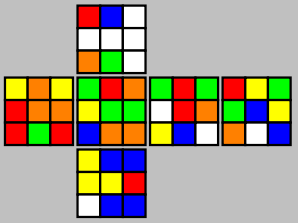
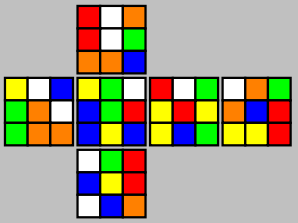
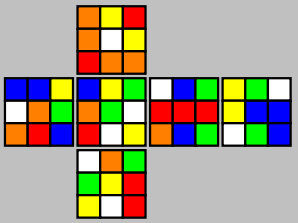
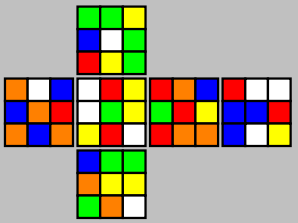
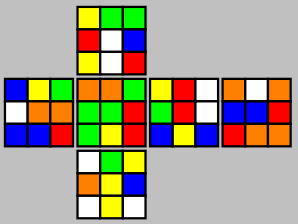


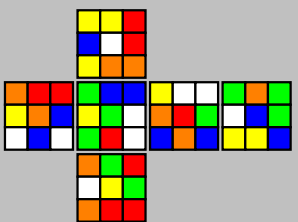
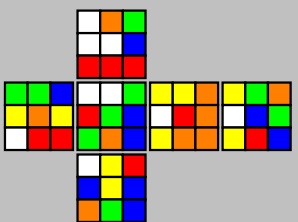
Scrambles for 2022-11-09

2022-11-09

3x3x3 Round 1

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

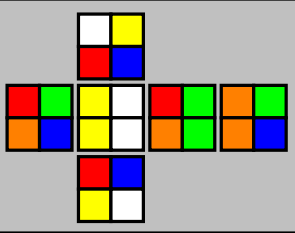
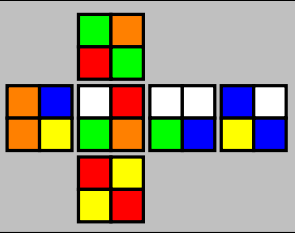
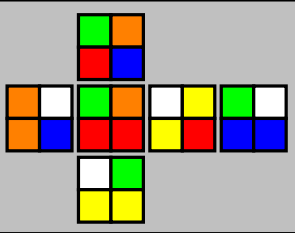
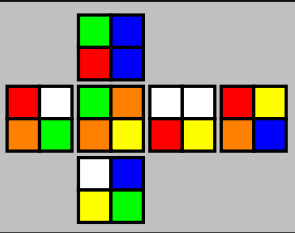
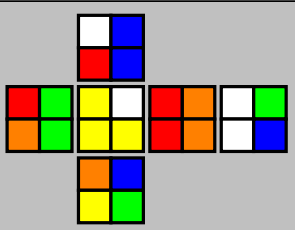
Extra Scrambles

E1	D U R2 F2 D' R2 U2 R' D2 F' R U F' D U R B' U2	
E2	B D2 R' F D' L2 D' L2 U F2 D' R' F R2 D' B2 R2 U	

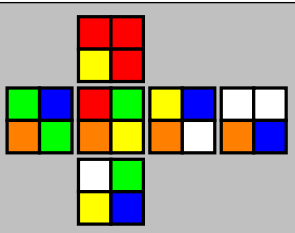
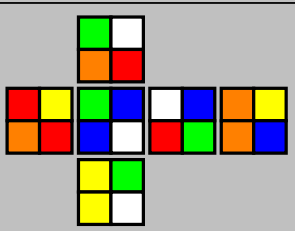
Scrambles for 2022-11-09

2x2x2 Round 1

2022-11-09

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

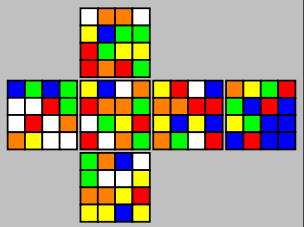
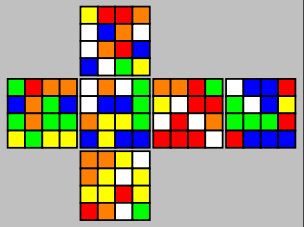
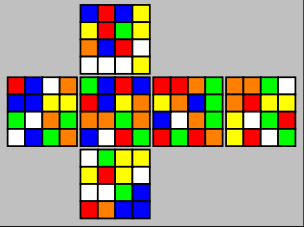
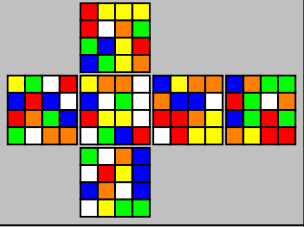
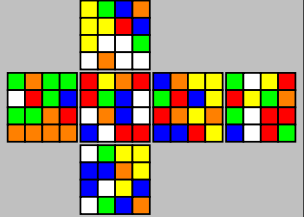
Extra Scrambles

E1	U R' U' F U' F R' F U F R	
E2	U' R' F' U2 R U' R U2 R2 F' R2	

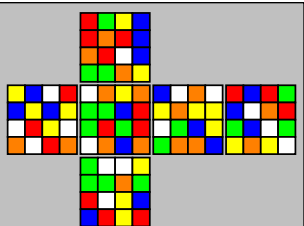
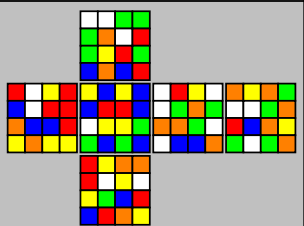
Scrambles for 2022-11-09

2022-11-09

4x4x4 Round 1

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

Extra Scrambles

E1	D B2 L2 B2 L' F2 R B2 R' U2 B' D B' D L' D' L' B Fw2 Uw2 R Uw2 D F2 D Rw2 L U Fw' Uw2 L2 B R2 Uw B2 Rw' Fw Uw' Rw R2 U'	
E2	D R' D B' D R2 B' L F B' L2 U R2 F2 U2 R2 B2 U2 Uw2 L' F2 U' R' L' U' Fw2 Rw2 D' L' U' Fw U L' U' F2 Rw Fw L2 Uw L2 D Rw B	

Scrambles for 2022-11-09

2022-11-09

5x5x5 Round 1

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

Extra Scrambles

E1	D2	B	Lw2	F2	B2	R2	Rw'	Lw2	U	D'	Lw2	D'
	R'	Bw	U2	Uw'	Bw'	Dw2	B	Uw'	Lw'	R'	Dw2	Rw
	D	Lw'	Dw	U'	Uw'	Bw2	U2	R2	Fw2	R'	Dw	B'
	D	U	Uw'	Rw'	F'	Dw'	Uw'	R	B2	Fw2	Dw2	L'
	Bw	Fw	Dw	L'	B	Lw'	Uw2	F'	R'	Lw2	U2	F'
E2	B'	F2	Uw'	F'	L	Dw'	L2	Uw	D'	L2	Bw2	U2
	B'	D'	F	U'	R2	Fw	Rw	F2	Lw	U2	Fw2	Uw
	Fw2	D	L'	B	L'	Dw	F2	L'	D'	B'	Lw	D2
	Uw	U2	L	Rw	Dw2	D2	Bw'	F2	R2	Lw2	Dw'	R
	B2	D2	R	Uw'	D2	F'	Bw2	Lw	D'	Lw2	Fw	Dw2

Scrambles for 2022-11-09

2022-11-09

6x6x6 Round 1

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

Extra Scrambles

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

Scrambles for 2022-11-09

2022-11-09

7x7x7 Round 1

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

Extra Scrambles

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

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 R U F L D B

Counter-clockwise R' U' F' L' D' B'

Double R2 U2 F2 L2 D2 B2

Rotations

Clockwise x y z

Counter-clockwise x' y' z'

Double x2 y2 z2

Scrambles for 2022-11-09
Fewest Moves Round 1
Scramble 1 of 3

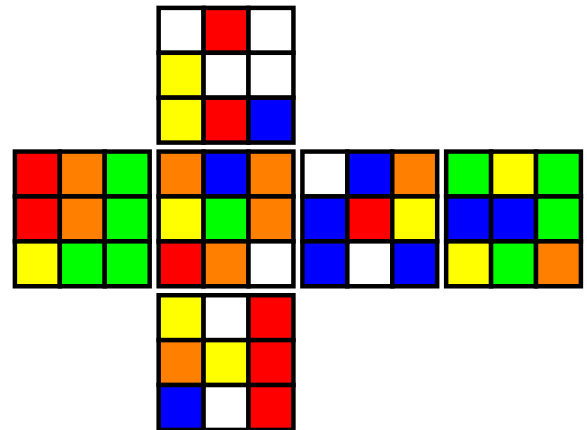
Competitor: _____

WCA ID: _____

Registrant ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

[illegible]

