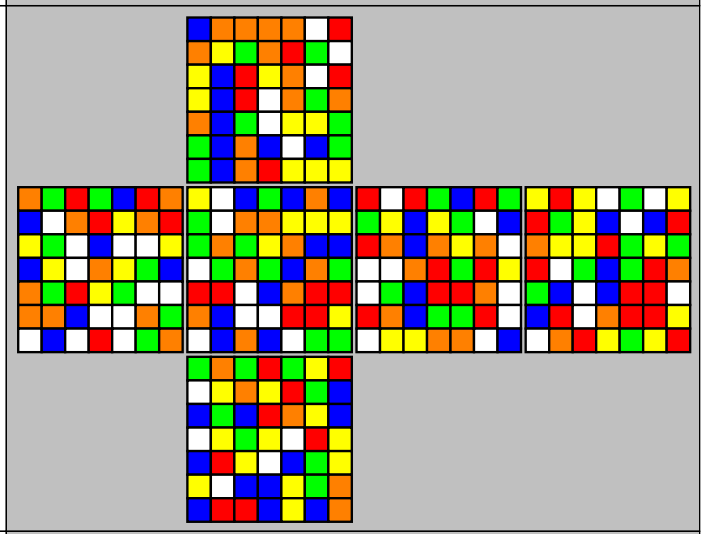
1.

U2 D' R2 3Fw U2 Bw L2
3Lw2 R' F B Uw2 3Lw L
D' B' L2 3Dw R2 3Dw 3Uw
R 3Uw2 Dw' 3Bw' Uw' 3Rw 3Uw
L Lw2 Uw F' Bw2 Uw' Fw'
3Fw' Rw' L 3Rw 3Fw2 D2 3Bw
3Lw' D2 Lw Dw 3Lw 3Uw2 Bw2
3Lw2 U2 B U' Bw2 3Lw' R
Uw' D U2 3Bw Rw2 Bw2 D2
Lw2 3Lw 3Bw2 L D2 Lw' Dw'
3Dw Fw2 U2 F U Uw2 F2
3Rw2 R' U2 Dw2 R U 3Bw'
3Rw' Fw Lw 3Uw Bw2 D F
3Bw Uw 3Dw Bw' U' 3Dw' 3Lw2
3Dw 3Fw'



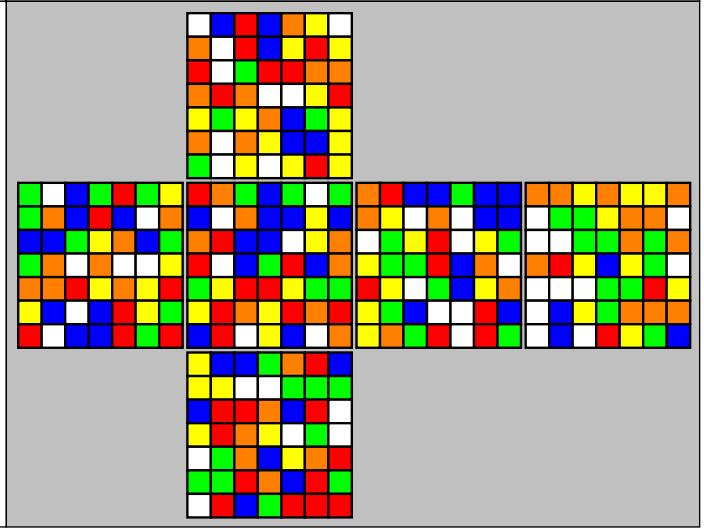
2.

R' L Uw' Lw 3Uw U 3Rw'
3Uw2 F U Uw' 3Lw 3Fw R2
Fw2 3Uw F R' Uw2 3Lw 3Uw2
3Fw' 3Lw2 L Uw2 Bw2 3Lw2 3Bw'
3Fw2 Dw 3Fw2 R2 Fw2 3Dw2 Uw'
3Fw' 3Dw' Lw2 3Fw Rw' Uw 3Fw2
3Uw Bw L' Lw Uw' 3Bw' B'
3Rw' R' L2 U' Bw Uw2 3Fw2
3Uw B2 U2 Uw Dw2 B2 Lw2
F' 3Uw U Rw F L2 R'
3Uw' Lw' Fw L 3Rw 3Uw' 3Lw'
R F 3Lw Fw2 3Lw' 3Dw' L2
Dw Fw' D L R2 3Dw' Bw
3Rw2 F2 L2 3Rw' 3Uw2 Rw' Bw
L2 Lw2



3.

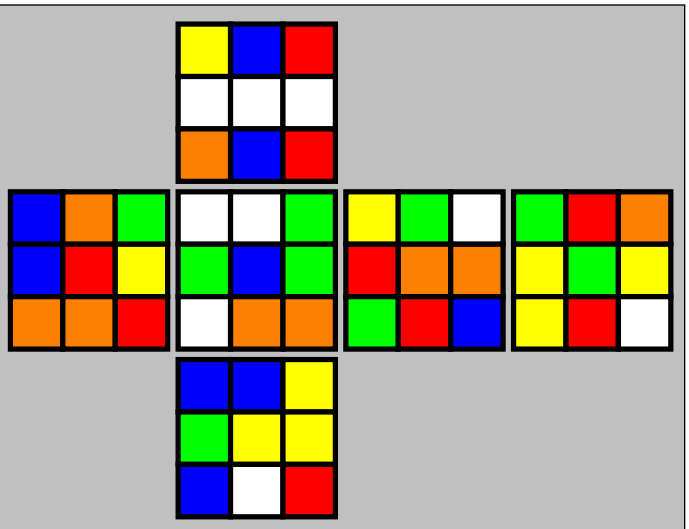
Bw 3Fw' Lw B R' Uw2 Lw'
Rw2 3Lw D2 Dw' 3Bw L' U'
F' 3Bw Dw2 Fw D R Fw
Bw2 Uw' Rw' 3Uw2 Fw2 Lw D'
Rw2 Lw' 3Rw2 Dw2 3Bw' 3Fw D'
Bw B' F 3Lw' Lw' F2 U'
3Lw R 3Dw' Bw 3Fw2 3Bw2 L2
Fw2 3Fw2 B2 F' 3Uw 3Rw' Bw'
3Fw F' 3Bw2 D Lw2 L2 Bw2
Fw2 Uw' Bw2 Rw 3Fw Dw Lw2
3Bw' 3Rw2 3Lw' 3Fw' B Bw2 D2
3Fw Rw2 3Lw2 L 3Uw Bw R2
3Rw2 B 3Uw' B2 Lw2 3Bw' Lw'
U2 Bw B' U 3Bw2 D2 3Uw2
Lw' Rw2



