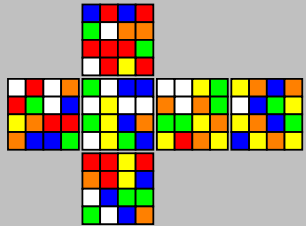
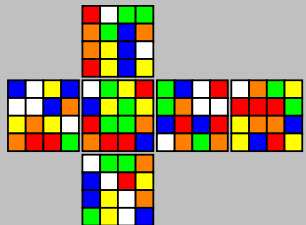
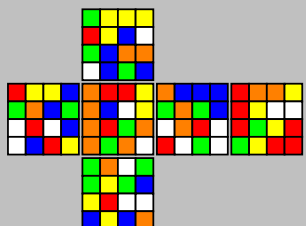
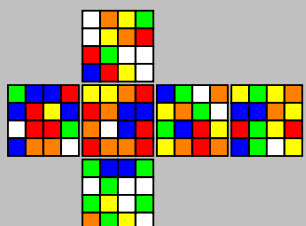
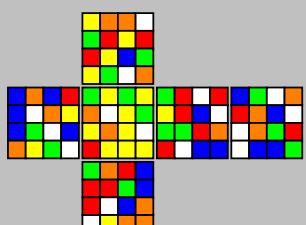


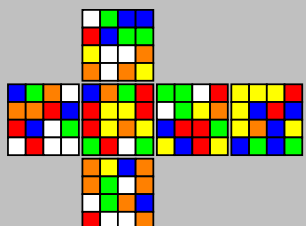
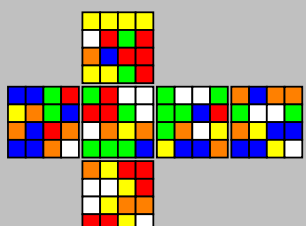
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set A

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

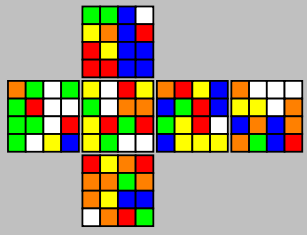
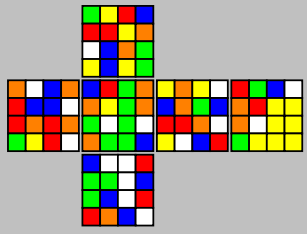
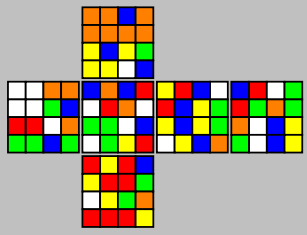
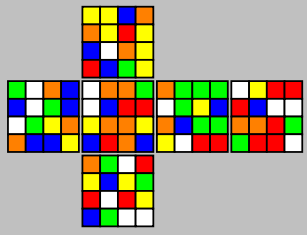
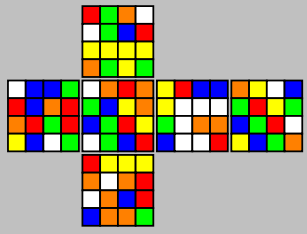
## Extra Scrambles

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

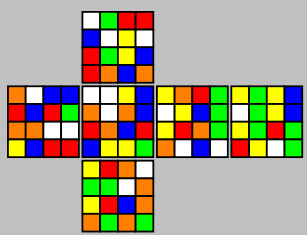
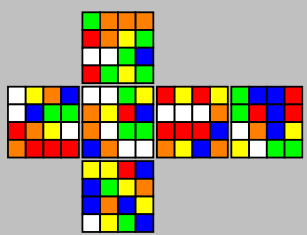
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set B

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

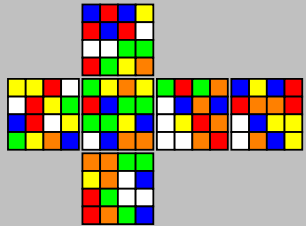
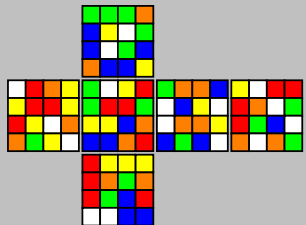
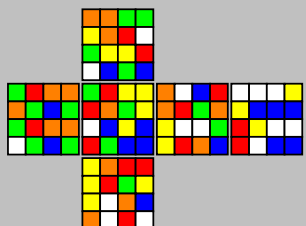
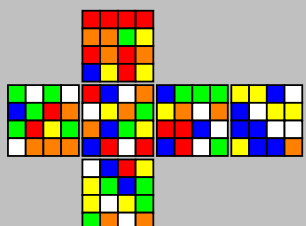
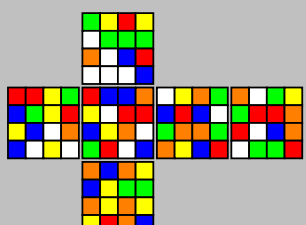
## Extra Scrambles

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

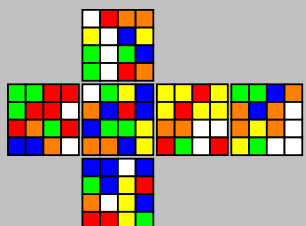
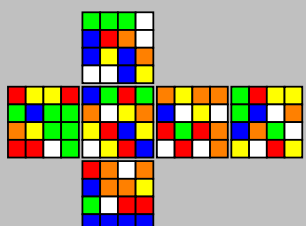
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set C

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

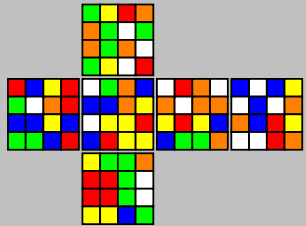
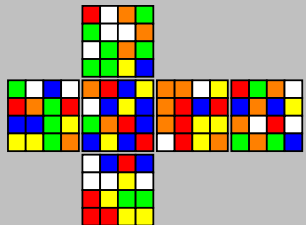
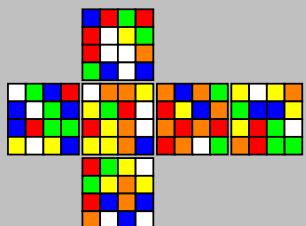
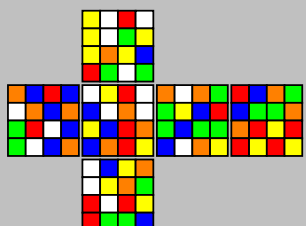
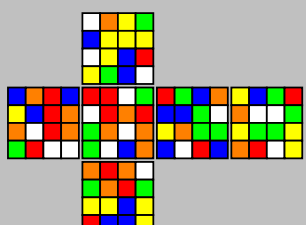
## Extra Scrambles

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

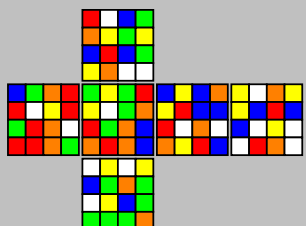
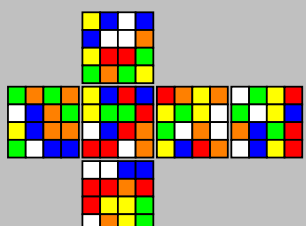
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set D

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

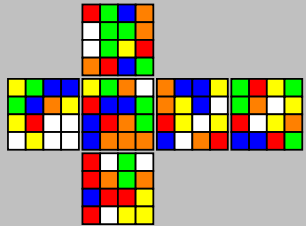
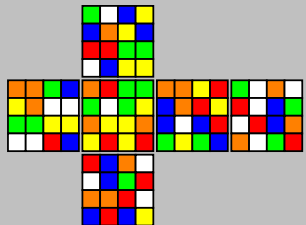
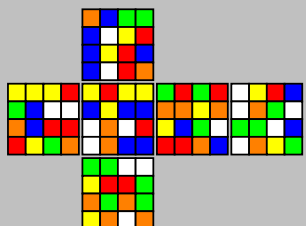
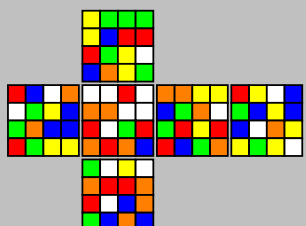
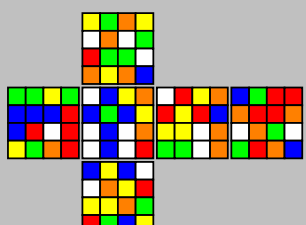
## Extra Scrambles

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

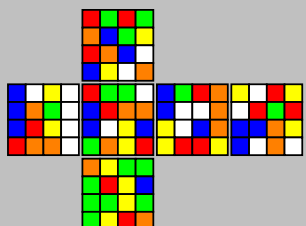
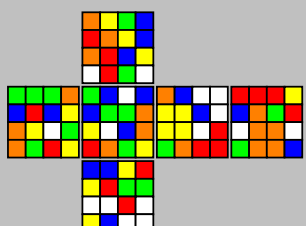
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set E

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set F

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

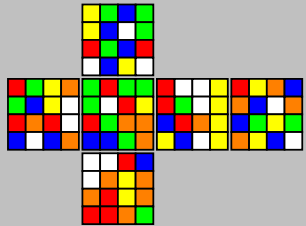
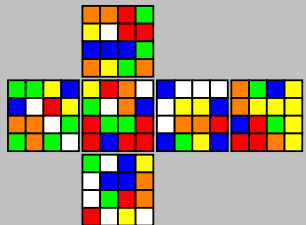
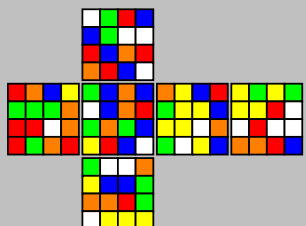
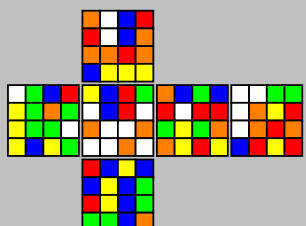
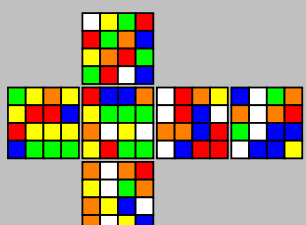
## Extra Scrambles

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

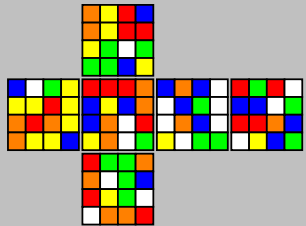
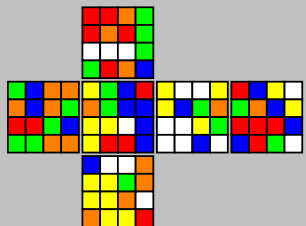
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set G

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

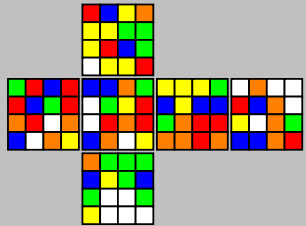
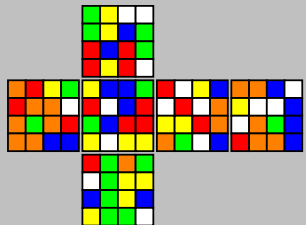
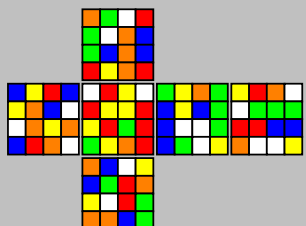
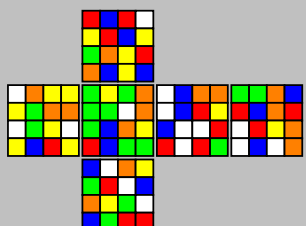
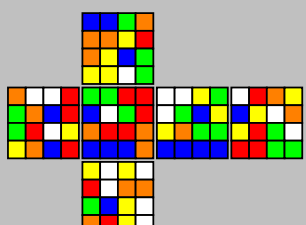
## Extra Scrambles