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 R U F L D B

Counter-clockwise R' U' F' L' D' B'

Double R2 U2 F2 L2 D2 B2

Rotations

Clockwise x y z

Counter-clockwise x' y' z'

```
Double  x2  y2  z2
```

Scrambles for 2022-11-09
Fewest Moves Round 1
Scramble 2 of 3

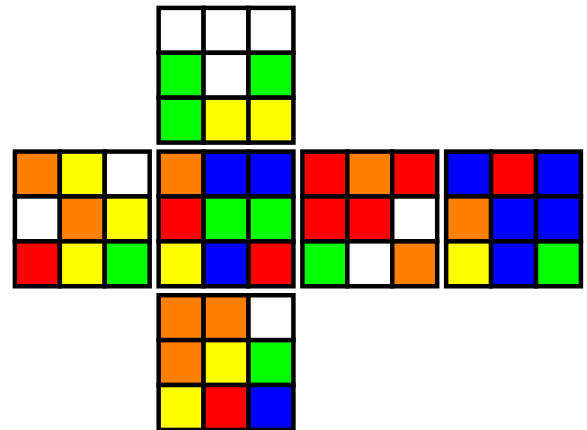
Competitor: _____

WCA ID: _____

Registrant ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

This image shows a full page of blank graph paper. It features a uniform grid of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings present.

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 R U F L D B

Counter-clockwise R' U' F' L' D' B'

Double R2 U2 F2 L2 D2 B2

Rotations

Clockwise x y z

Counter-clockwise x' y' z'

```
Double  x2  y2  z2
```

Scrambles for 2022-11-09
Fewest Moves Round 1
Scramble 3 of 3

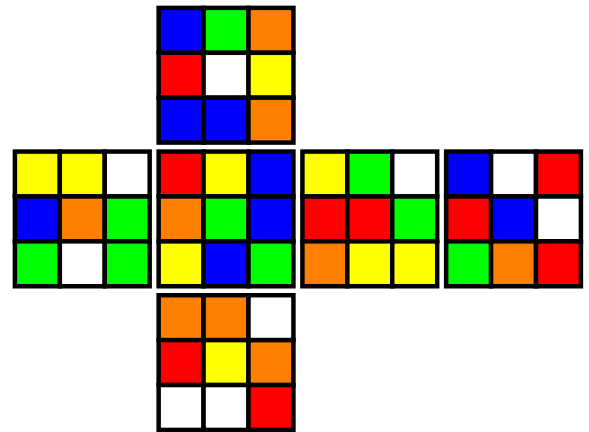
Competitor: _____

WCA ID: _____

Registrant ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____

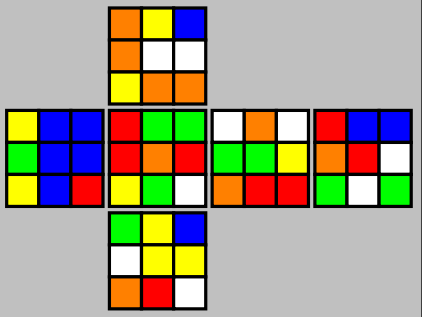
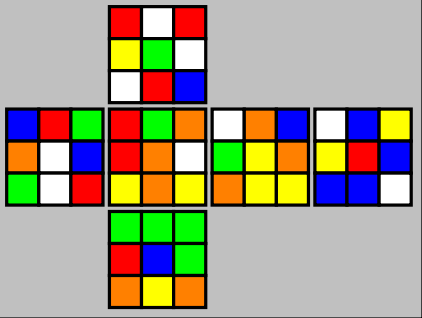
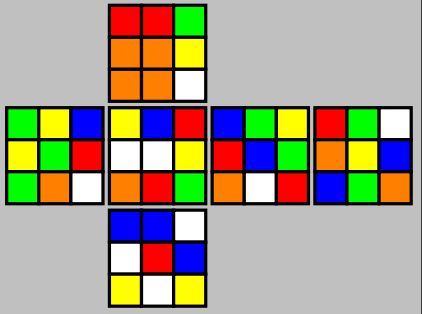


Scramble: R' U' F R2 B' F2 D R2 F2 U F2 L2 D2 U' F' D' R' B' R' F' L' D2 R' U' F

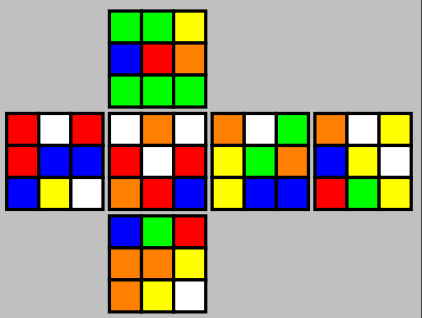
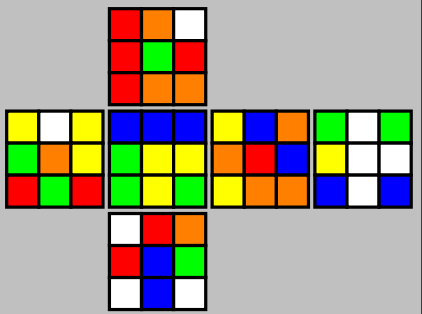
[illegible]

2022-11-09

Scrambles for 2022-11-09
3x3x3 Blindfolded Round 1

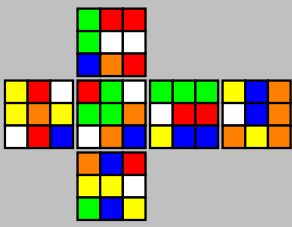
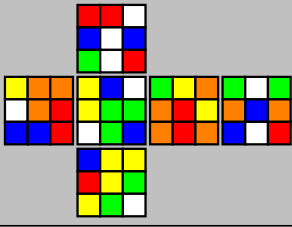
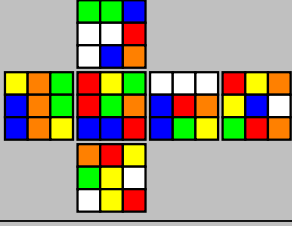
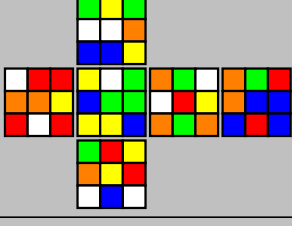
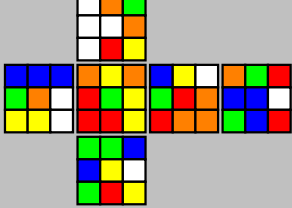
1	R' U $L2$ $U2$ $R2$ U' $B2$ $L2$ D $F2$ U B' L' D' B $U2$ $R2$ $U2$ B' Uw'	
2	$L2$ U $F2$ L B L' F' R B' $F2$ U' $R2$ $D2$ $L2$ $F2$ U' $L2$ $B2$ U $B2$ F Rw Uw'	
3	$L2$ $U2$ L' $B2$ $R2$ $B2$ $U2$ L' U B R $F2$ $L2$ $F2$ D' $L2$ U R' Fw Uw	

Extra Scrambles

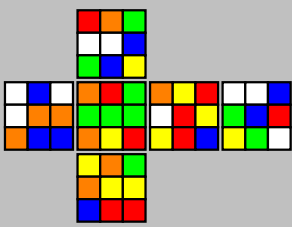
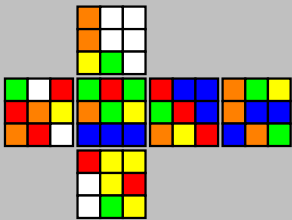
E1	D' B' D' $F2$ $D2$ $U2$ B $D2$ F $L2$ B' R' D' U B $L2$ U' L' U' Fw' Uw'	
E2	F $U2$ L' $B2$ L $U2$ $B2$ L' R' $D2$ R' F D' F' L B $D2$ U' $B2$ Rw	

Scrambles for 2022-11-09
3x3x3 One-Handed Round 1

2022-11-09

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

Extra Scrambles

E1	B2 L2 D L2 R2 U' F L' R2 D2 R2 D B' F' U	
E2	F' R2 D2 B' F2 R2 F' U2 B' U' L' D B L R F' L U L'	