333bf
Scrambles for 2019-05-25

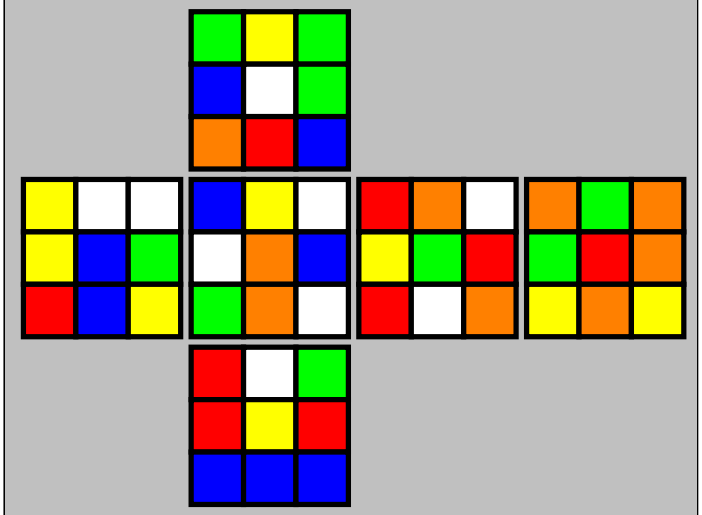
1.

D2 R B2 U2
R U2 R D2
R' B2 D' B2
L B D B'
D' R U B2
Uw2



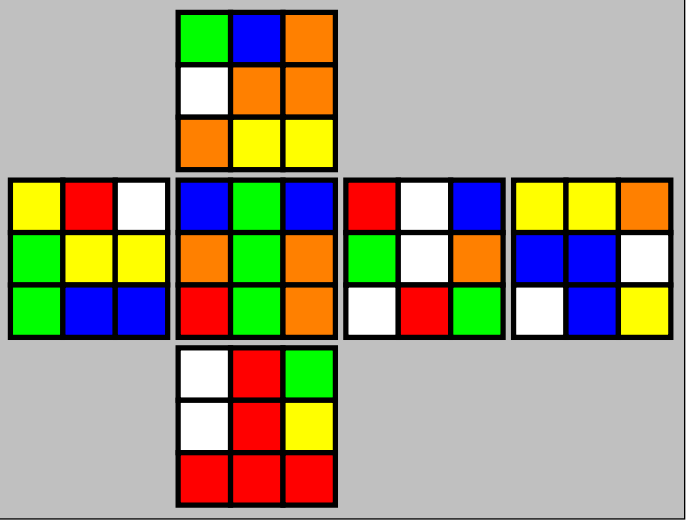
2.

L2 U' B2 D
B2 U' R2 D'
L B2 L2 F
R' B2 L2 B
R2 D' U' R'
Uw'



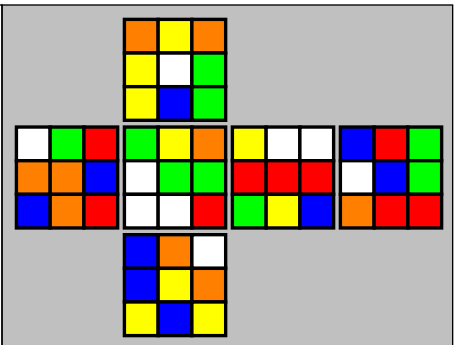
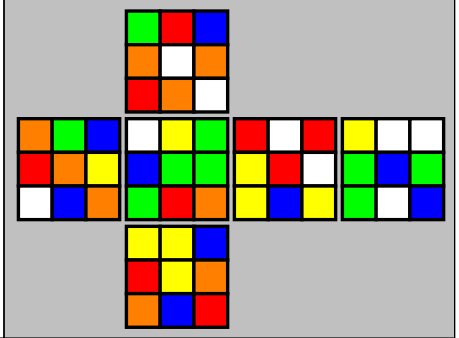
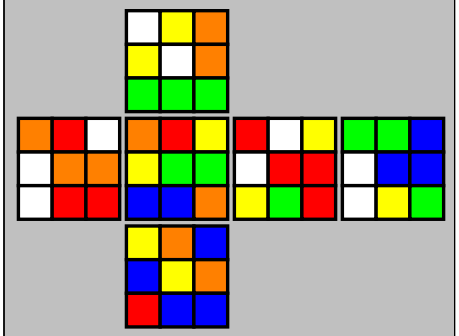
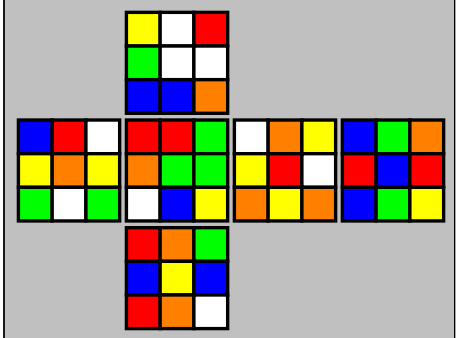
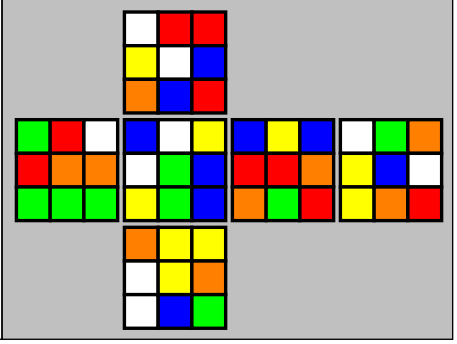
3.