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

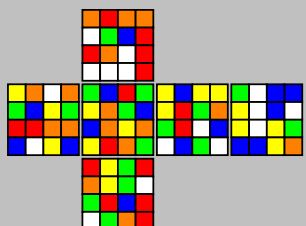
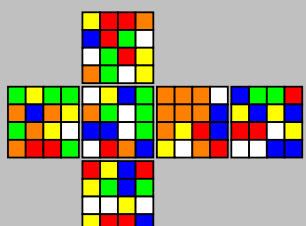
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set H

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

## Extra Scrambles

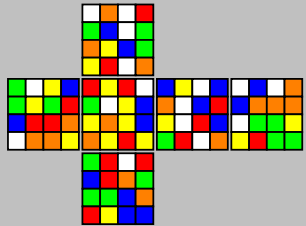
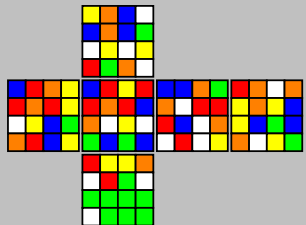
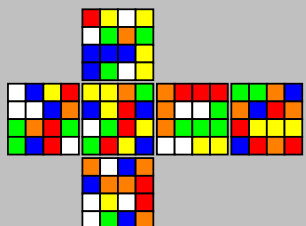
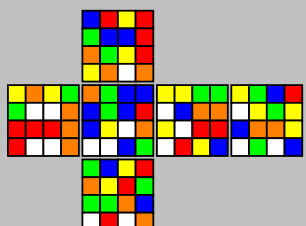
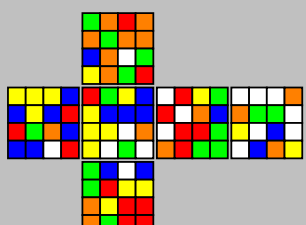
E1	R' U F D B2 U2 R2 L2 D' L2 D L2 D L' F L B D' B' R2 Uw2 R' B Uw2 B Rw2 L2 D2 F' R D2 F' Uw' F' R' Uw R Rw D' B2 Uw' U' Rw D	
E2	L2 F2 U R2 U' F2 R2 U' B2 R' F2 U B R B D2 B2 L2 U2 Fw2 L2 R' Uw2 Rw2 D2 B Rw2 R' B R2 Fw2 F' Uw L Uw2 F D2 Rw U' B F Rw2 Fw' B	



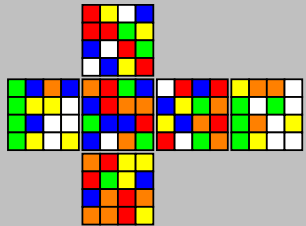
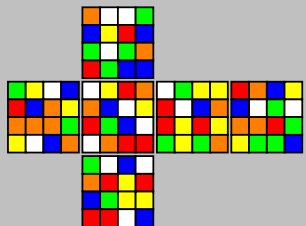
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set I

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

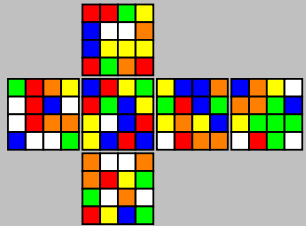
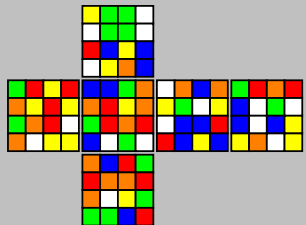
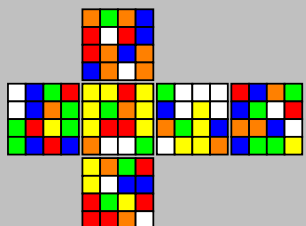
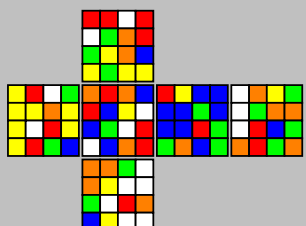
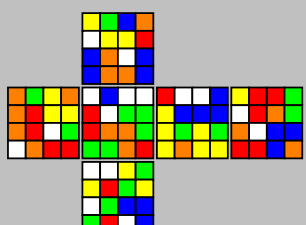
## Extra Scrambles

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

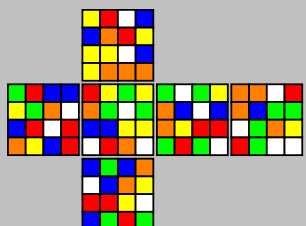
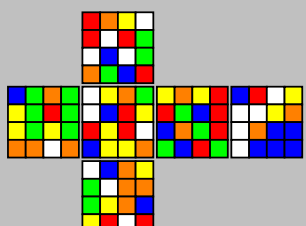
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set J

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

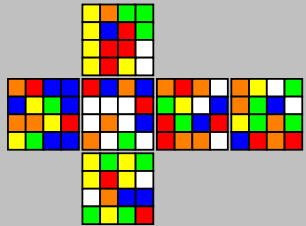
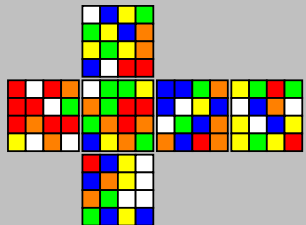
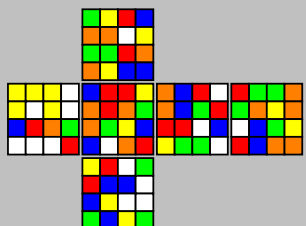
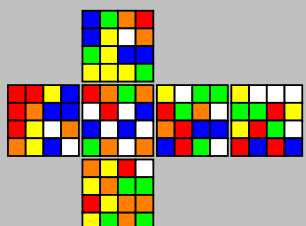
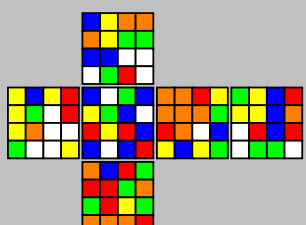
## Extra Scrambles

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

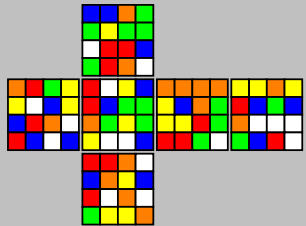
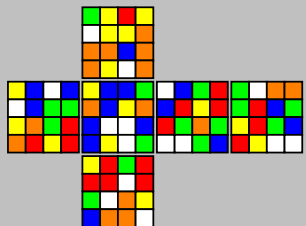
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set K

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

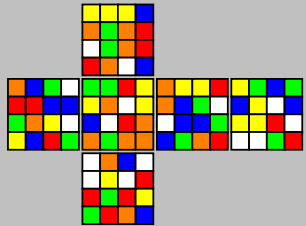
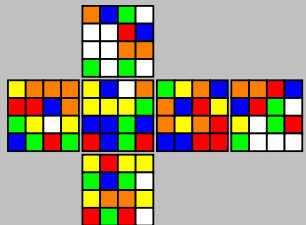
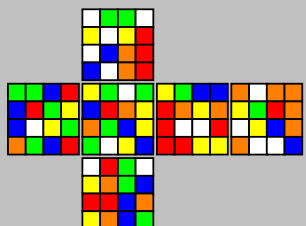
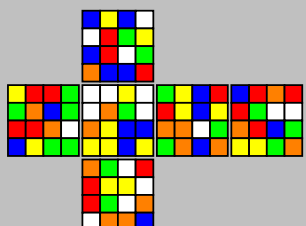
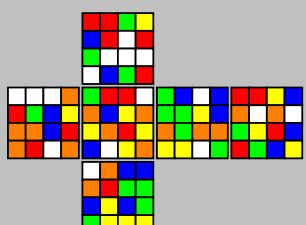
## Extra Scrambles

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

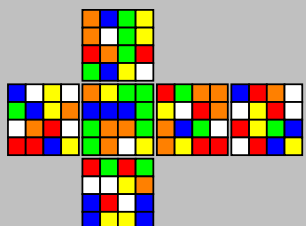
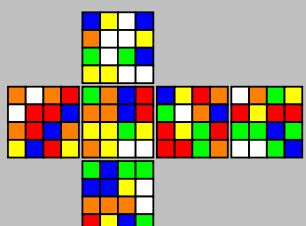
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set L

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

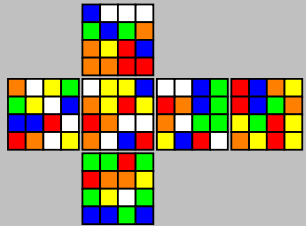
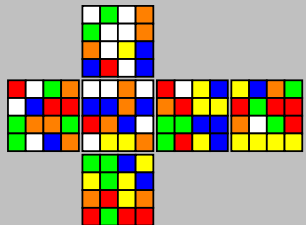
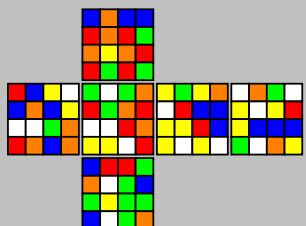
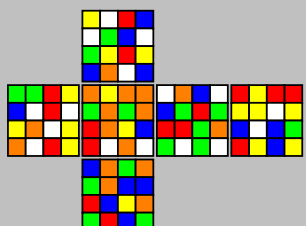
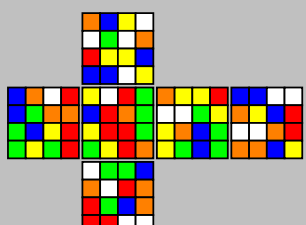
## Extra Scrambles

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

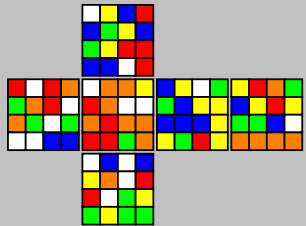
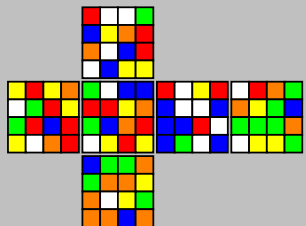
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set M

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

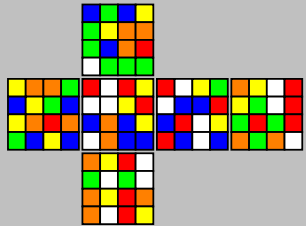
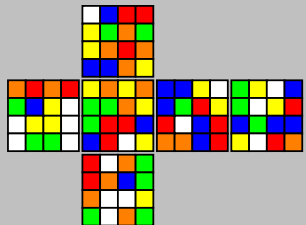
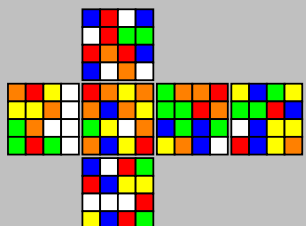
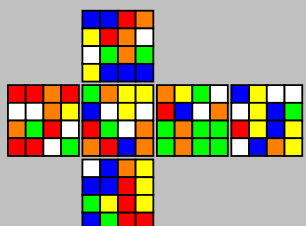
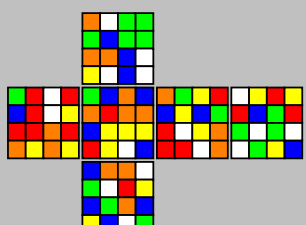
## Extra Scrambles