Scrambles for 2022-11-09

2022-11-09

Clock Round 1

1	UR0+	DR3-	DL0+	UL5+	U1+
	R1-	D0+	L2-	ALL6+	y2
	U1-	R4+	D2+	L4-	ALL4+
	DR	DL			
2	UR3-	DR4-	DL2+	UL4-	U4+
	R3+	D5-	L2+	ALL4+	y2
	U6+	R3-	D2-	L3-	ALL0+
	UR	DR	DL		
3	UR1-	DR3-	DL3+	UL1+	U1-
	R1+	D4+	L2+	ALL4+	y2
	U5-	R3-	D3-	L3+	ALL2-
	UL				
4	UR5-	DR1-	DL5-	UL5+	U2+
	R2-	D6+	L3+	ALL1+	y2
	U4+	R3-	D2-	L1+	ALL1-
	UL				
5	UR6+	DR1-	DL1+	UL0+	U1+
	R1+	D1+	L0+	ALL4+	y2
	U4-	R1+	D6+	L2-	ALL0+
	DR				

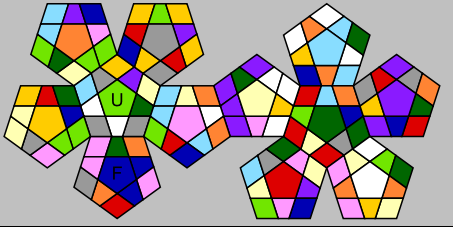
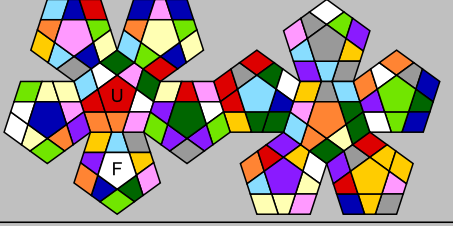
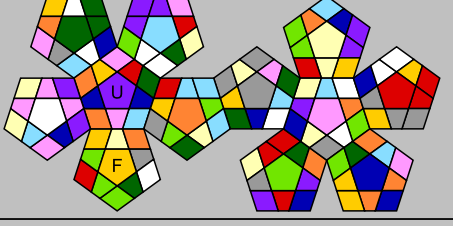
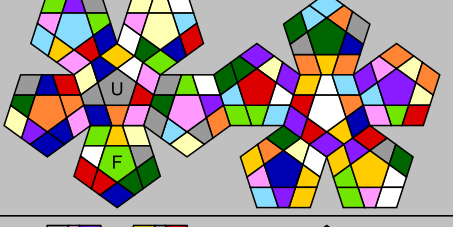
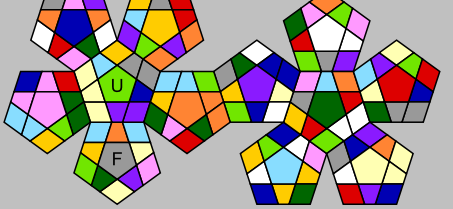
Extra Scrambles

E1	UR5-	DR3+	DL6+	UL4+	U0+
	R0+	D3-	L3+	ALL1+	y2
	U6+	R5-	D1+	L6+	ALL2+
	DR	UL			
E2	UR2+	DR2+	DL3+	UL5+	U6+
	R3+	D1-	L2-	ALL1+	y2
	U0+	R3-	D5+	L0+	ALL5+
	DL				

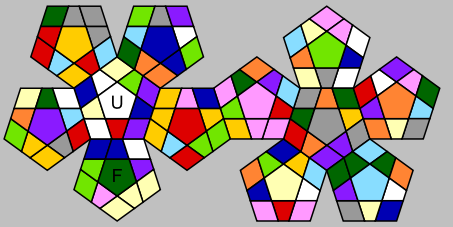
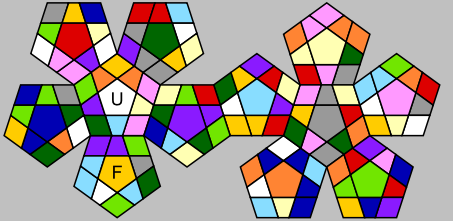
Scrambles for 2022-11-09

2022-11-09

Megaminx Round 1

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	

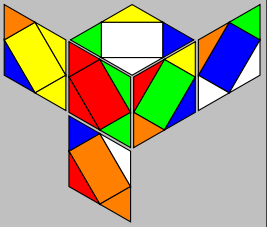
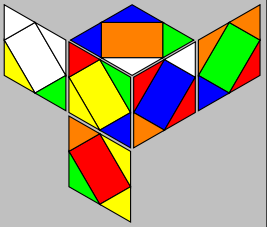
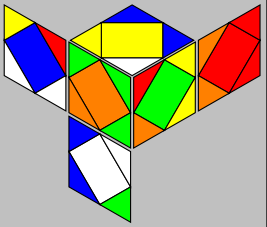
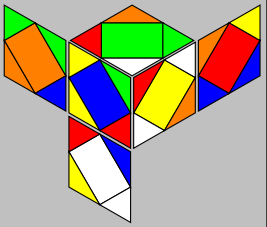
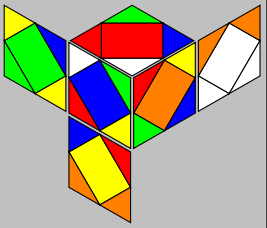
Extra Scrambles

E1	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'	
E2	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'	

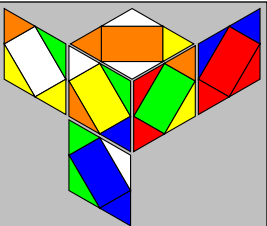
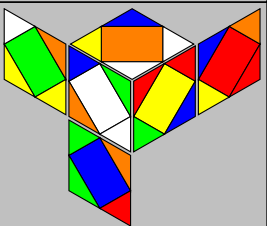
Scrambles for 2022-11-09

Skewb Round 1

2022-11-09

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

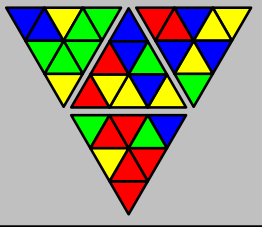
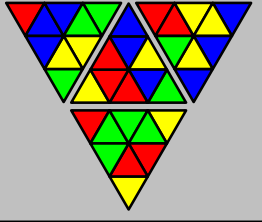
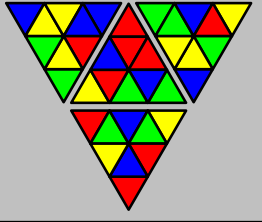
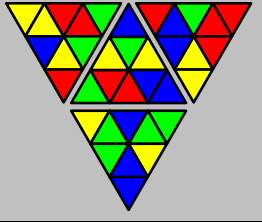
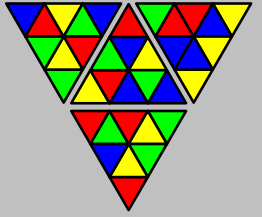
Extra Scrambles

E1	R U B' L' B U R U' L' U' L'	
E2	U B R L U R' L' R U' B' R'	

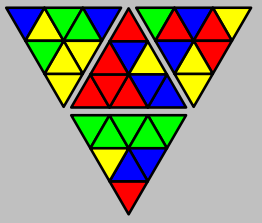
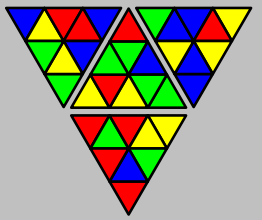
Scrambles for 2022-11-09

Pyraminx Round 1

2022-11-09

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

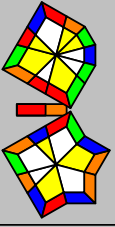


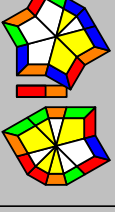
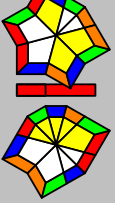
Extra Scrambles

E1	L' B L R' L' B U L R' L R u b'	
E2	B' L' U' R U' B U' B R' L' B u' l b'	

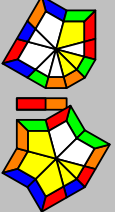
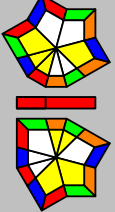
Scrambles for 2022-11-09

2022-11-09

Square-1 Round 1

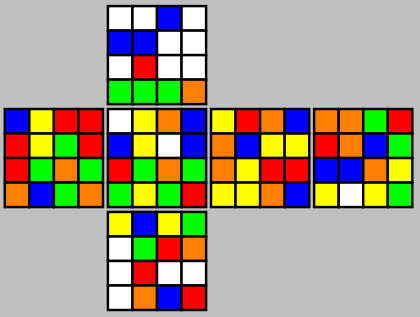
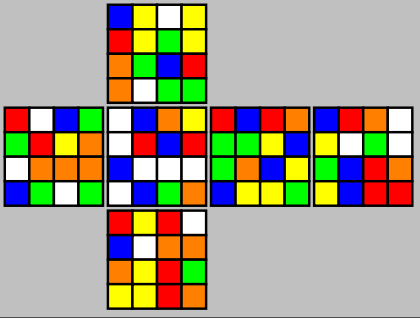
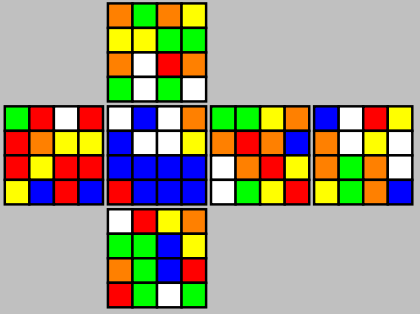
1	$(-3, -4) / (4, 1) / (-3, 0) / (6, -3) /$ $(-1, -1) / (-2, 0) / (3, 0) / (0, -5) /$ $(-4, 0) / (0, -2) / (-5, 0) / (3, -4)$	
2	$(4, 3) / (-1, -4) / (3, 0) / (1, -2) /$ $(-3, -3) / (0, -1) / (3, 0) / (-3, 0) /$ $(-3, 0) / (-1, -2) / (0, -4) / (3, 0) /$	
3	$(1, 0) / (-4, -1) / (0, -3) / (-5, -5) /$ $(-1,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