D' F2 L2 D' U2 R2
U' B2 R' F R' D
R2 D' L F D2 R2
U' Fw



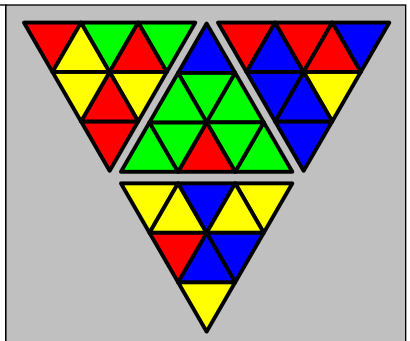
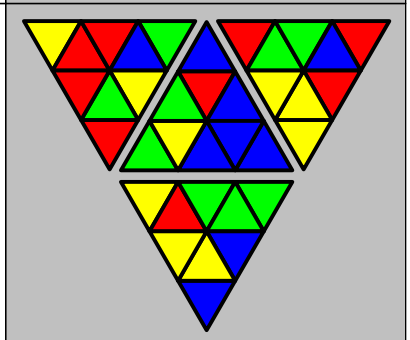
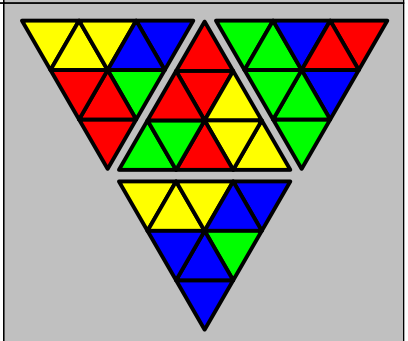
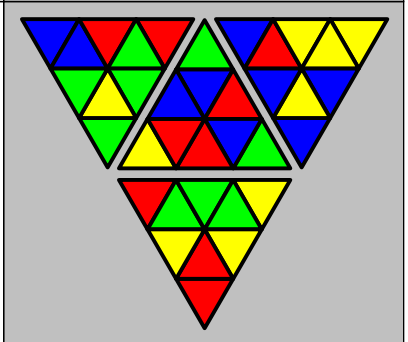
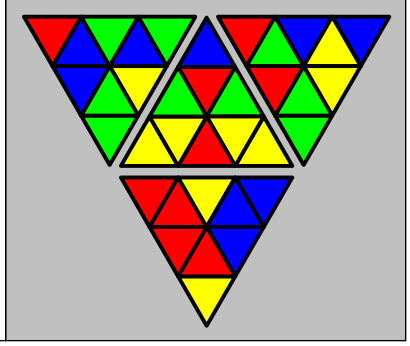
2019-05-25

333oh
Scrambles for 2019-05-25

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

2019-05-25

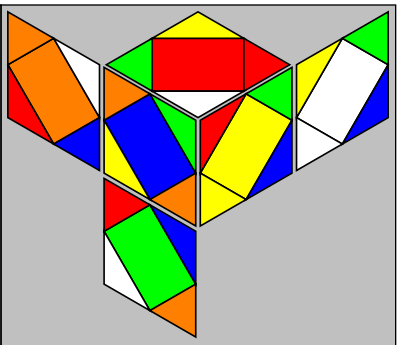
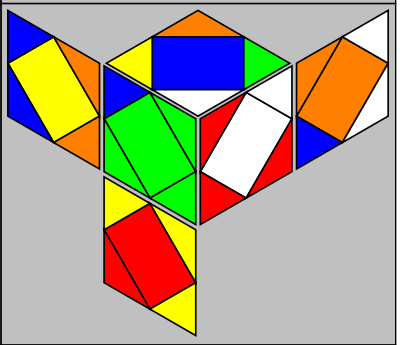
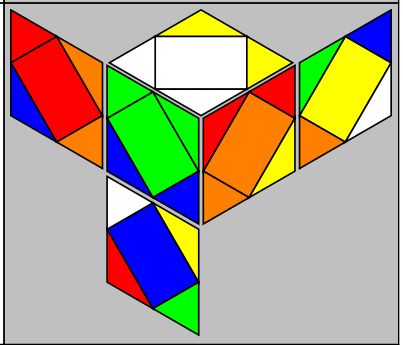
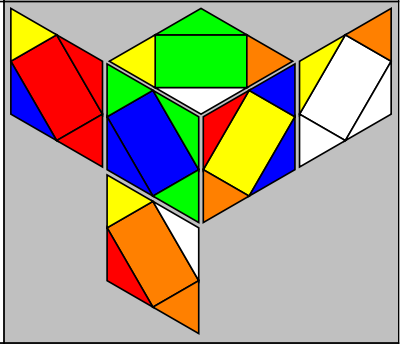
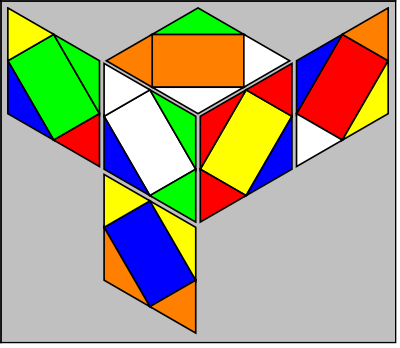
pyram
Scrambles for 2019-05-25