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

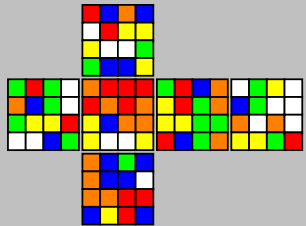
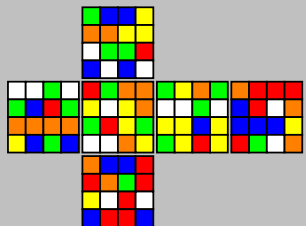
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set N

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

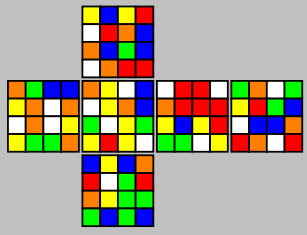
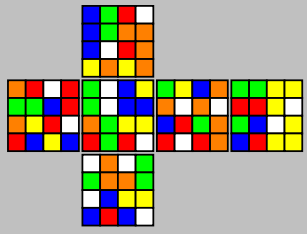
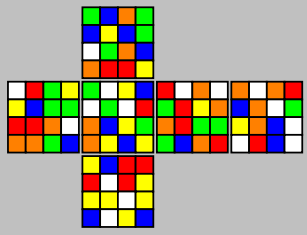
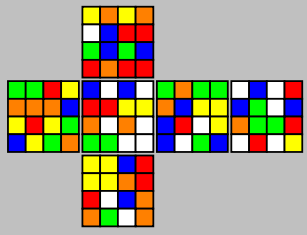
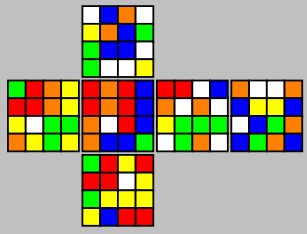
## Extra Scrambles

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

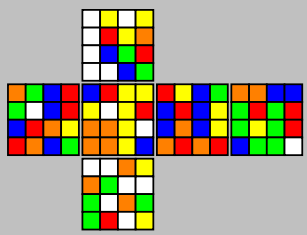
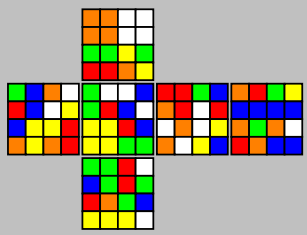
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set O

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

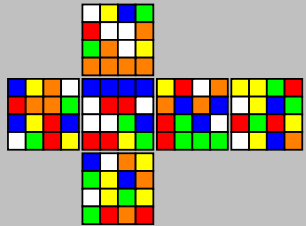
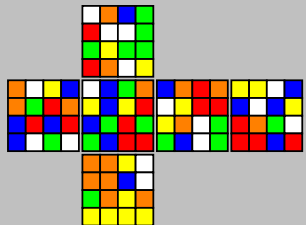
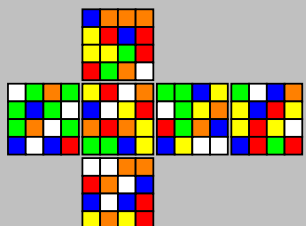
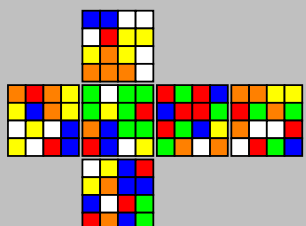
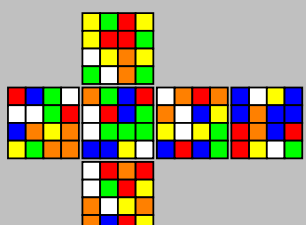
## Extra Scrambles

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

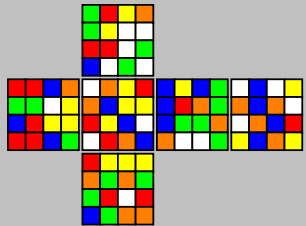
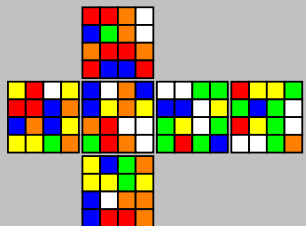
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set P

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

## Extra Scrambles

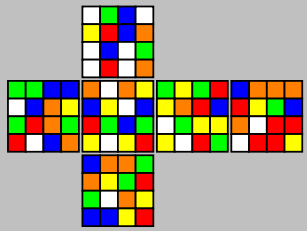
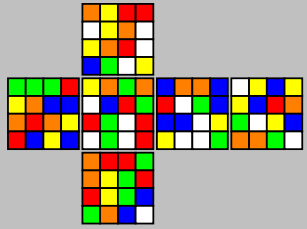
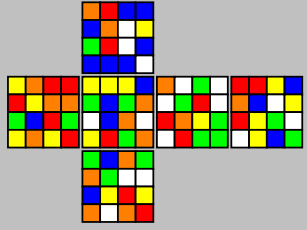
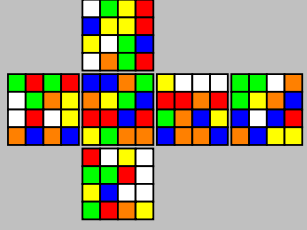
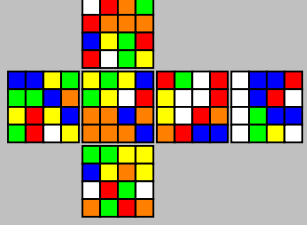
E1	R2 D2 U2 L' B2 F2 L D2 R' F2 R' U' F2 R' F' L' F2 R B2 D' Rw2 B' F2 Uw2 R' Fw2 Rw2 U2 B' F Uw2 L R2 D' L Uw' R2 Uw' Fw' Uw' Rw2 B2 F Uw2 D'	
E2	U' L F' R F U B L D2 F2 B2 R2 D L2 D F2 B2 U R2 D' R Fw2 R' U2 B2 Rw2 D' B2 D L' Uw2 Fw2 U B2 Fw' R2 D Fw' D' Uw R' D F Rw Fw Uw2	



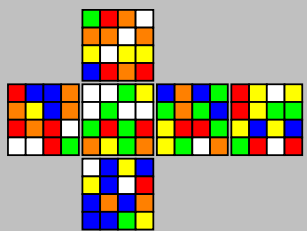
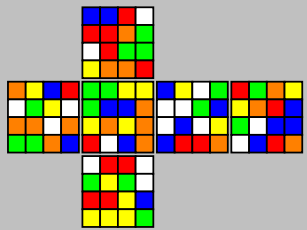
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set Q

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

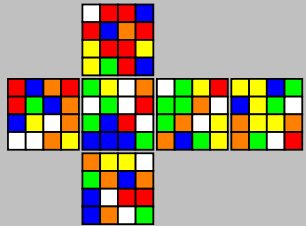
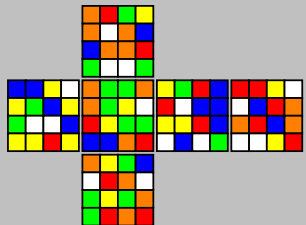
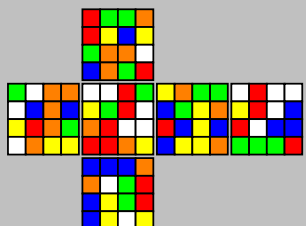
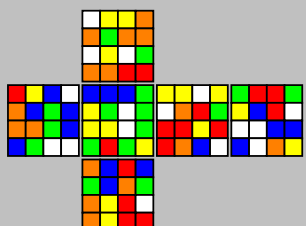
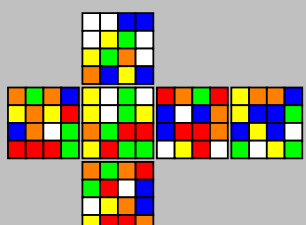
## Extra Scrambles

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

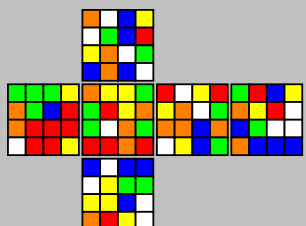
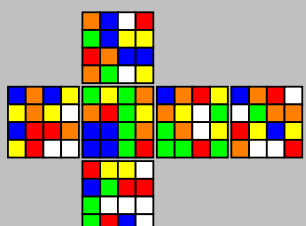
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set R

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set S

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

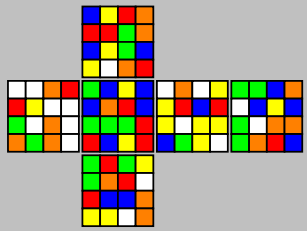
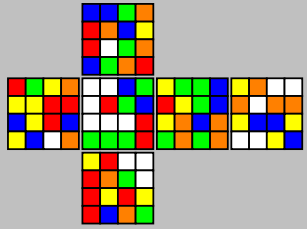
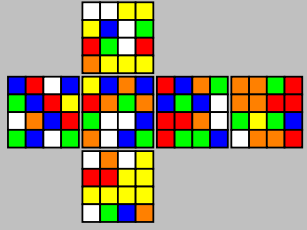
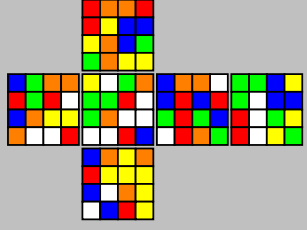
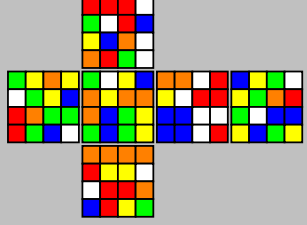
## Extra Scrambles

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

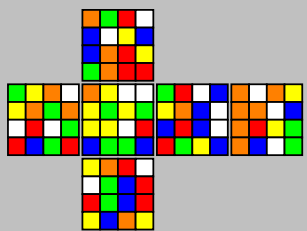
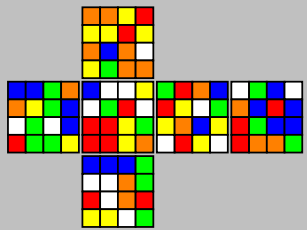
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set T

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

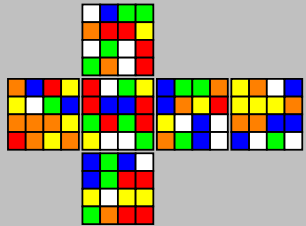
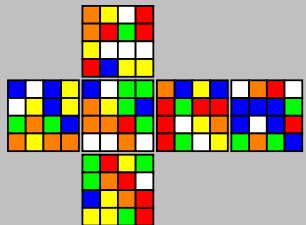
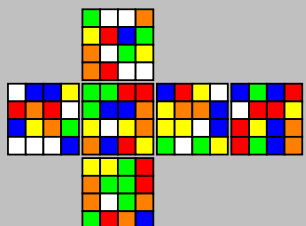
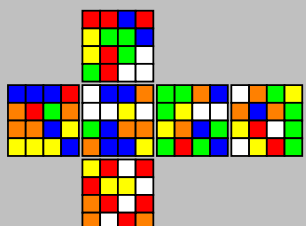
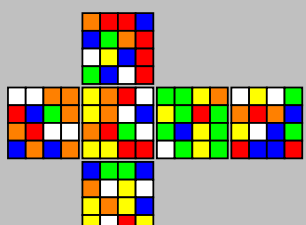
## Extra Scrambles