Extra Scrambles

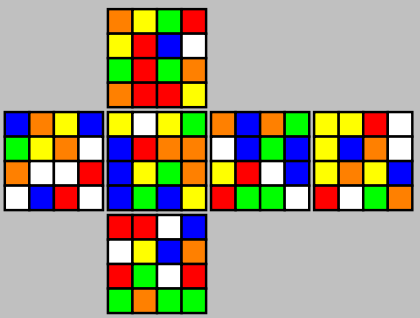
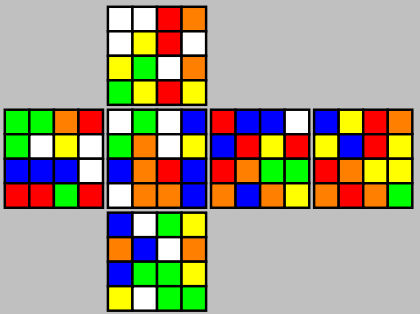
E1	$(-2, 0) / (6, 3) / (5, -4) / (4, -5) /$ $(-4, -1) / (1, -3) / (0, -3) / (5, -2) /$ $(-4, 0) / (1, -4) / (2, 0) / (6, 0)$	
E2	$(-2, 0) / (2, 2) / (0, -3) / (-3, 0) /$ $(3, 0) / (4, -5) / (3, -1) / (-3, -3) /$ $(-5, 0) / (0, -2) / (2, -4) / (4, -2) /$	

2022-11-09

Scrambles for 2022-11-09
4x4x4 Blindfolded Round 1

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

Extra Scrambles

E1	D2	B'	U2	L2	B2	L2	F'	R2	
	B'	R'	D	F	L2	D2	L'	U'	
	B'	U2	L	U'	Fw2	R'	F	Uw2	
	F'	U2	F2	Uw2	Rw2	Fw2	L'	Fw2	
	F	R2	Uw	D2	L'	U2	Fw'	Rw'	
	D2	F	U	Fw2	Uw'	R2	x2	y2	
E2	F2	D2	L'	D2	F2	L	D2	U	
	B	R'	D2	F2	L2	B2	L	B2	
	D2	L2	U2	F2	Rw2	D'	F'	Uw2	
	F	U2	Fw2	R2	D'	R2	B'	Rw	
	F	D	Rw2	Uw2	F2	Rw'	Fw'	L'	
	Uw	Fw	D	Rw2	x'	y'			

Scrambles for 2022-11-09

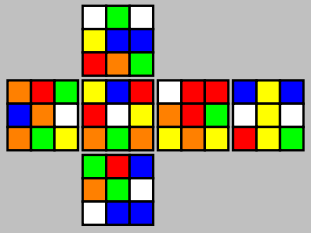
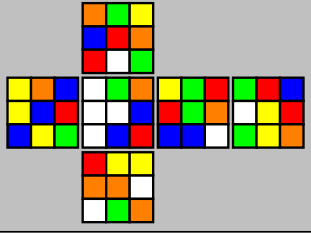
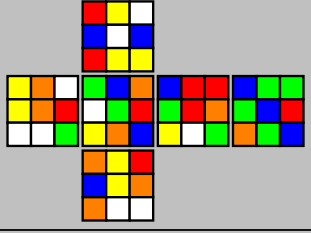
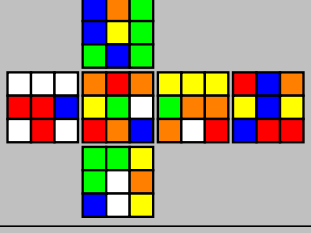
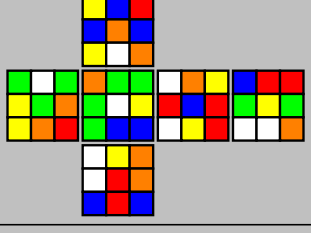
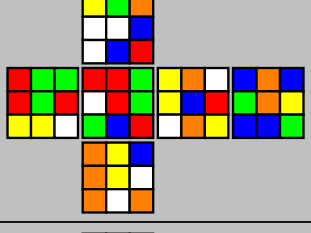
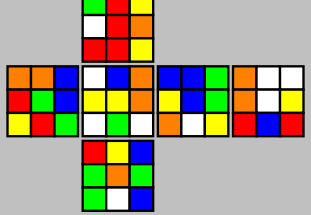
2022-11-09

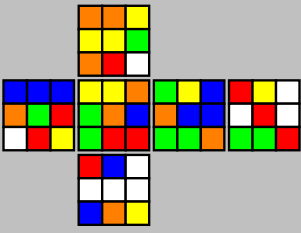
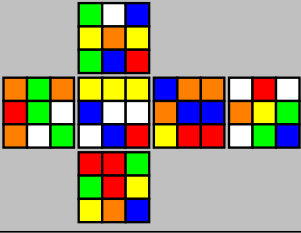
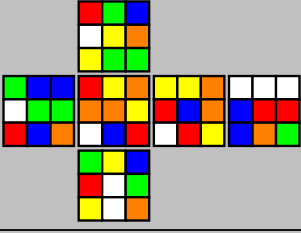
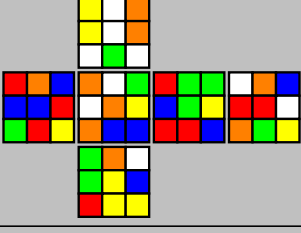
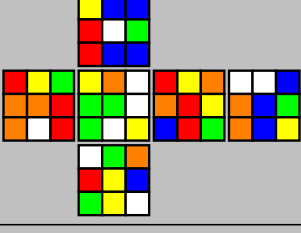
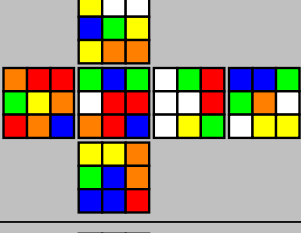
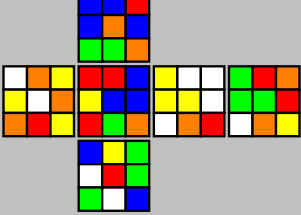
5x5x5 Blindfolded Round 1

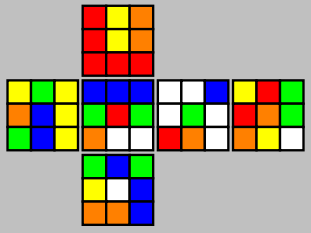
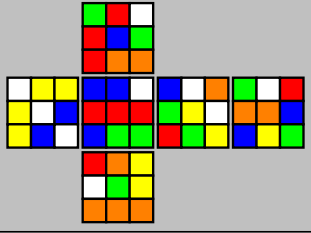
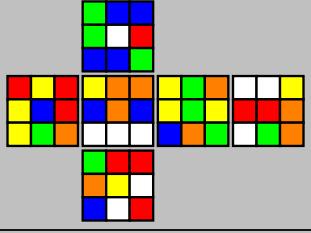
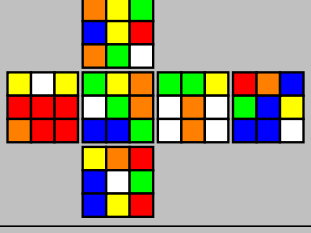
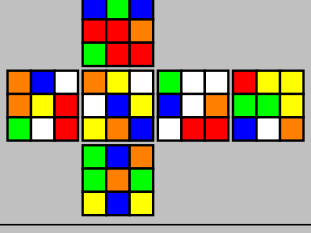
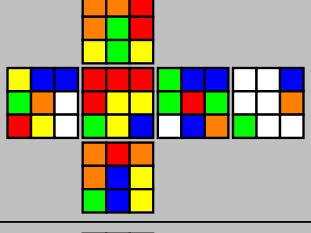
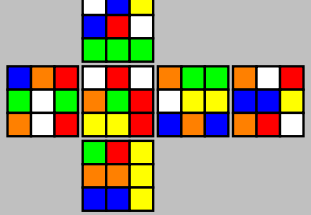
1	D2	Lw	L	Fw'	Uw2	Lw2	Dw2	Bw2	
	Rw	F2	U2	Bw'	L	Uw2	Fw'	Dw'	
	Uw'	L	Rw2	Lw	U	Dw	F'	D'	
	Rw	D	Fw'	D'	F'	Dw	Fw	Bw	
	Uw'	D'	Fw	U	Rw	L'	Uw	Rw2	
	F	Uw	Fw'	Uw'	Lw'	Fw2	F2	Uw'	
	Dw'	Rw2	Fw	Uw	Fw2	D	Rw'	R2	
	Lw2	L2	U'	Dw	3Rw2	3Uw			
2	U'	F2	Bw2	Fw	Uw2	Dw	Bw	Uw	Fw
	L	Bw	L2	U	D2	Rw'	B2	Fw2	R2
	U	F2	Fw'	D	Bw2	F2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