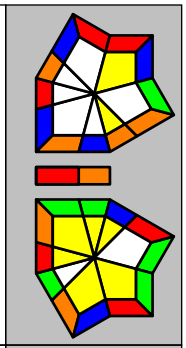
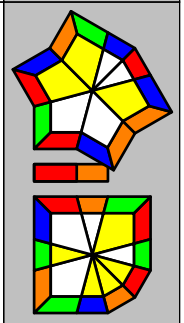
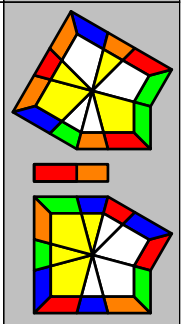
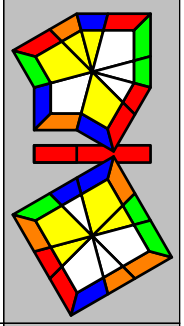
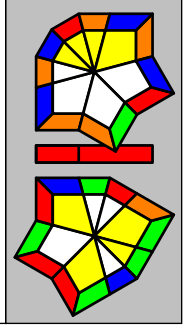
1.	R L R' B U' L' U' R B R' U' u b	
2.	B R L' R U B' R B R' U B' u' l b'	
3.	U' L R' L R' L B' L' R' L R	
4.	B R' B' L' U R' L R' B R' L u' l r	
5.	R B' U L B U' R U' B R' L u' b'	

2019-05-25

skewb

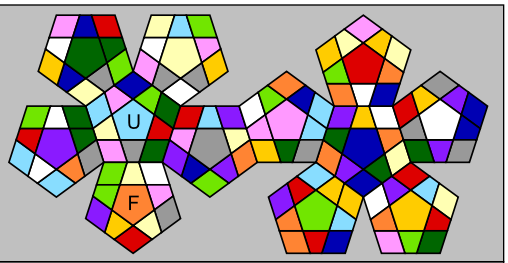
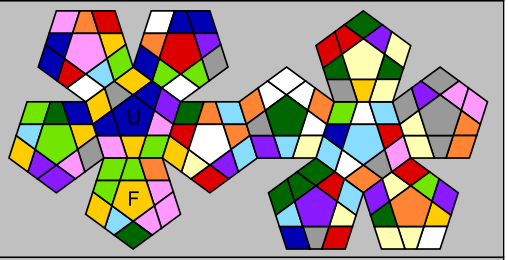
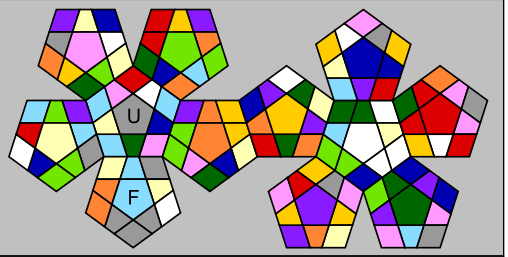
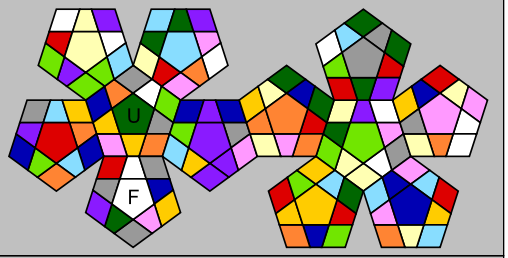
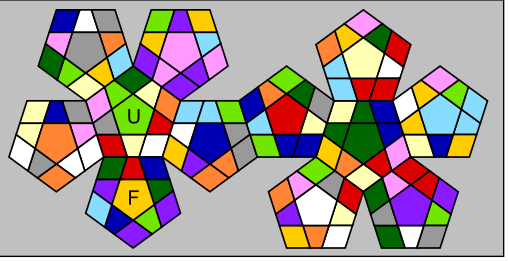
Scrambles for 2019-05-25

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

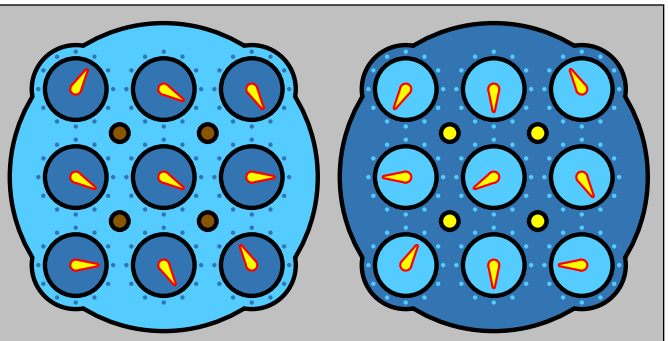
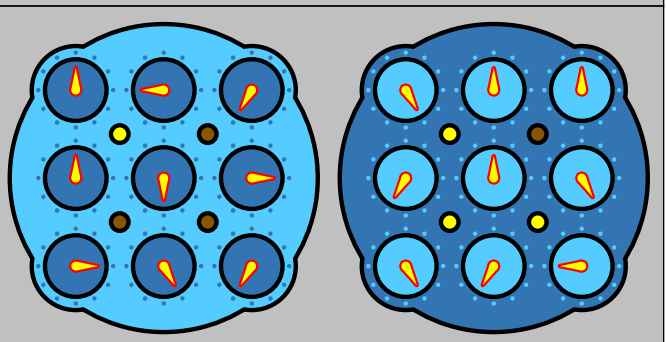
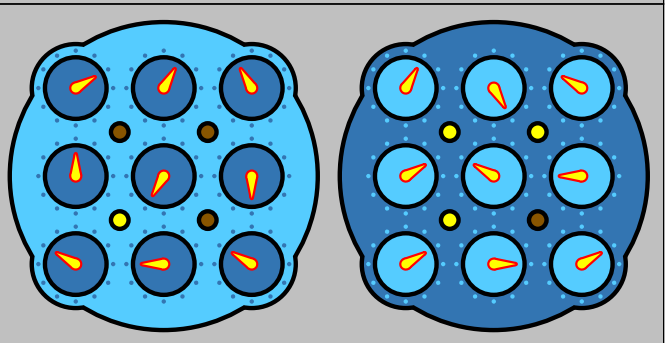
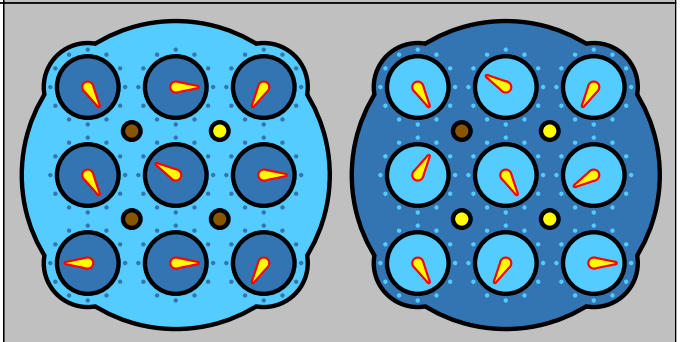
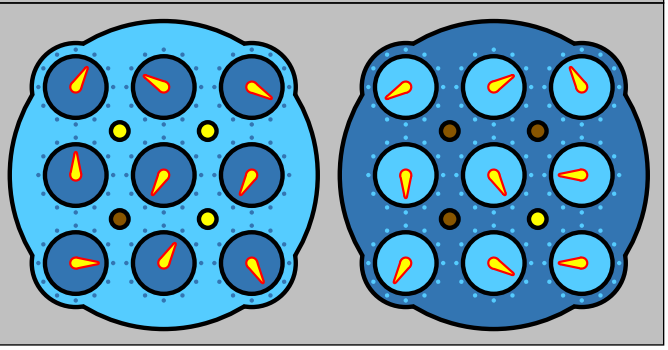
1.	(0,-1) / (0,-3) / (0,3) / (-3,0) / (4,-5) / (3,-1) / (-3,-3) / (-5,0) / (-2,-2) / (-2,0) / (-4,-2) /	
2.	(4,0) / (2,5) / (1,4) / (0,-3) / (6,0) / (-4,-4) / (4,0) / (-3,0) / (0,-2) / (5,0) / (-1,0) / (-4,0) / (-2,0) /	
3.	(0,2) / (3,-3) / (6,0) / (-3,0) / (-3,-2) / (0,-3) / (-2,-3) / (0,-2) / (-4,0)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