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

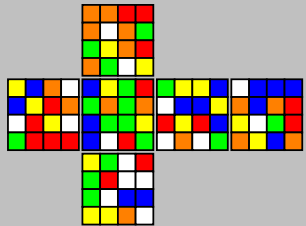
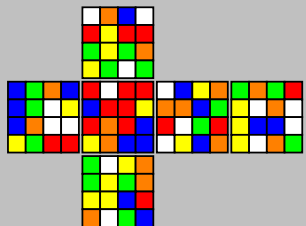
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set U

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

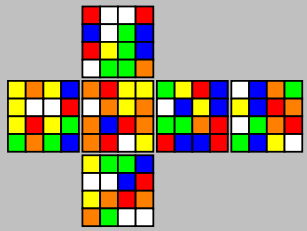
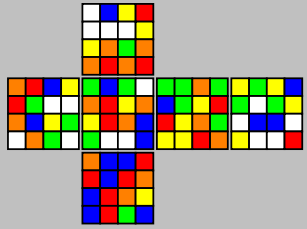
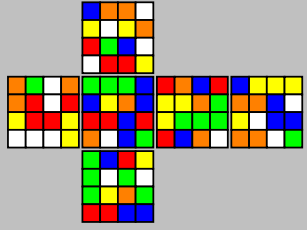
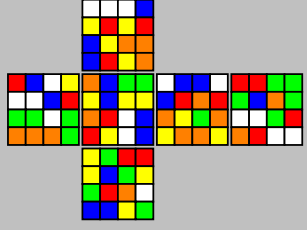
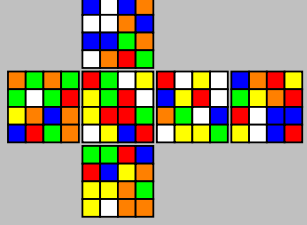
## Extra Scrambles

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

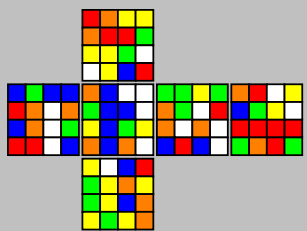
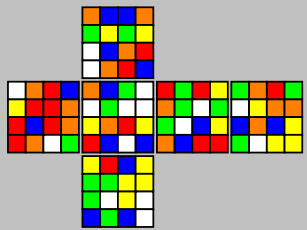
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set V

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

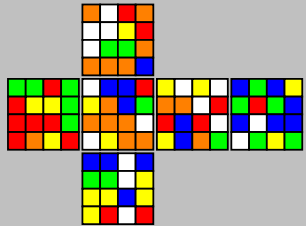
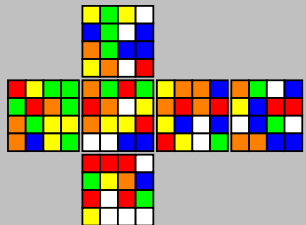
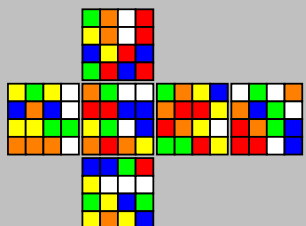
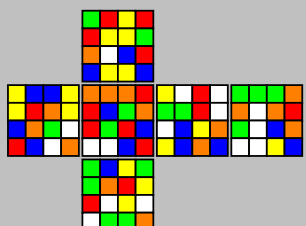
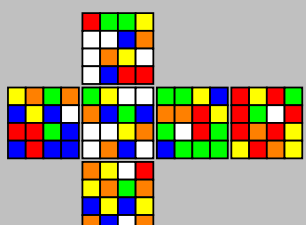
## Extra Scrambles

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

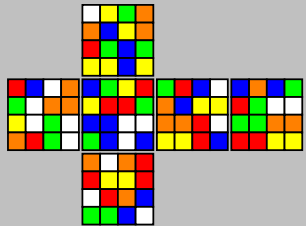
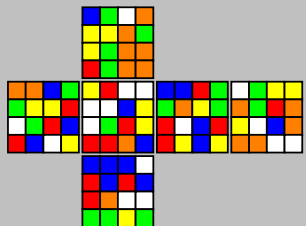
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set W

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

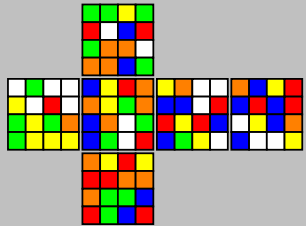
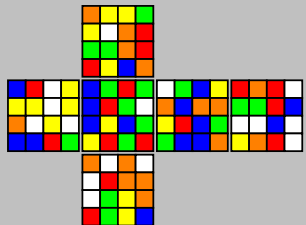
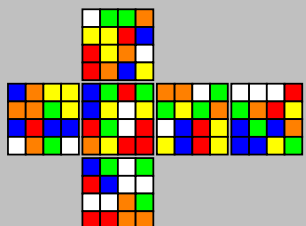
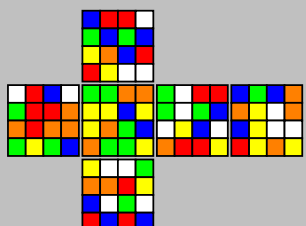
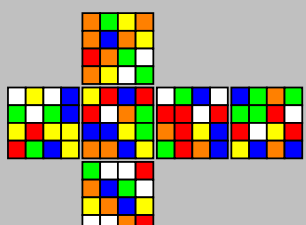
## Extra Scrambles

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

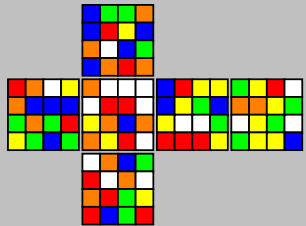
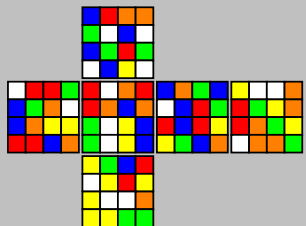
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set X

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

## Extra Scrambles

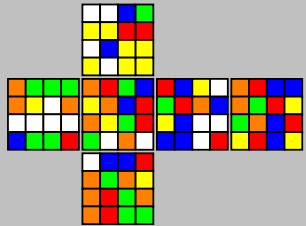
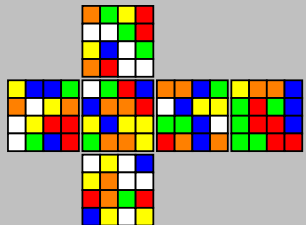
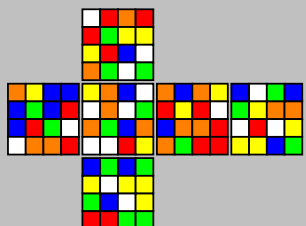
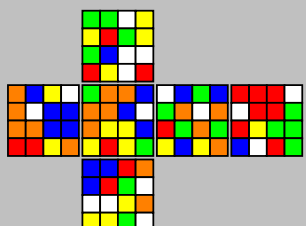
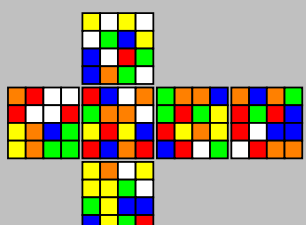
E1	U2 L U' L2 U' R2 D2 U' B2 L2 U2 F' B' R' F L' D2 U' R' Rw2 Fw2 U Rw2 R2 Fw2 Uw2 B' Uw2 R2 U F2 D' L F U' D Rw' U2 Uw' R Fw' Uw2 Rw2 D2 Rw2	
E2	L2 F B2 U2 B2 R' B2 L R2 U2 L2 B2 U2 F' R2 D B2 L U' L' Rw2 B' Uw2 D' F D2 Rw2 Uw2 U' F2 U2 F Rw Uw2 R2 U F Rw' R Uw' Rw' Fw' D' Fw B2	



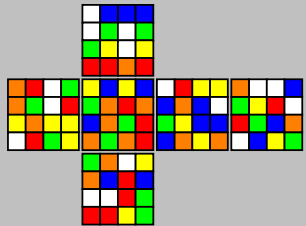
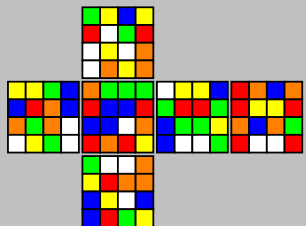
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set Y

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

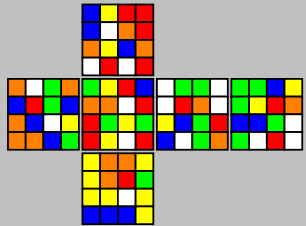
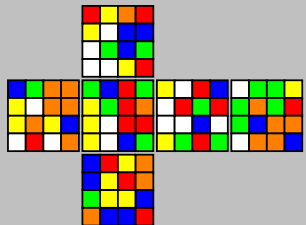
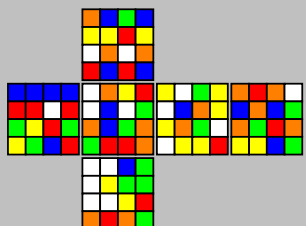
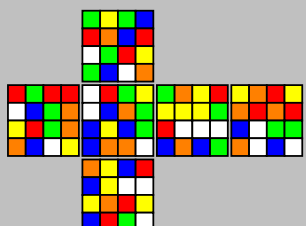
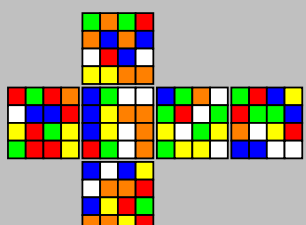
## Extra Scrambles

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

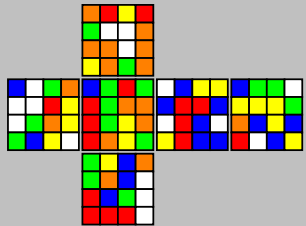
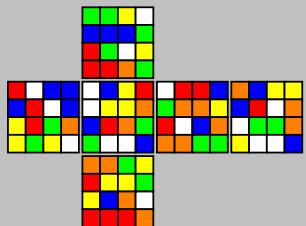
## 0505 Testcase 1

2024-05-08

4x4x4 Round 1 Scramble Set @

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

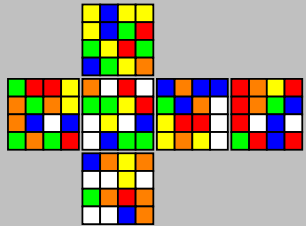
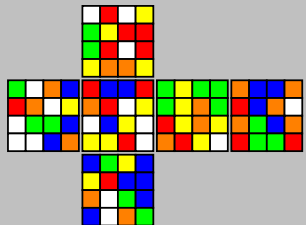
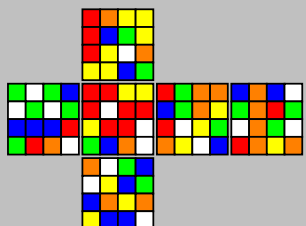
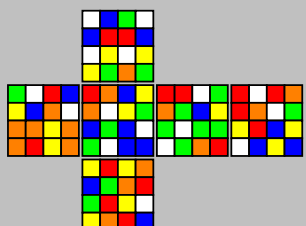
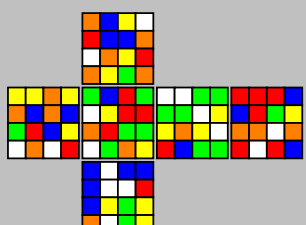
## Extra Scrambles