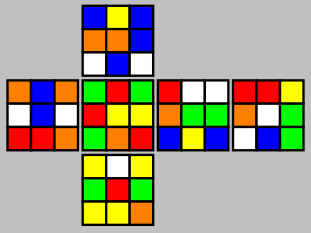
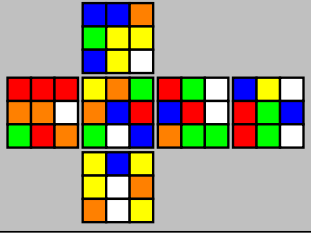
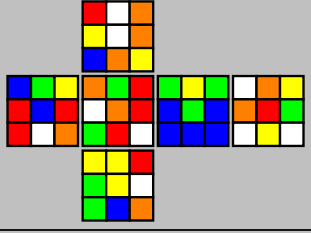
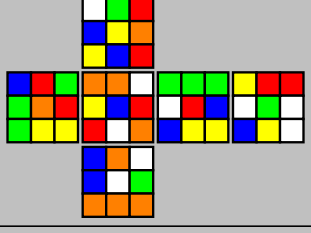
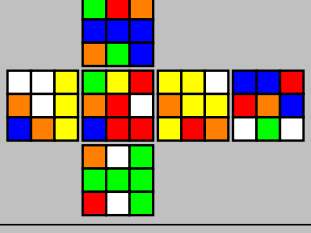
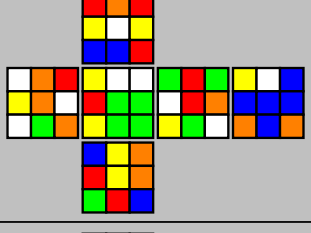
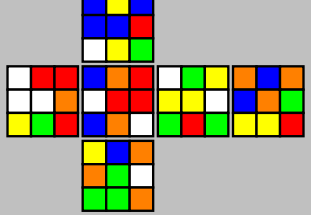
Extra Scrambles

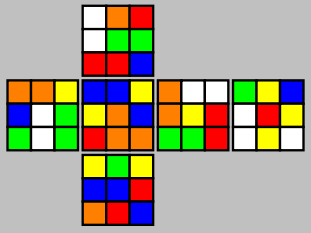
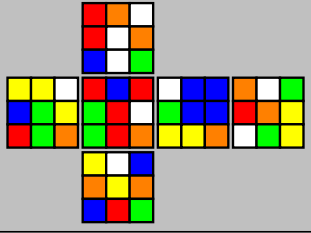
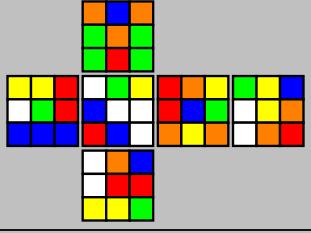
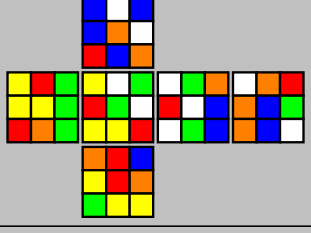
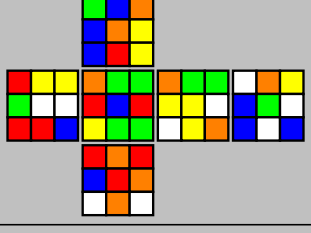
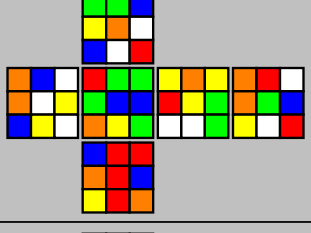
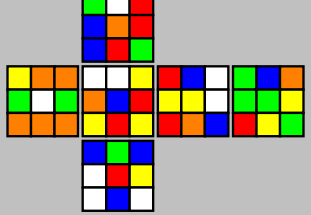
E1	B'	U2	F'	Lw'	R2	Uw	B	Rw	
	Lw'	B	R'	Fw	Rw2	R'	L'	U2	
	R'	Bw2	Fw'	B	Uw	Fw'	F'	D2	
	B'	R	U2	F2	Dw'	Fw	Dw'	L	
	Fw	R'	Bw'	F	Lw2	B2	Uw2	Bw	
	Uw2	Lw	F	U'	Fw2	L2	Lw	D'	
	F	D'	L'	Lw'	Dw2	D	U	Fw'	
	L2	D	Lw	D2	3Uw2				
E2	F2	Dw'	Uw2	Lw	F2	D'	L	Fw'	
	Lw'	R	B'	Bw	U2	R'	U2	Fw'	
	F'	Uw	Rw	F'	Uw'	Fw2	F	B	
	R	Rw'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

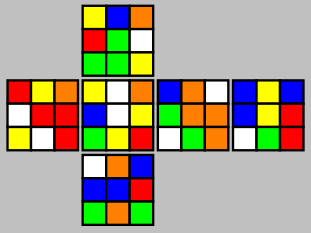
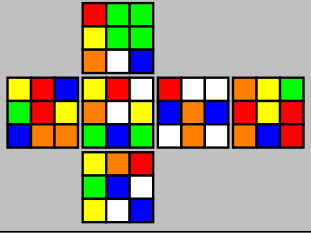
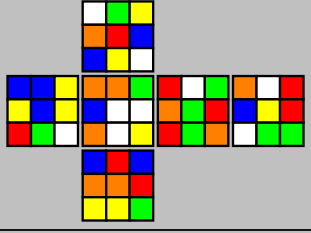
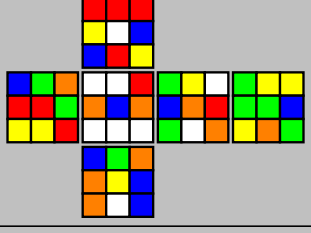
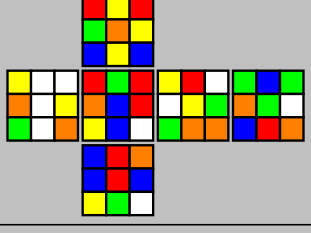
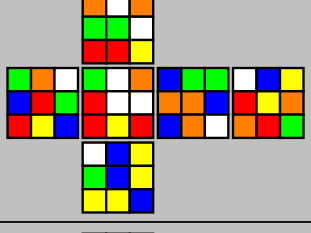
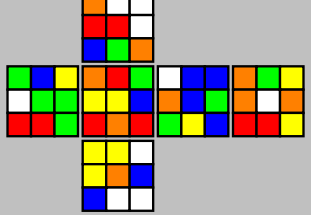
1	L' D2 L' D' L2 D' F2 R2 U2 L2 U L' B' D B D' R2 D F2 Rw'	
2	U L B2 R' L' B D2 L' F B' L' R2 B2 U' R2 U2 R2 D' R2 Fw' Uw'	
3	L' D' R' F2 D2 U' L2 B2 D2 U' B2 R D2 F L2 R2 D' U' R2	
4	D' R U' F2 D2 R' U B' D' F2 D2 R U2 L2 D2 F2 R D2 Rw2 Uw2	
5	B2 L2 D2 R2 U R2 U' F2 D L' U B' F D B' R F2 L B' R2 Fw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