2019-05-25

minx
Scrambles for 2019-05-25

1.	R-- D++ R-- D-- R++ D-- R++ D++ R++ D++ U R-- D++ R++ D-- R-- D++ R++ D-- R-- D-- U' R++ D-- R-- D-- R-- D-- R++ D-- R++ D-- U' R-- D-- R++ D++ R++ D++ R-- D++ R-- D++ U R-- D-- R-- D-- R-- D-- R++ D-- R-- D++ U R-- D++ R-- D++ R-- D-- R-- D-- R-- D-- U' R-- D++ R++ D++ R-- D-- R-- D-- R++ D-- U'	
2.	R-- D++ R++ D++ R++ D++ R-- D-- R-- D++ U R++ D-- R-- D++ R-- D-- R++ D-- R-- D++ U R++ D-- R++ D-- R-- D-- R-- D++ R++ D++ U R-- D++ R-- D++ R++ D++ R++ D++ R-- D++ U R-- D-- R-- D++ R++ D++ R-- D++ R++ D++ U R-- D++ R++ D++ R-- D-- R-- D-- R++ D++ U R-- D++ R++ D-- R-- D-- R++ D++ R-- D-- U'	
3.	R++ D++ R++ D++ R-- D++ R++ D++ R++ D-- U' R-- D-- R-- D-- R-- D++ R-- D++ R++ D++ U R++ D++ R-- D++ R-- D-- R-- D-- R-- D++ U R++ D-- R-- D++ R++ D-- R-- D++ R++ D++ U R++ D-- R-- D-- R-- D-- R-- D-- R++ D++ U R-- D++ R++ D++ R++ D++ R++ D-- R-- D++ U R++ D-- R-- D++ R-- D-- R-- D-- R-- D++ U	
4.	R-- D-- R++ D++ R-- D++ R++ D-- R++ D++ U R++ D-- R++ D++ R++ D-- R++ D-- R++ D-- U' R++ D-- R-- D-- R++ D++ R-- D++ R++ D++ U R-- D-- R++ D++ R++ D-- R-- D++ R-- D-- U' R-- D-- R-- D++ R++ D++ R++ D++ R++ D-- U' R++ D-- R++ D++ R++ D-- R++ D-- R-- D++ U R++ D++ R++ D++ R++ D-- R-- D++ R++ D-- U'	
5.	R-- D++ R-- D++ R-- D++ R-- D-- R++ D++ U R-- D++ R-- D++ R-- D-- R-- D++ R-- D++ U R++ D-- R++ D++ R-- D-- R++ D++ R++ D++ U R++ D-- R++ D-- R-- D++ R++ D++ R++ D++ U R++ D-- R++ D-- R++ D-- R-- D++ R++ D++ U R-- D-- R++ D++ R++ D-- R-- D++ R++ D++ U R++ D-- R++ D++ R++ D-- R-- D-- R++ D++ U	

clock
Scrambles for 2019-05-25

1.	UR2- DR3+ DL0+ UL1- U5+ R2- D1- L4+ ALL2+ y2 U1- R0+ D0+ L1+ ALL4+	
2.	UR5+ DR4+ DL2- UL4- U4+ R4- D2- L1+ ALL2- y2 U1+ R6+ D3- L3+ ALL1- UL	
3.	UR3+ DR4+ DL0+ UL2+ U2+ R1+ D1+ L1- ALL2- y2 U2- R5- D6+ L1+ ALL5- DL	
4.	UR2- DR5- DL4+ UL3+ U3- R1- D4- L2+ ALL1- y2 U5- R5+ D5- L5- ALL4- UR	
5.	UR3+ DR3+ DL4- UL5- U3+ R5+ D4+ L5+ ALL3+ y2 U6+ R5- D3- L0+ ALL3- UR DR 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	R	U	B	L	D
Counter-clockwise	F'	R'	U'	B'	L'	D'
Double	F2	R2	U2	B2	L2	D2
Rotations						
Clockwise	[f]	[r]	[u]	[b]	[l]	[d]
Counter-clockwise	[f']	[r']	[u']	[b']	[l']	[d']
Double	[f2]	[r2]	[u2]	[b2]	[l2]	[d2]