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

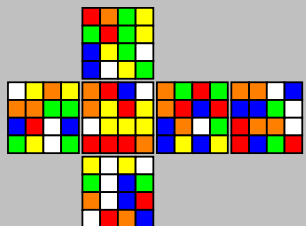
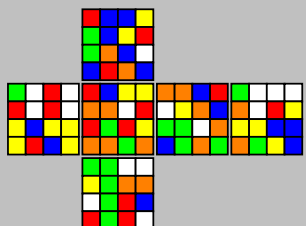
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set A

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

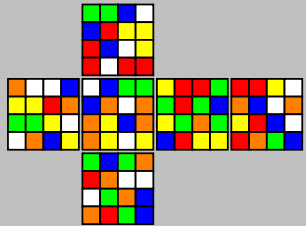
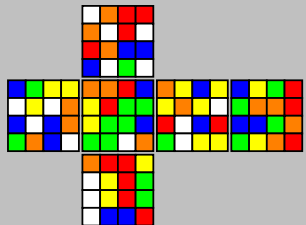
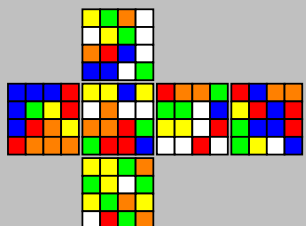
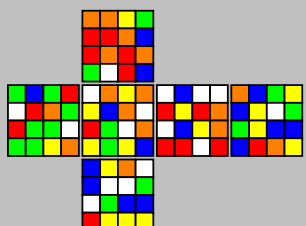
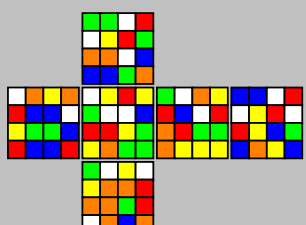
## Extra Scrambles

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

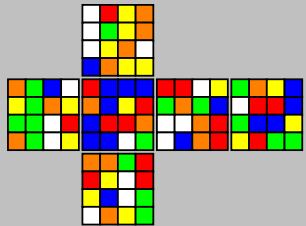
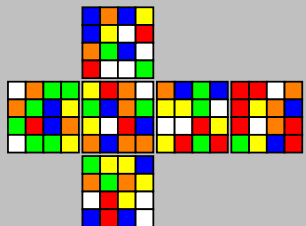
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set B

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set C

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

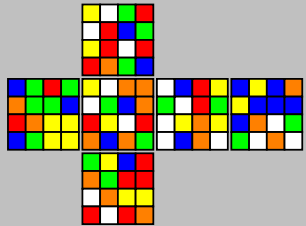
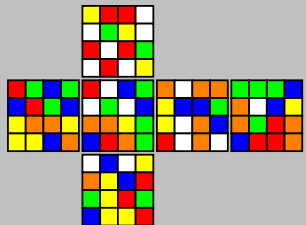
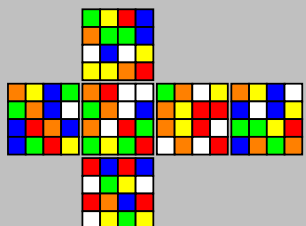
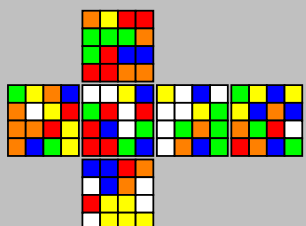
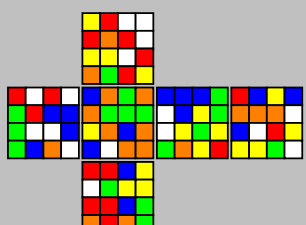
## Extra Scrambles

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

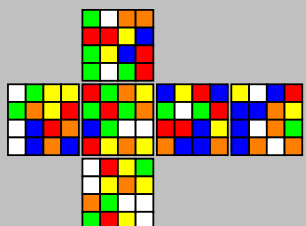
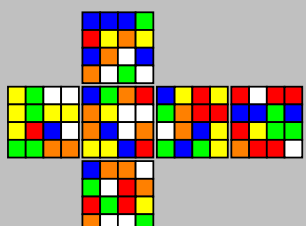
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set D

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

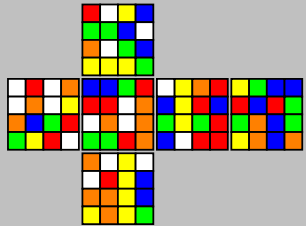
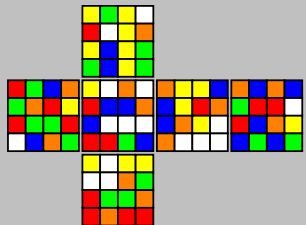
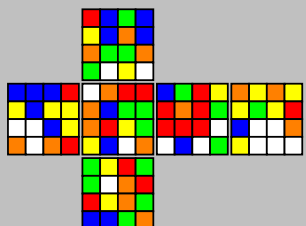
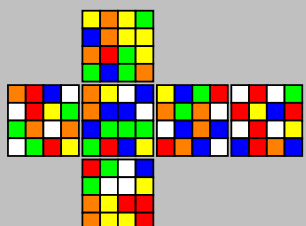
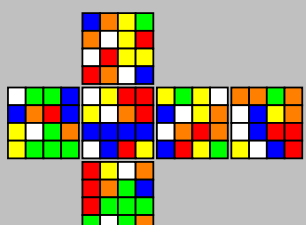
## Extra Scrambles

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

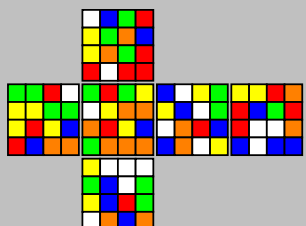
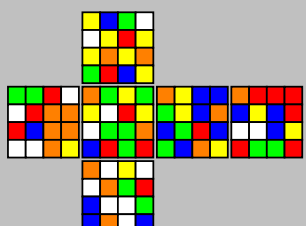
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set E

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

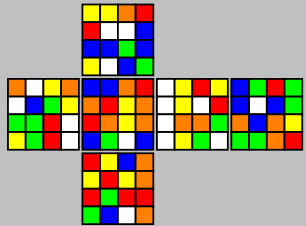
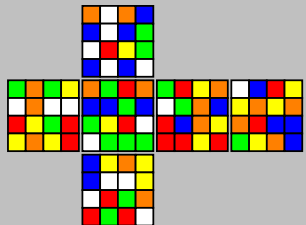
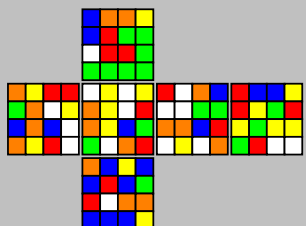
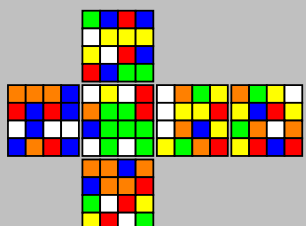
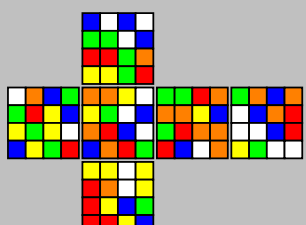
## Extra Scrambles

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

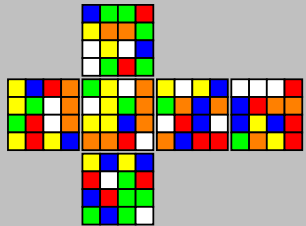
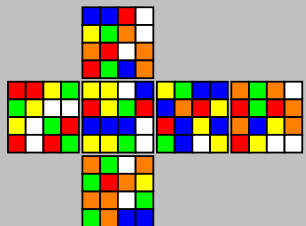
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set F

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

## Extra Scrambles

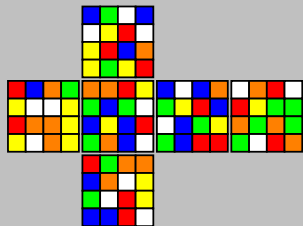
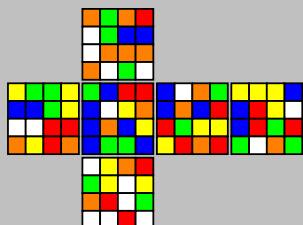
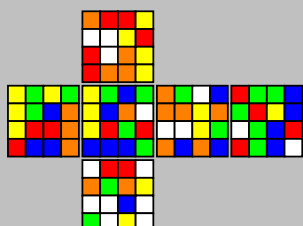
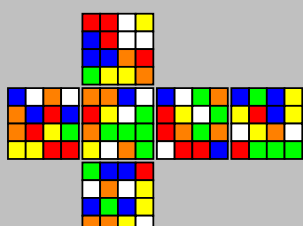
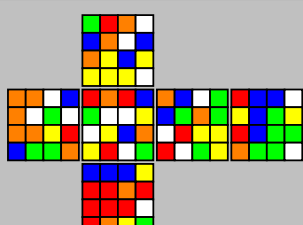
E1	D2 L2 B2 U2 L' F2 L F2 U2 B' L D' B L' D' L2 R U' B D Uw2 L' Uw2 R Fw2 Rw2 L D Rw2 D U2 R Fw' R' Uw2 D2 Fw2 F' Rw' Fw' R' Uw D2 Fw' Rw' Uw2	
E2	B R2 U2 D' F2 L2 D L2 B2 D' L2 R' D' F L' U B U2 F' Uw2 F' L Fw2 R Uw2 B2 U2 B D2 Fw2 Uw F' Uw' B' Rw2 L2 Fw' Rw' L2 U2 D' Fw' B2	



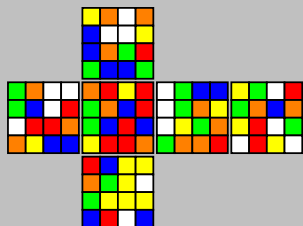
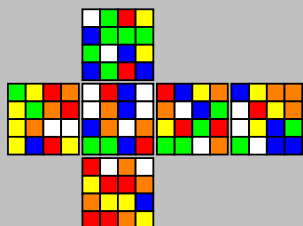
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set G

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

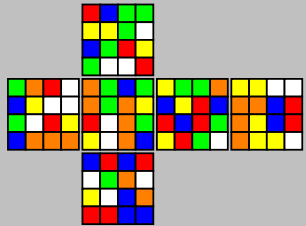
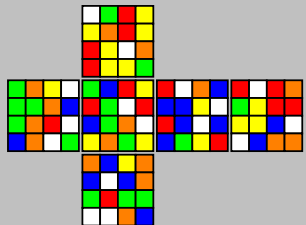
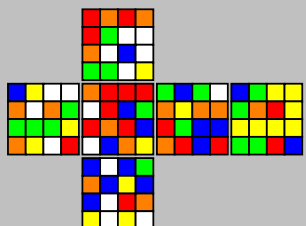
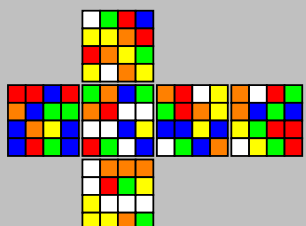
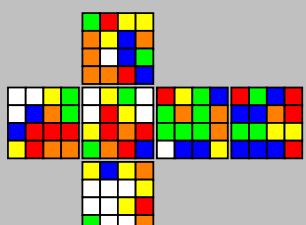
## Extra Scrambles