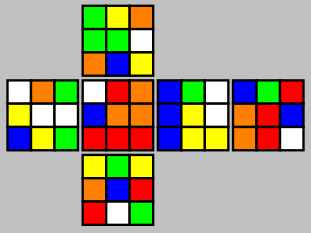
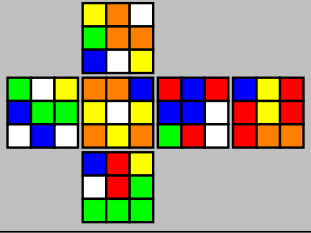
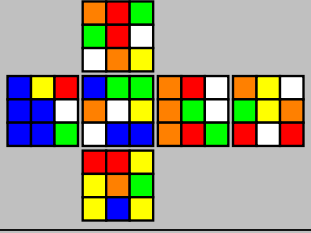
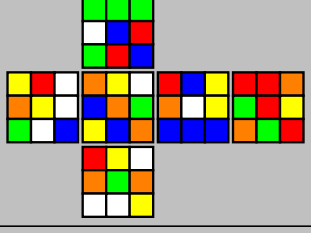
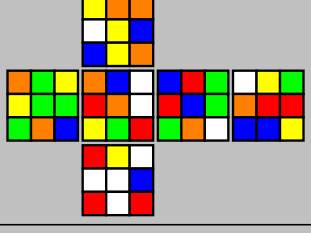
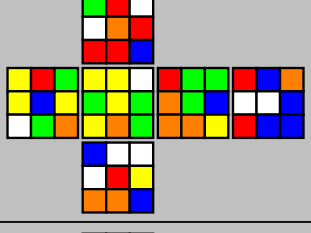
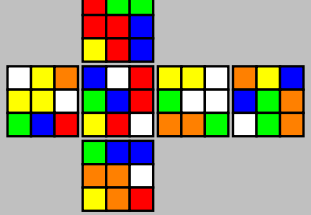
8	B2 L' F L' D2 B2 U' L' F' D' R2 D F2 R2 U D R2 F D2 Rw2 Uw'	
9	U B R F D L B L U2 D' R U2 R2 U L2 D2 B2 U D Fw Uw	
10	D2 B' U L R' D2 B2 D2 L B2 L' B2 R2 F D F2 L D L' F' Rw2 Uw'	
11	B2 D2 F B2 L2 U L2 D' B2 D' U L' F2 U2 B' R D2 U' L' Uw'	
12	U R2 B' F2 R2 D2 B' U2 R2 L' B U2 B2 U' R F U R2	
13	D2 L2 D L2 B2 D B2 R2 U2 F' R D' F2 L' D B F' U2 L2 D' Rw Uw	
14	R D F' B2 D F B L2 D' U2 R D2 R L B2 L' D2 R2 U Fw Uw2	

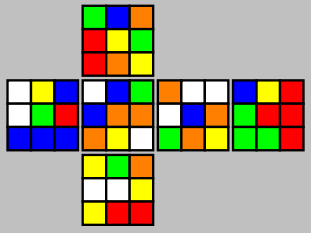
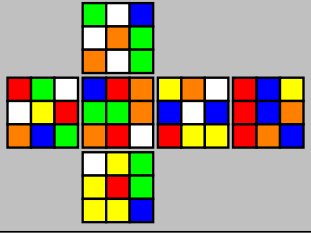
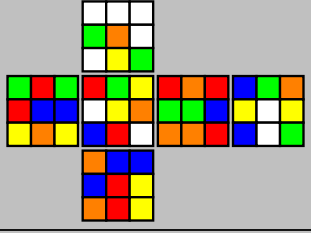
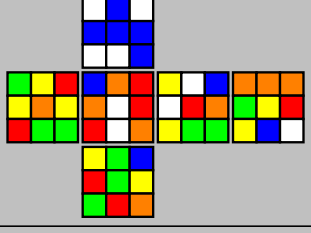
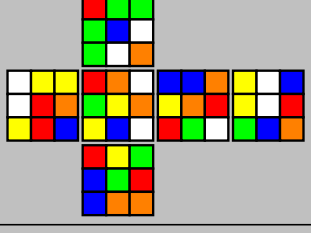
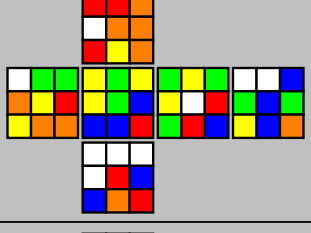
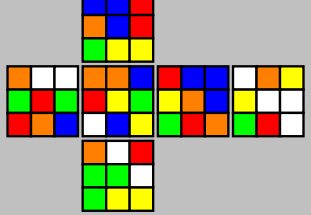
15	U' L B2 L' F' D' L B R' B D B2 D2 L2 D2 F R2 F' B' Rw2 Uw	
16	F' L F2 U F' L' D' U2 F2 L' F2 D2 R' L' B2 U2 R B' U2 Rw' Uw	
17	D B2 D L2 R2 U' B2 F2 D B' L U' R D B F' U2 F' U B Uw'	
18	U2 B F2 L2 D2 B' U2 R2 U2 L' D2 F R' B2 F D' L U2 R2 U2 Rw2 Uw2	
19	L F L' F2 L' R2 U2 L2 D2 F2 D2 L U R2 B' F' D' L' R D' Fw' Uw2	
20	U' F2 L F2 R U2 L D2 R B L D' F2 L U' B' F D' B' Rw	
21	U2 B2 R U2 L2 D2 U2 L F' D' B R' B U2 L' B F' U L2 Fw'	