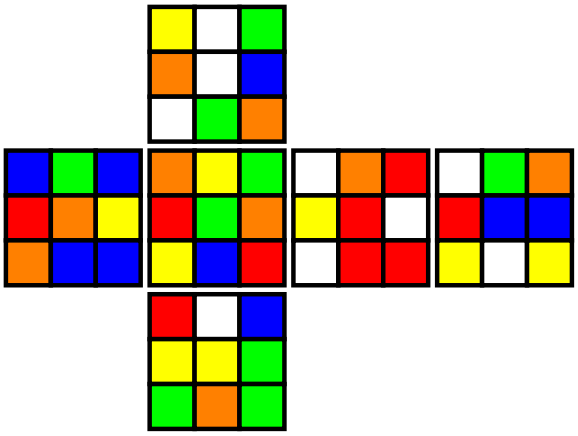
Scrambles for 2019-05-25
333fm

Competitor: _____

WCA ID: __ __ __ __ __ __ __ __ __ __

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

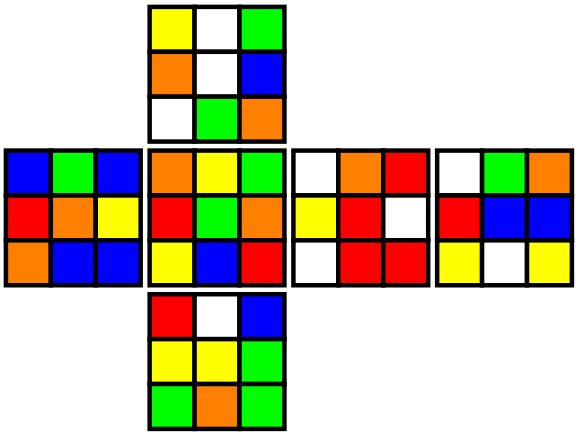
Scrambles for 2019-05-25
333fm

Competitor: _____

WCA ID: __ __ __ __ __ __ __ __ __ __

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



Scramble: R' U' F L2 B2 D2 R' D2 L' F2 U2 R F2 D L2 B' D L R2 U2 L2 F D R' U' F

____	____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____	____
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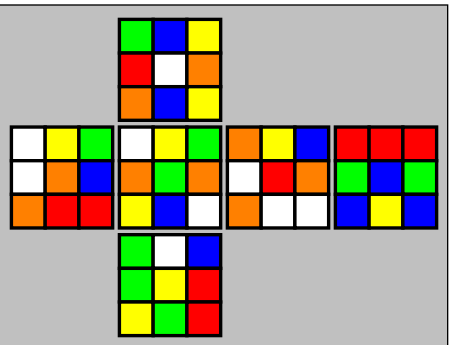
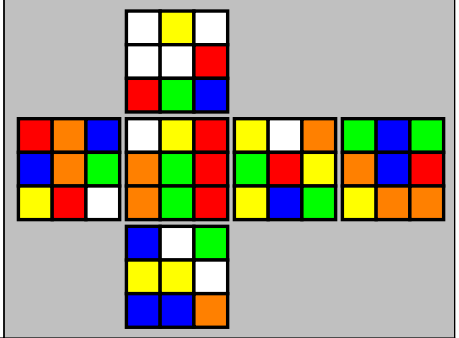
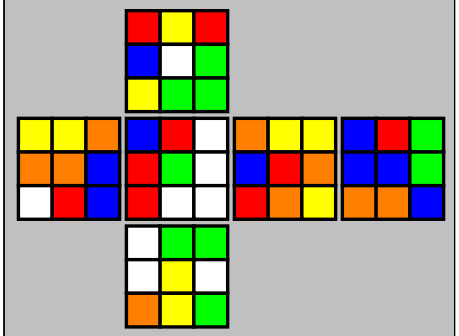
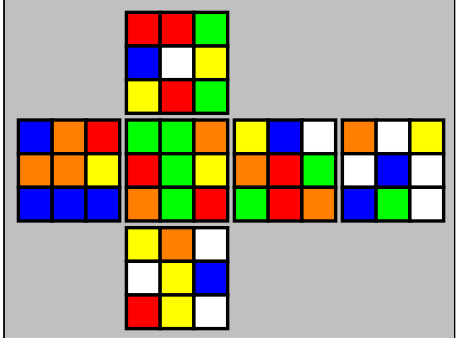
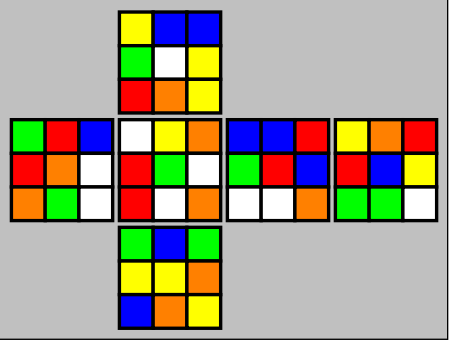
____	____	____	____	____	____	____	____	____	____
____	____	____	____	____	____	____	____	____	____