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

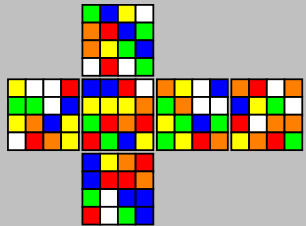
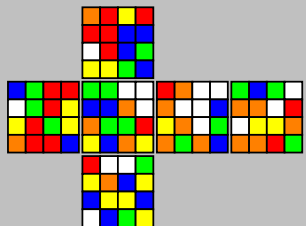
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set H

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

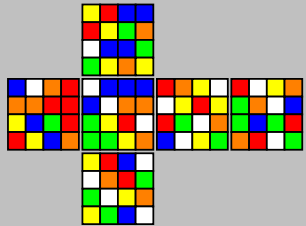
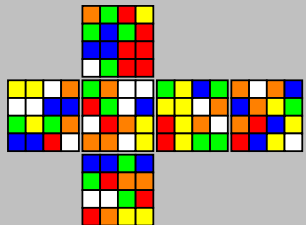
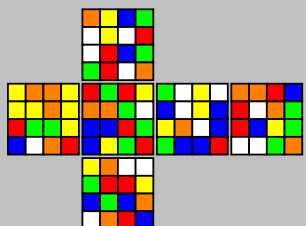
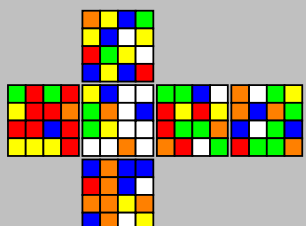
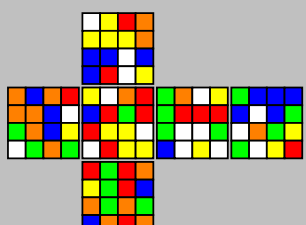
## Extra Scrambles

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

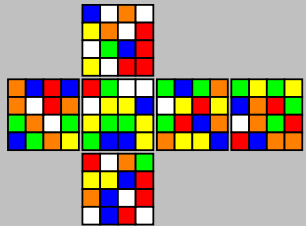
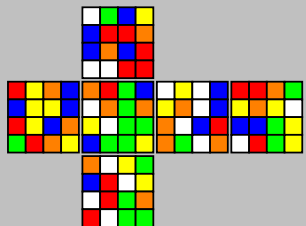
## 0505 Testcase 1

2024-05-08

## 4x4x4 Round 2 Scramble Set I

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

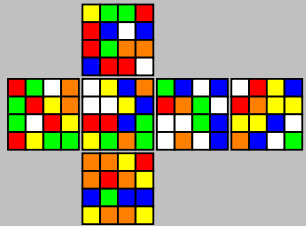
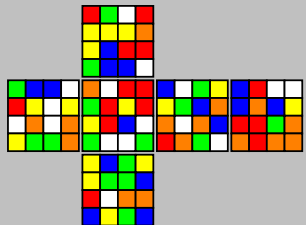
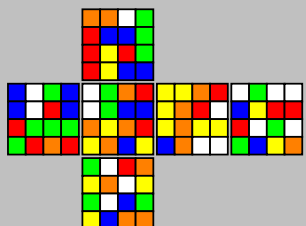
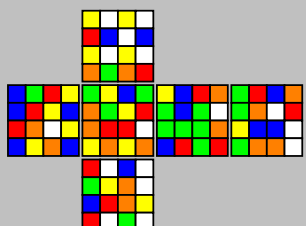
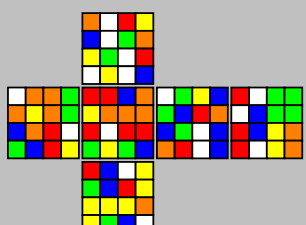
## Extra Scrambles

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

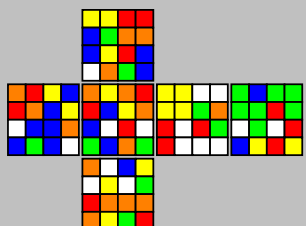
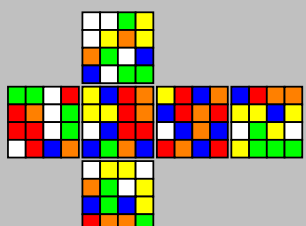
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set J

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set K

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set L

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set M

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

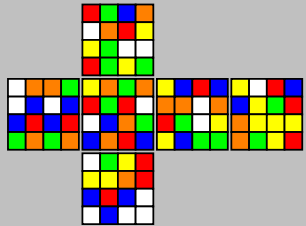
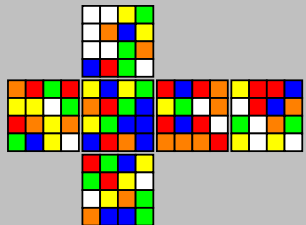
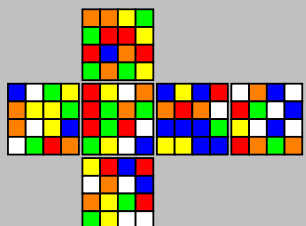
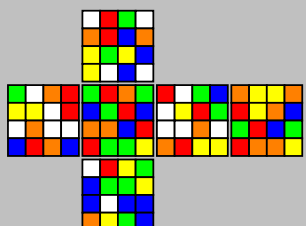
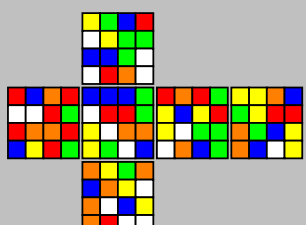
## Extra Scrambles

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

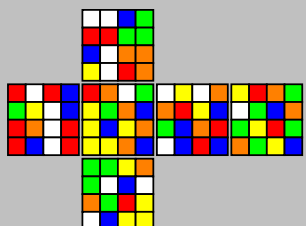
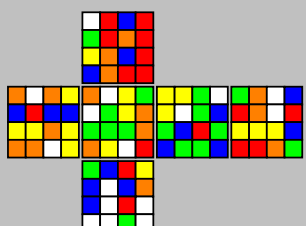
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set N

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

## Extra Scrambles

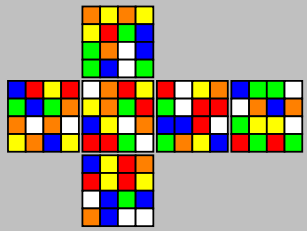
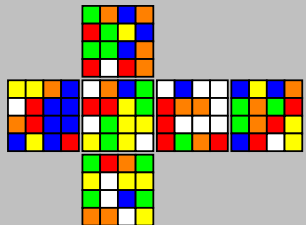
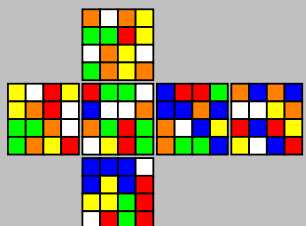
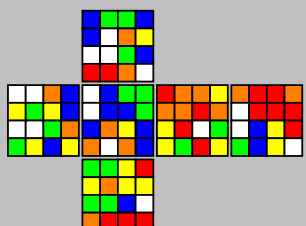
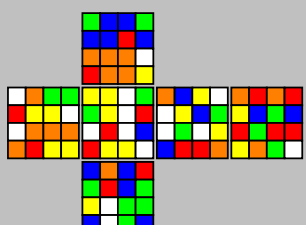
E1	D' B' U2 F R2 U2 B2 D2 B' F2 U2 F D2 U R' F R B2 L B' D2 Uw2 R U2 F U2 Fw2 Uw2 F' Rw2 D2 B' L Fw2 D' U L' Uw D2 B2 Rw R' F2 Uw' Fw' D R2	
E2	U' F2 R D L D2 B' R' B' U2 F2 D2 R2 B L2 F' D2 L2 B2 L2 Fw2 Rw2 R Uw2 U L2 Uw2 R' D' Rw2 F2 U2 R2 F' R2 Fw' D Rw' R Uw R B Rw Uw' L	



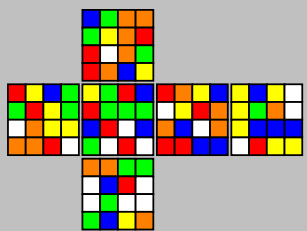
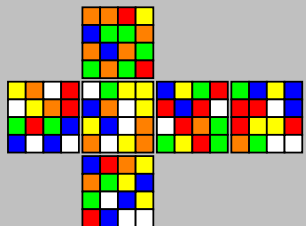
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set O

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

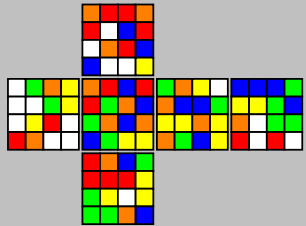
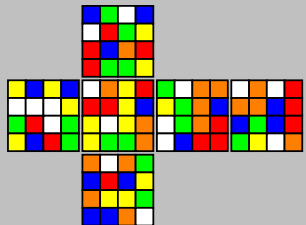
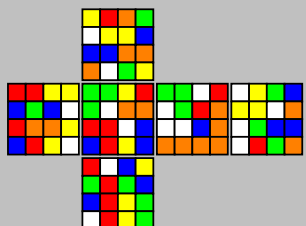
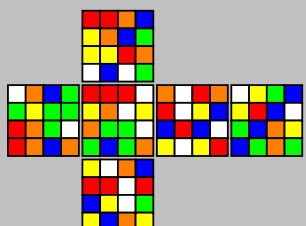
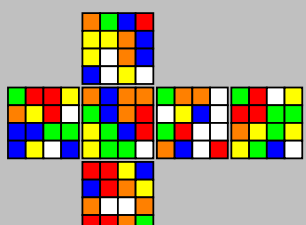
## Extra Scrambles

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

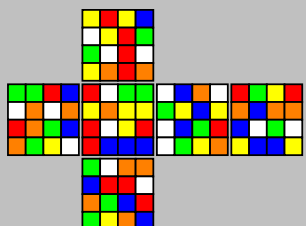
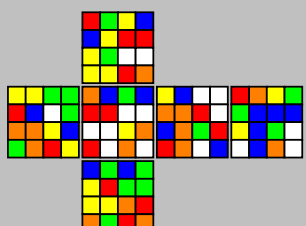
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set P

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

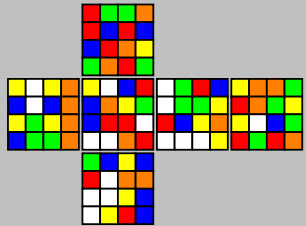
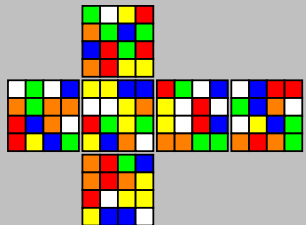
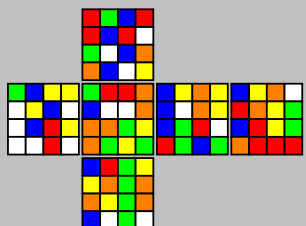
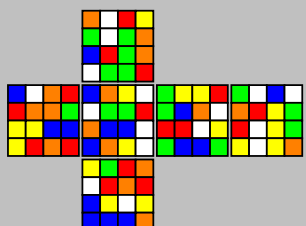
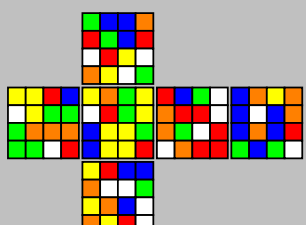
## Extra Scrambles