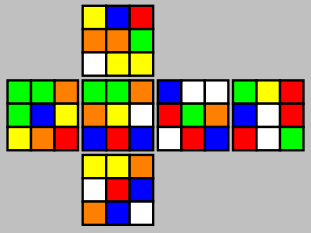
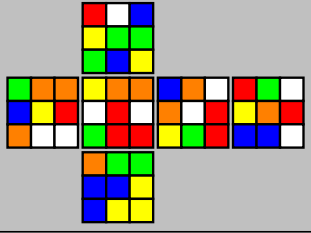
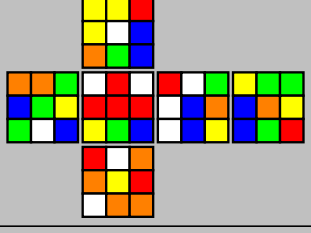
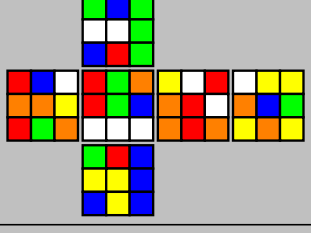
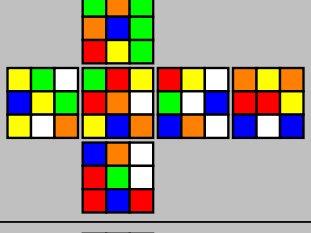
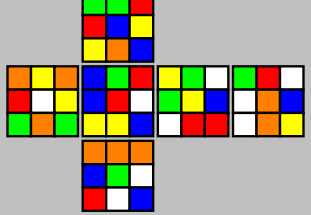
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23	U' L B2 R' F2 L' U2 F2 R D R F U2 B' D' B F2 R2 D Rw2	
24	F L2 R2 U2 F' L2 F D2 B U2 L' F' D' U2 B' D' R' D U2 L Uw'	
25	R F2 U2 R' D2 R' D2 L F2 U L' U R F L R B' D L' F' Rw2	
26	F2 R' F' B' D2 F' U L2 D2 B' R2 L2 F' U2 B D2 L' B D2 Rw' Uw	
27	B' F2 D2 R2 B2 R2 D R2 D B L2 R' D2 R' B D F2	
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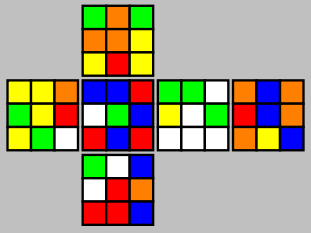
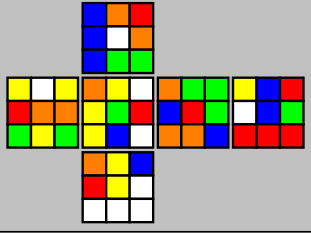
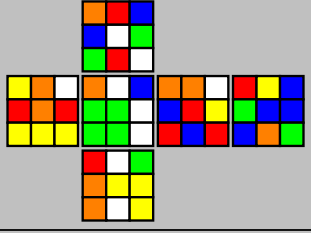
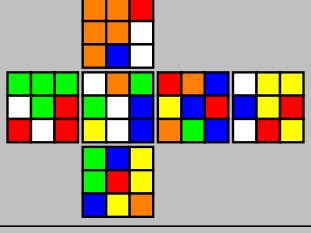
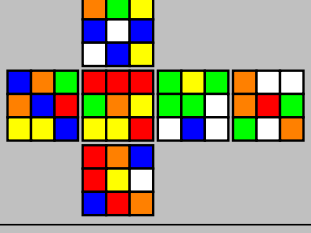
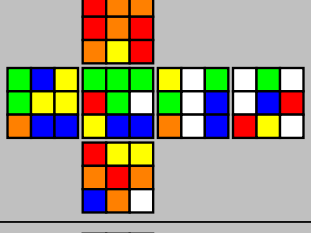
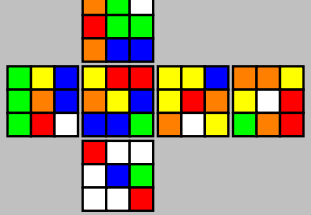
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30	R2 D' L2 U R2 U' F2 D' B D F' L2 R B R2 U2 R2 D2 R Uw	
31	F2 D B R2 U2 F' L2 B U2 B' L2 U' L' R2 D2 F' U' L B' L Fw Uw	
32	B U2 R2 B2 D2 F' R2 B2 F' R2 U B2 L2 U' R' B' L' D' B2 U2 Fw	
33	L' B' L' F2 U L2 R2 F2 D2 U' F2 L2 F' L2 R B F D' F U2 Fw Uw2	
34	R F U B2 L2 B2 R2 B' U2 F L2 U2 L' F' R B' D2 B' R Fw Uw2	
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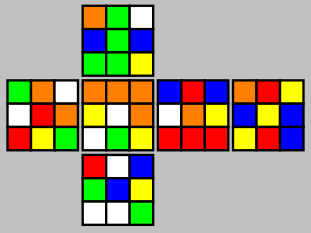
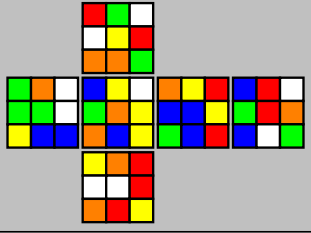
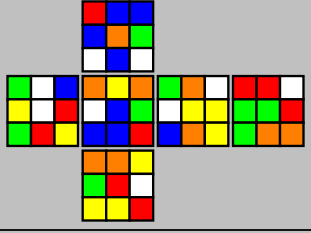
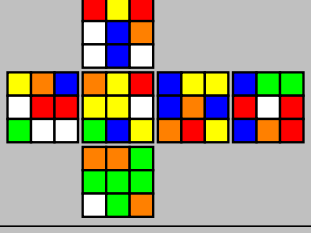
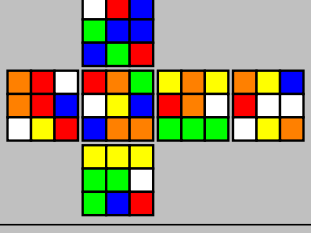
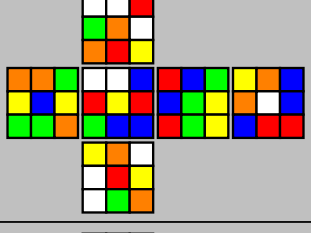
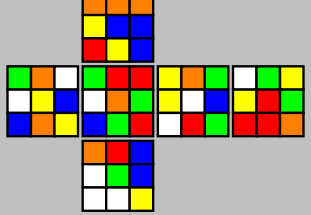
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2	F' D2 L	L L2 R	F2 U U'	U B F	B2 D' Rw	D2 B' Uw2	L2 R 	B2 F 	
3	D' R2 L	L' U2 R'	D R U'	R2 B Fw'	U' U2 Uw'	L2 B' 	D2 L2 	B2 D'	
4	R' L' L	L D D2	B B2 F2	D U2 Uw2	L F2 	F' R' 	L F2 	D2 R2 	
5	D U' F'	L F2 L2	U' D R2	B2 R2 D'	F2 L Fw	L2 B Uw2	R2 D' 	D2 B'	
6	B B2 U2	L F2 R	F2 R2 U	L2 B2 F2	D2 F Rw	B2 R Uw2	R2 D2 	D L 	
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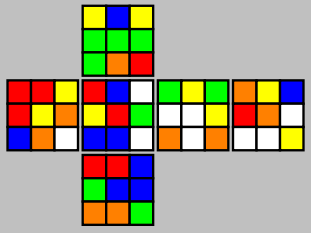
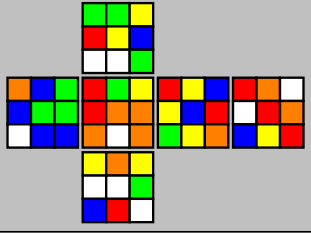
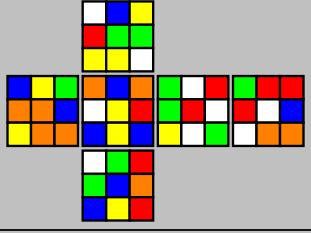
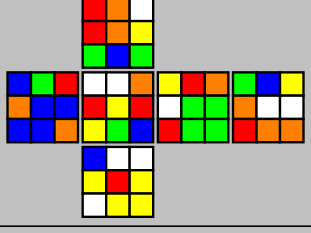
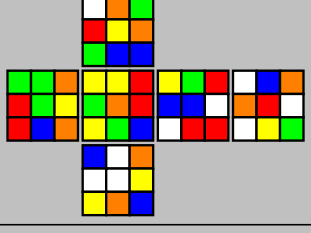
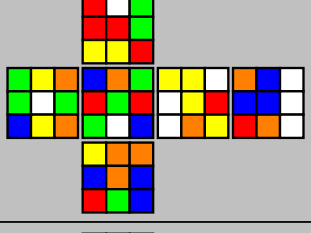
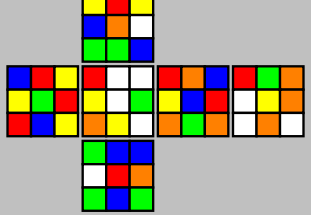
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9	U B R2 B R' B2 U2 L2 D2 L B2 U2 R' D' B D R' D L R2 Fw Uw	
10	F2 D' R2 D2 R2 B2 D L2 F2 R2 B' F' L U R2 F' D2 R' U' F R2 Fw' Uw'	
11	F' R2 F2 L2 U L2 D B2 D' U' L2 B D' R' F' D' L U B2 R' B' Rw' Uw'	
12	R D' L2 R2 F U2 B' U2 R2 F R2 F L' F D2 F' U L U Rw2 Uw'	
13	U B U B' D' R B' U2 L D2 R2 L2 F2 L2 U D2 L2 F2 U L2 Fw Uw'	
14	D' L' U2 L' U2 L2 B2 R F2 L B U' L2 F' D' B D R2 U2 Fw' Uw2	