2019-05-25

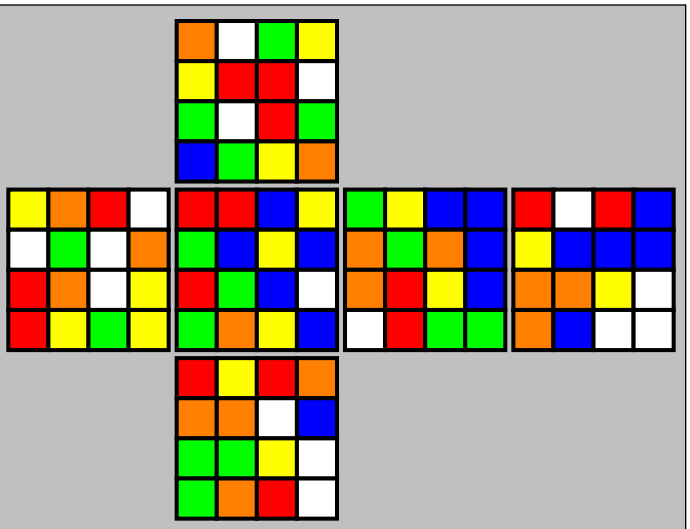
333ft
Scrambles for 2019-05-25

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

444bf
Scrambles for 2019-05-25

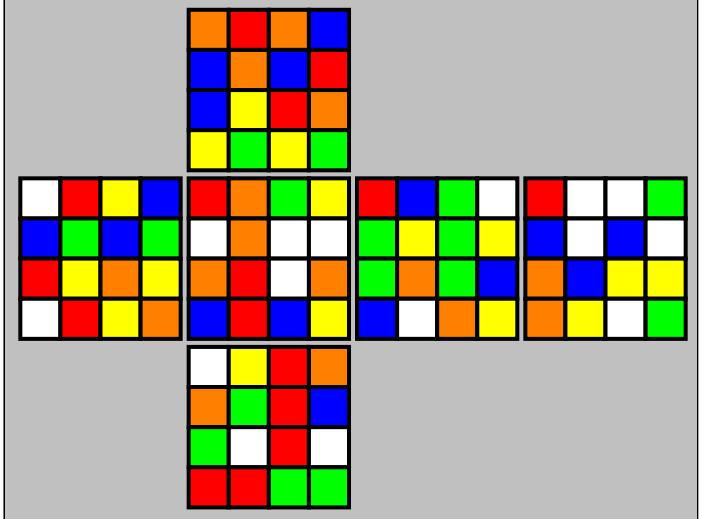
1.

R' F2 D2 B2 R2
D2 L B2 R F2
L D B' L2 D2
R' F B2 L U2
Rw2 F Rw2 U Rw2
Uw2 Fw2 U L2 B2
U Rw F B2 R
U F2 Fw Rw' Uw2
L2 U' Fw Uw y



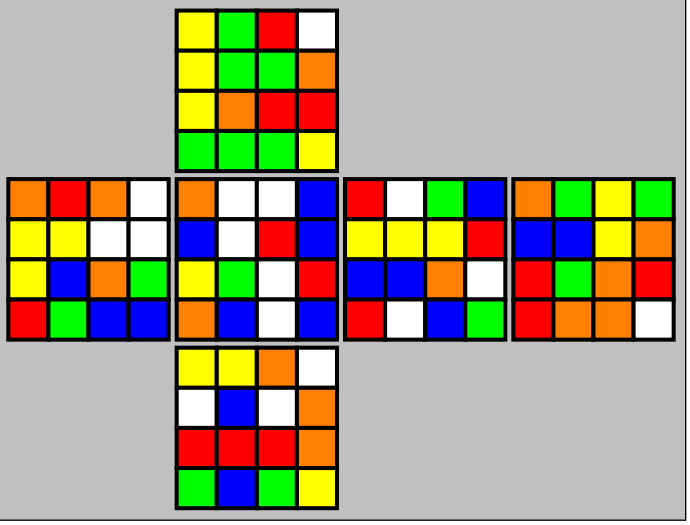
2.

F2 U2 F2 L2 U2
L2 B' U2 B' L2
F' U' L B' D'
B' R' D' L2 F'
L Uw2 Rw2 U' R2
Fw2 U D2 F' Rw2
L2 F R2 U' Rw'
R F L' Fw2 D'
Fw' R2 Uw Rw F
L2 B x2 y2



3.

L B2 U2 R2 B2
D2 R L2 F2 U'
F2 R D R2 B'
L' B2 D2 L' Rw2
Uw2 U' B' L2 Uw2
B Uw2 D2 R2 B2
Rw Uw2 U D' B2
Rw Fw' L' B Uw
L' F Uw y2

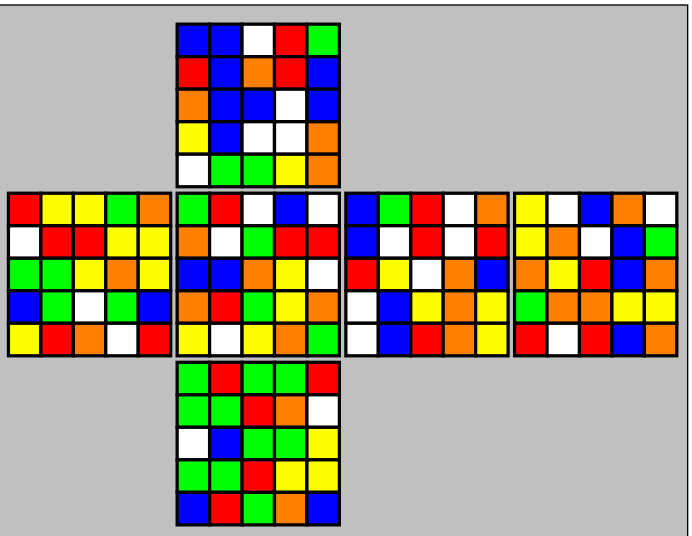


2019-05-25

555bf
Scrambles for 2019-05-25

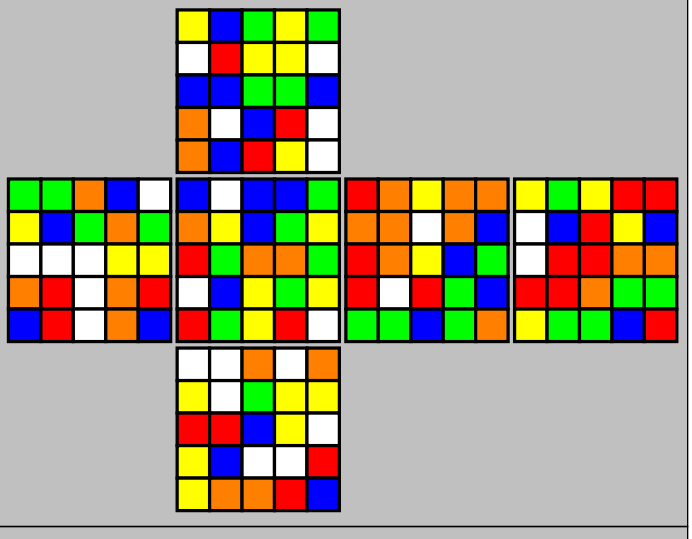
1.