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

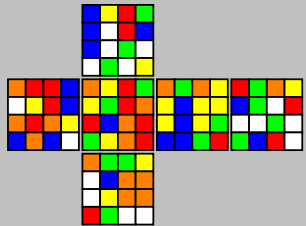
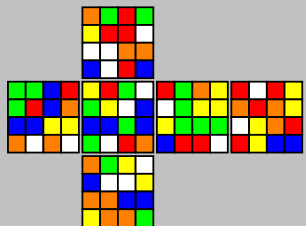
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set Q

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

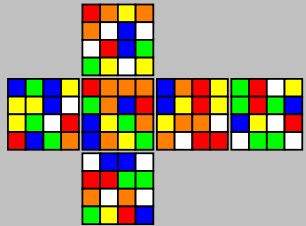
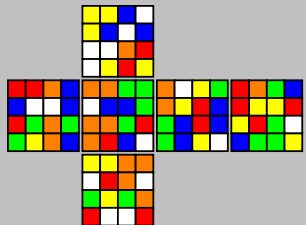
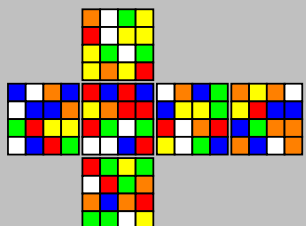
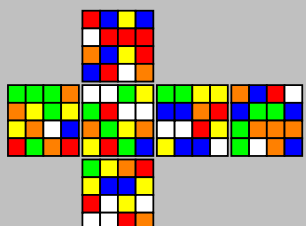
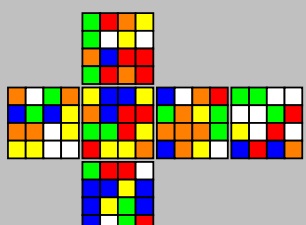
## Extra Scrambles

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

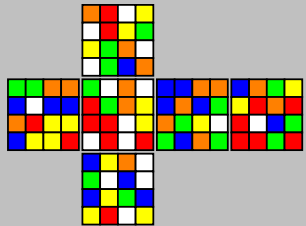
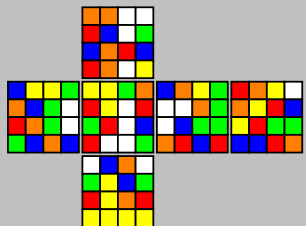
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set R

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set S

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

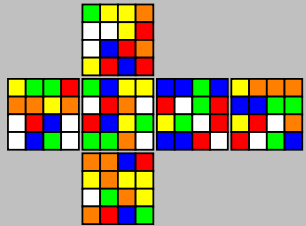
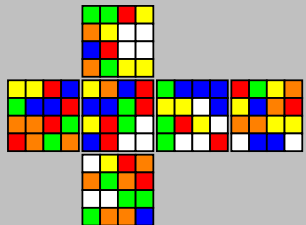
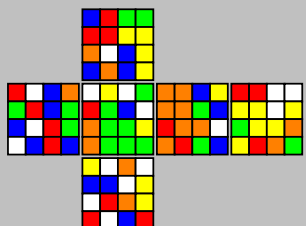
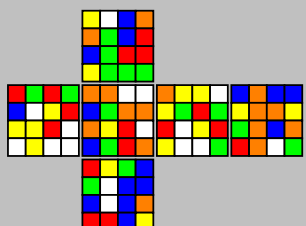
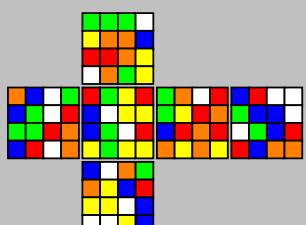
## Extra Scrambles

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

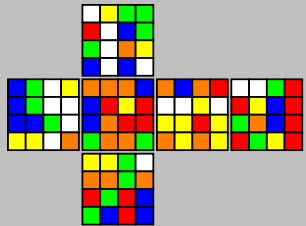
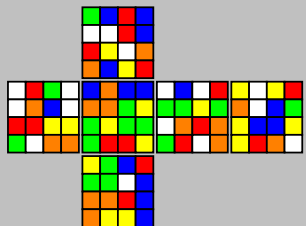
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set T

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set U

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

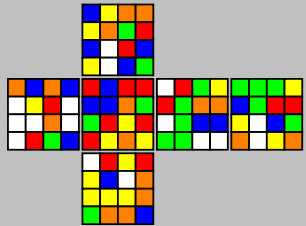
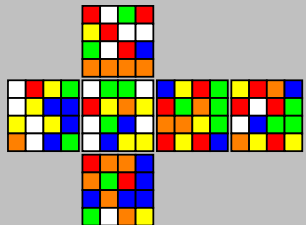
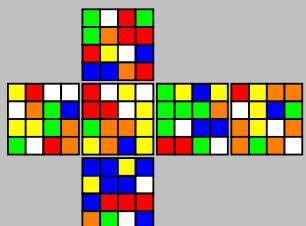
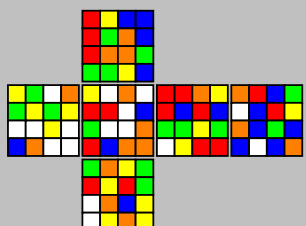
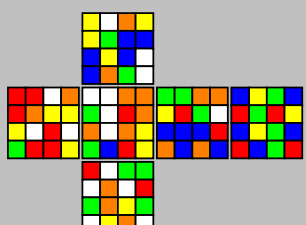
## Extra Scrambles

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

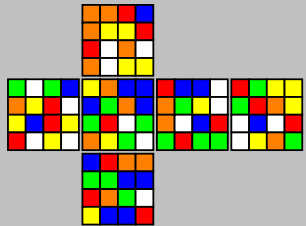
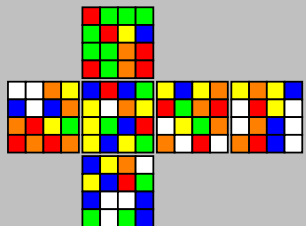
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set V

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

## Extra Scrambles

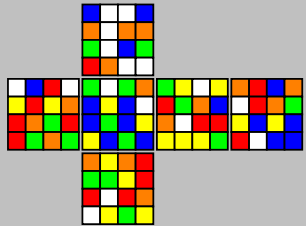
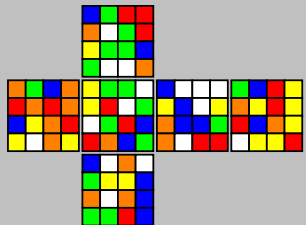
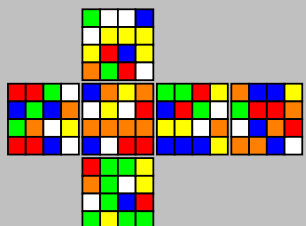
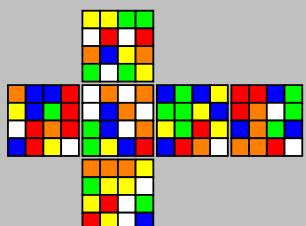
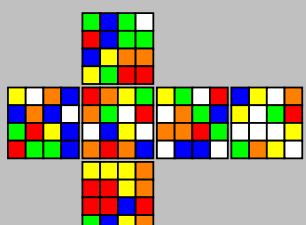
E1	F2 L' F U F2 U L F2 R2 U R B2 R F2 D2 L U2 L2 F2 Uw2 B F2 Uw2 R' Fw2 L B' Rw2 F' Uw2 R U' L2 Uw' L U2 Fw D' Rw2 Uw' Fw R B L2	
E2	R2 D' R2 D2 F2 R2 D' R2 B2 F' R D2 R' F2 D2 L R' D' R D2 Uw2 Fw2 R U' L2 F2 Rw2 Uw2 U' L2 U Rw2 L' D2 F R2 U2 Fw' Rw' Fw2 R2 Uw' Fw' F2 Rw U'	



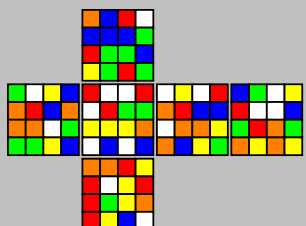
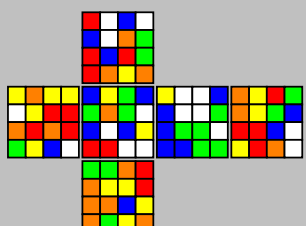
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set W

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

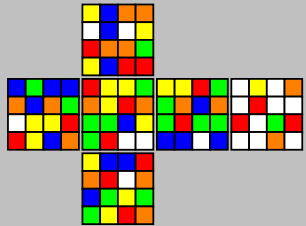
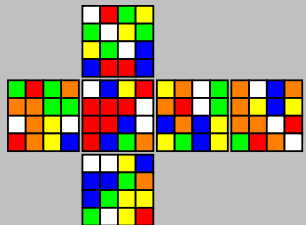
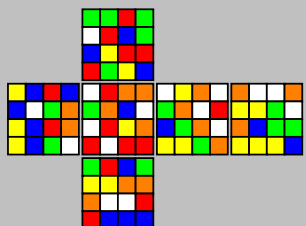
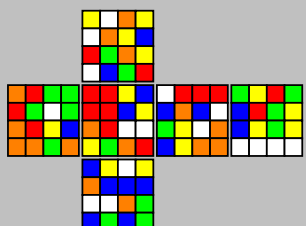
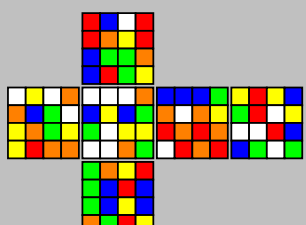
## Extra Scrambles

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

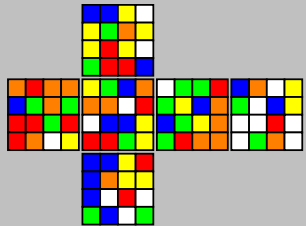
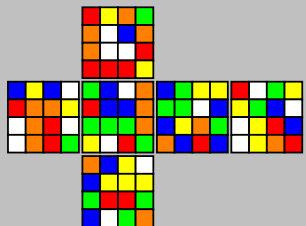
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set X

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

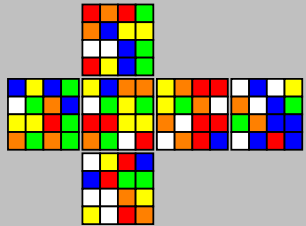
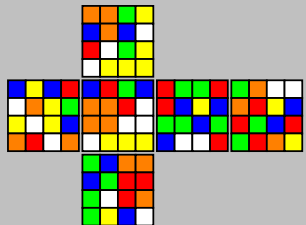
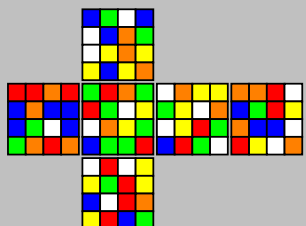
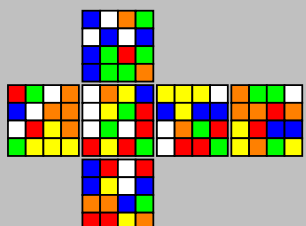
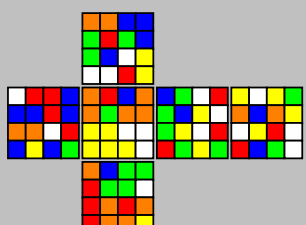
## Extra Scrambles