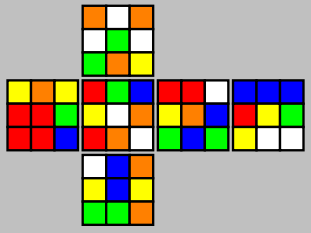
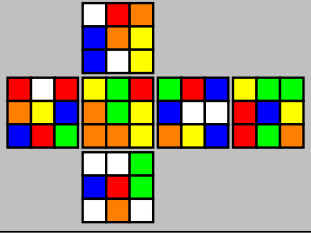
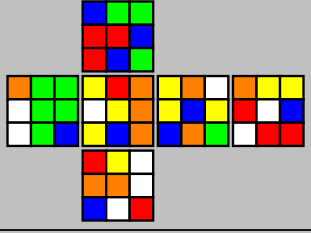
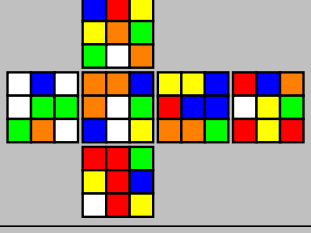
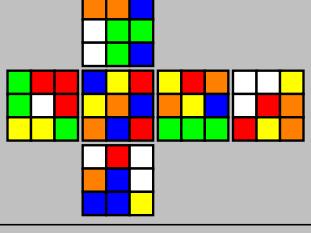
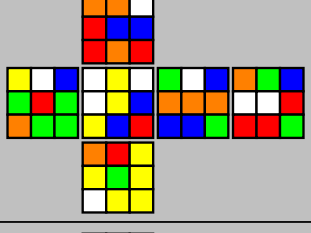
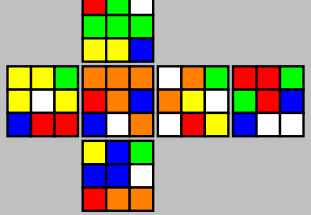
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16	B' D' B2 U' B2 R2 B2 L2 R2 B R' B2 F' L2 U' L2 U2 B2 L2 Fw	
17	U D2 R' U2 F D B U' D2 B2 U2 R2 U2 F' R2 F' B' L F' D' Fw Uw'	
18	D B' U' B' U2 F' D2 L2 U2 R2 B2 L2 U' L' R D2 B L D' Rw'	
19	R D' B2 R2 B2 F2 D U2 L2 B2 D2 R B' D' R2 U' B U2 B Rw' Uw2	
20	F D2 F2 L B2 F2 L2 B2 R U2 F2 B D' R2 B' D' L' B R2 D' Fw	
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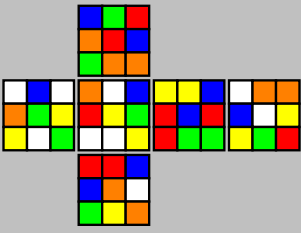
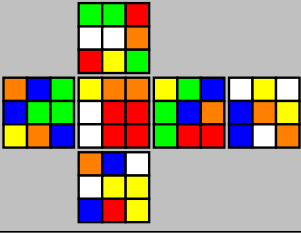
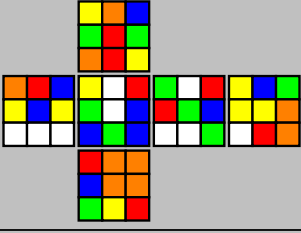
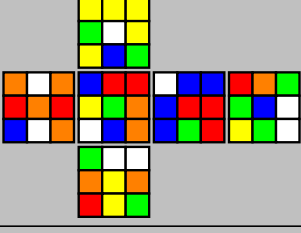
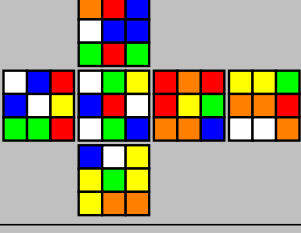
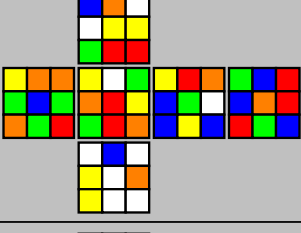
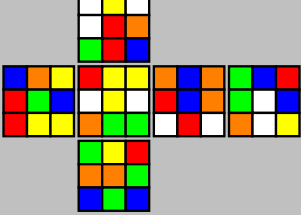
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23	F' L B' R F2 L' U B D2 F' R2 F2 R2 U' F2 U' R2 U' R2 F2 Rw Uw	
24	F' R D' L D B2 D' B2 L2 D U2 B L' B' F2 L2 D' Fw' Uw	
25	L' D2 F2 U2 L' F2 D2 R D R2 B F2 U' L2 U2 R U B Uw	
26	B2 L2 F U2 F2 U2 F D2 R F2 U2 R F U' F2 R D F	
27	B' F2 D' R2 D' L2 U F2 L2 U' B' U' L2 D L R' B L' U Rw' Uw'	
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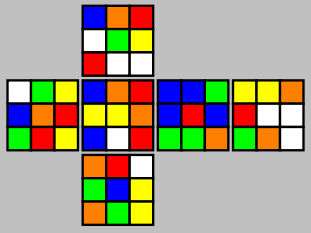
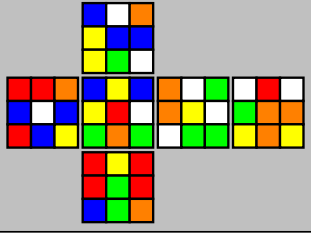
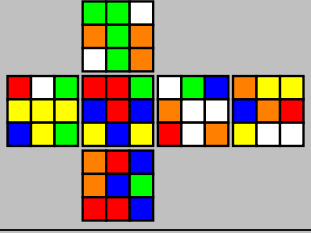
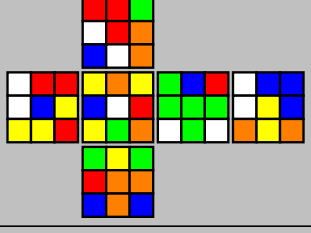
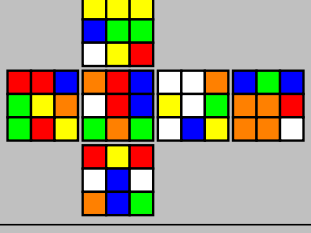
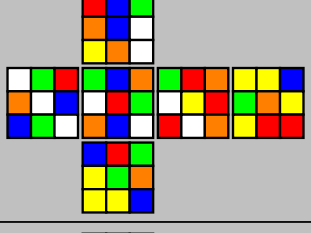
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31	L B2 D2 B D2 U2 R2 D2 B L2 U2 F L B2 F U2 F2 R2 D F'	
32	U2 R' U B R L' B2 D' F2 B2 R B2 R2 L' U2 L2 D2 B' U Fw Uw	
33	R2 U L' B' R2 B L2 U2 B L2 B U2 D' R B U R D L F Uw'	
34	F2 R2 F' B2 R2 D' R2 D2 U' F2 D F2 B R B' D U R' B' R2 Fw	
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2	F2 U' B D2 F' L2 B' L2 F2 R2 F U2 R' F2 L' B' L2 U' B Rw2 Uw'	
3	R2 B D2 F2 L2 D2 R B2 U2 L F R F2 U2 L' D' F U Fw Uw2	
4	R B' L B2 L2 F2 U' R2 B2 U' B2 R2 D2 B L R U' B F D2 Rw' Uw2	
5	B' R2 B2 D2 F2 D R2 B2 U2 L B2 L' B' F' L D B2 F2 Rw' Uw2	
6	D2 L B D2 F2 L' F L2 D U2 R' B2 R F2 B2 L U2 B2 L Fw Uw'	
7	D2 R B' D2 L2 D2 R2 U2 B2 F' L2 U2 F2 L' B2 U L R2 U B' Rw' Uw'	

8	B2 D B F2 D B2 U B2 F2 U2 B2 U2 L F U' R' U2 R' B Rw Uw	
9	L2 F2 D2 U2 L2 R B2 F2 U2 F2 U F R F L2 U B R' B2 Rw2 Uw'	
10	F D2 B2 R B2 D' B2 L2 D R2 D' U2 R' D' F' R B L' F2 Rw	
11	F' R' U2 L2 B2 D' L2 D U' R2 L' B2 F' U B U' F L2 D2 Fw Uw'	
12	F R2 U2 B2 U2 B U2 B' R2 D2 L' U L B R2 D2 F2 R' U2 F' Rw2 Uw'	
13	D U L2 U R2 B2 U' L2 B D2 B L2 U' R' U L U' R' D' Fw'	
14	U' R2 B' L2 D' L2 U R2 D F2 D U R2 B' L F' U B L R' Fw Uw	

15	U2 R2 B D' L2 D2 B U2 B2 F R2 B' D2 L' D L' U R' U Rw Uw2	
16	U2 F D2 R2 D2 R2 U B2 D L2 B2 U R2 F' L' B' D2 L D' U' Fw	
17	B' L2 F U2 F L2 B L' B' L R U' F2 D' L' F2 L' Fw' Uw	
18	R' F' R' D' R' B' D R2 L D' B2 D2 F' U2 R2 F2 B U Fw Uw	
19	U L2 F2 D R' D' F' L' F2 D B L2 F2 B2 U B2 U2 L2 B2 Rw Uw'	
20	U' F' U2 R2 F' D2 F' D2 U2 R2 B' R' D' L U2 F' R U2 L2 U' Rw' Uw2	
21	L2 F2 R' U2 F D2 R2 F R2 F' D2 F' D' B2 R2 F' D2 L2 F2 Rw Uw'	

22	R' U' $F2$ D $B2$ $L2$ $R2$ U $F2$ $L2$ B' D U F $D2$ R' F' U' R' $D2$ Fw' Uw	
23	R' $F2$ R $F2$ $U2$ L' $F2$ $U2$ B' D' R U' F' D F D U F $L2$ Uw	
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25	F $L2$ $B2$ D $B2$ $F2$ D' $R2$ $D2$ $U2$ B $R2$ $D2$ $L2$ $D2$ R' U L R'	
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27	R' B D' $R2$ $F2$ B' U' R $F2$ $R2$ $F2$ R $U2$ $L2$ $F2$ R D' $L2$ $B2$ $Rw2$ Uw	
28	F' $L2$ U $F2$ $U2$ $B2$ $L2$ R $D2$ $F2$ L' R B' U R' $B2$ L D' $L2$ Fw' Uw	

29	L U' L2 F2 U B2 U' F2 U2 B' D L R' F2 D U F2 L' D Rw	
30	R2 U2 B' L R2 U2 L' U2 B2 U2 R' B2 U2 B' D2 R B2 D' B' F' Rw' Uw	
31	L2 U' F2 R2 F2 D2 L2 D2 U' F U L' F' D2 U2 B' L' D L2 U2 Rw Uw	
32	D2 L2 F2 D U' F2 D R2 L F D2 L2 B U2 R B2 L2 B L2 Fw' Uw'	
33	U' F2 L2 U' L2 U' B2 D2 U' B L D2 F2 R2 D L2 D' R' F2 Rw Uw	
34	R' U2 B2 L2 B2 U L2 F2 U2 F2 L' D L2 B2 D' L B F D2 U Rw' Uw	
35	L' F2 D' R2 D2 U B2 L2 F2 L2 U F L D' U2 F' U L U' R2 Uw2	