B	Fw2	Uw	L'	U2
Rw'	Lw2	Dw	F'	U
Dw'	Lw'	R2	Dw'	F2
Uw'	U	Rw2	B	Uw'
Bw2	D	L2	D'	U
Uw2	R'	Bw'	Uw'	B'
L'	Rw	D2	Dw2	B'
Bw2	Fw	R	Bw	R2
B2	Dw	F2	L2	U2
Rw2	Lw	D2	F	Fw2
B2	Uw'	F'	Bw	B2
Dw	B	D'	Fw2	3Rw'
3Uw'				



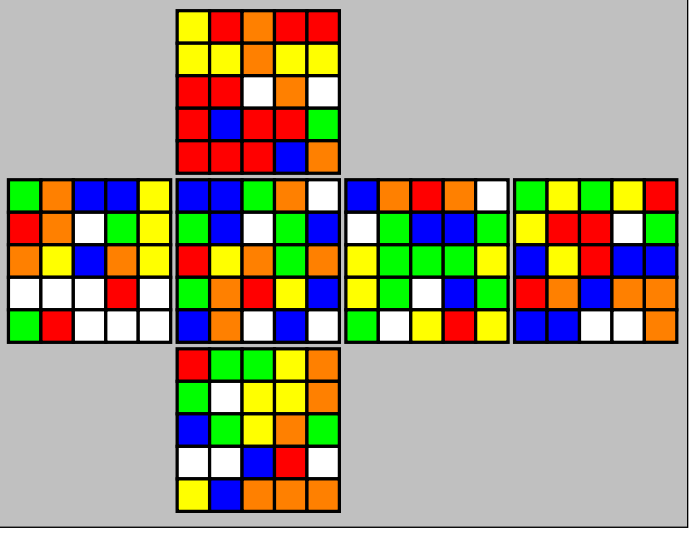
2.

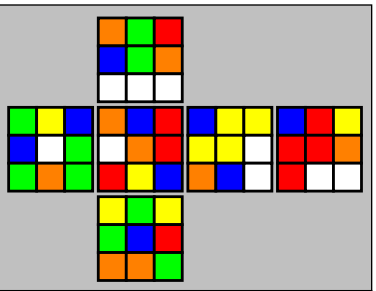
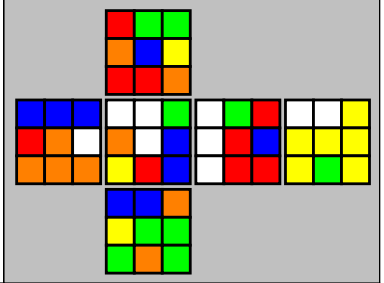
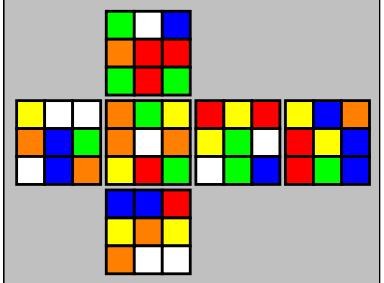
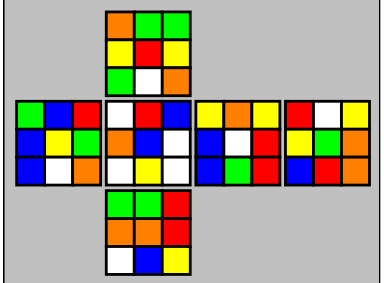
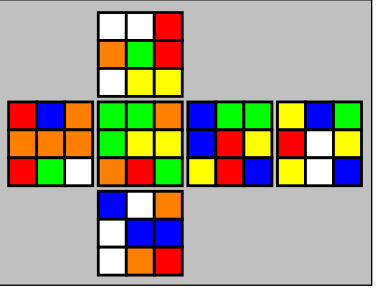
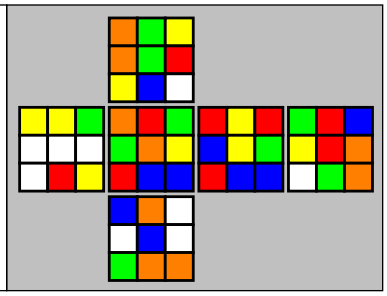
Bw'	U'	R	Rw2	U2
Uw2	Fw	U2	Rw2	U
Lw2	F	Dw'	Rw	B'
R	Uw'	Dw2	B'	Uw
Dw	Rw	Dw'	B2	Fw'
Lw'	R	Dw	B'	Dw2
R2	Rw2	Lw'	D2	B
Fw2	Lw2	Fw'	F'	B
Rw	U	L'	Rw'	Fw2
Bw'	D	Dw	Bw2	Fw
R2	Fw'	Bw2	U	Lw
L	Uw	Rw2	Lw	Uw2
3Rw	3Uw'			



3.

Fw	L'	Fw	R	Rw'
B	Rw'	L2	Dw'	D2
Rw	D'	R2	Fw	L'
Uw2	D2	Lw	B'	F2
Rw	R'	Dw	Bw2	B'
U'	L'	Dw'	Rw	Bw2
Lw	L2	F'	Bw'	Dw
U2	L	R2	Uw'	U'
Dw'	L	B	D'	Rw'
Fw	R	Dw'	U	Lw2
D2	Bw'	B2	U	D'
R2	B	Uw2	Rw'	D
3Uw'				



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

6.	D' F2 D F2 L2 B2 U' B2 D2 L B2 D L B2 L' F U F' L D2 Rw Uw'