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

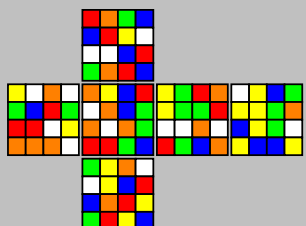
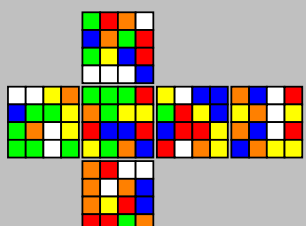
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set Y

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

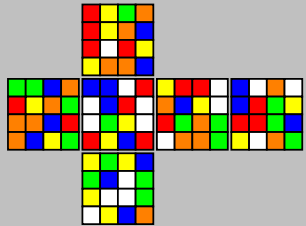
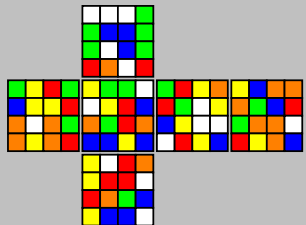
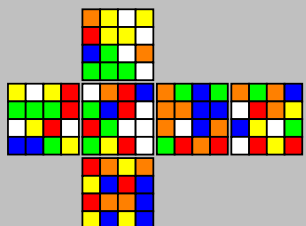
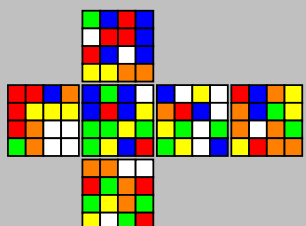
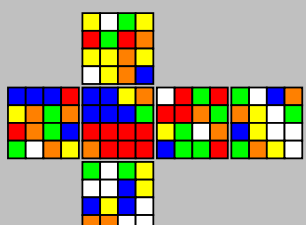
## Extra Scrambles

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

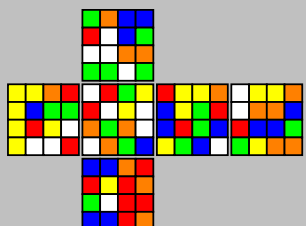
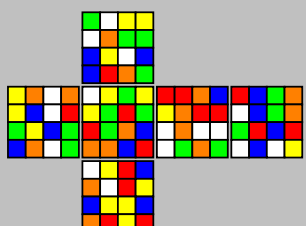
## 0505 Testcase 1

2024-05-08

4x4x4 Round 2 Scramble Set @

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

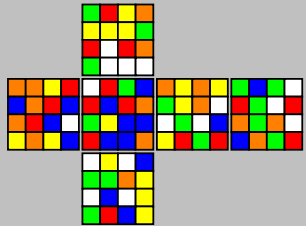
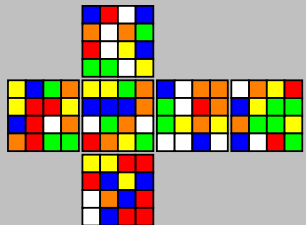
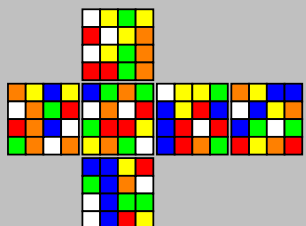
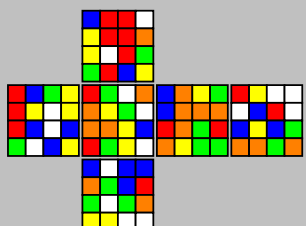
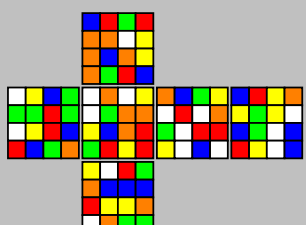
## Extra Scrambles

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

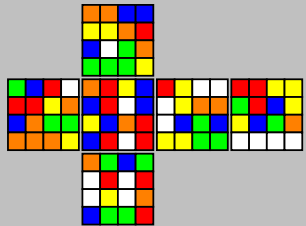
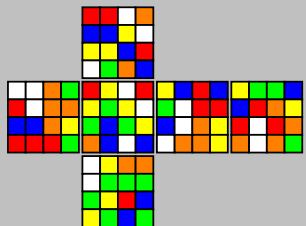
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set A

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set B

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

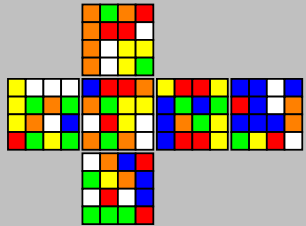
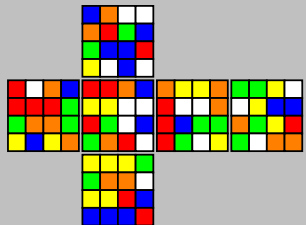
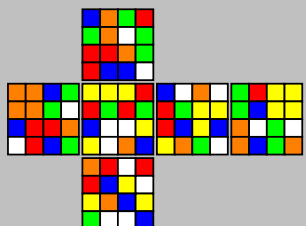
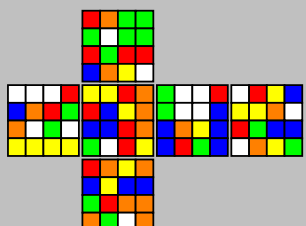
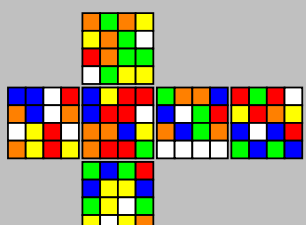
## Extra Scrambles

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

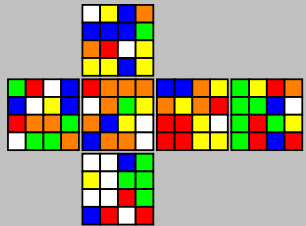
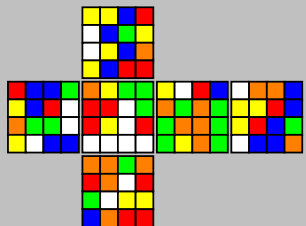
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set C

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

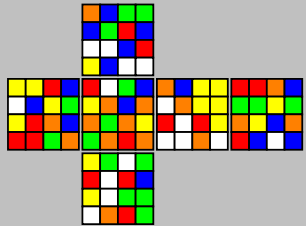
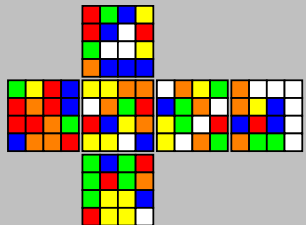
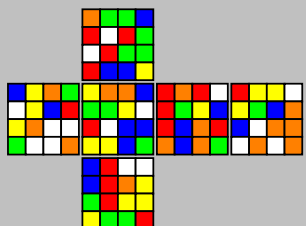
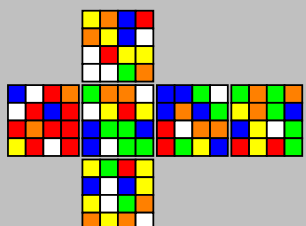
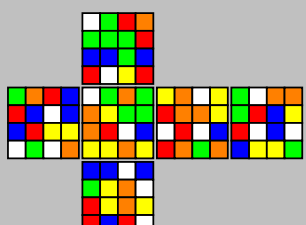
## Extra Scrambles

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

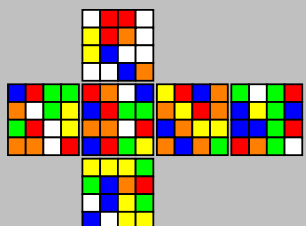
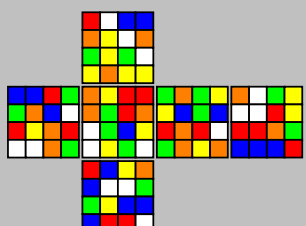
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set D

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

## Extra Scrambles

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



## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set E

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

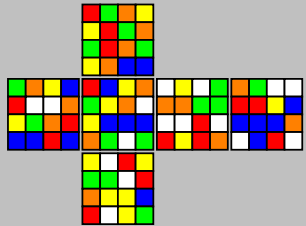
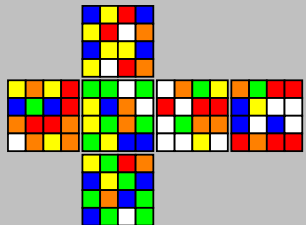
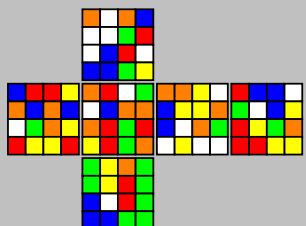
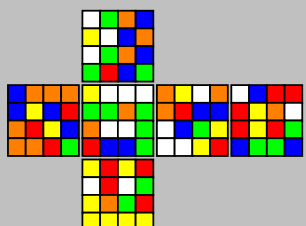
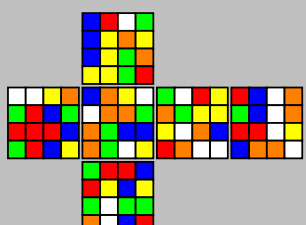
## Extra Scrambles

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

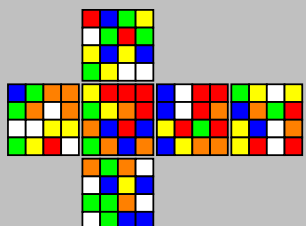
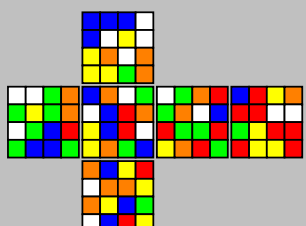
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set F

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

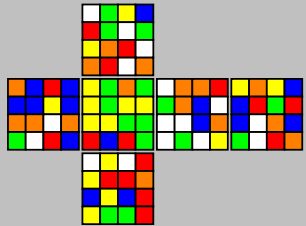
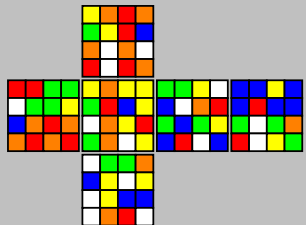
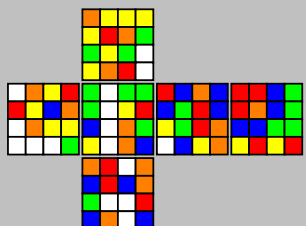
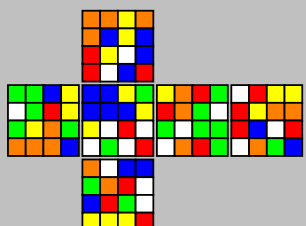
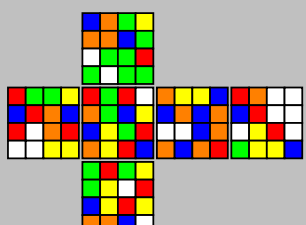
## Extra Scrambles

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

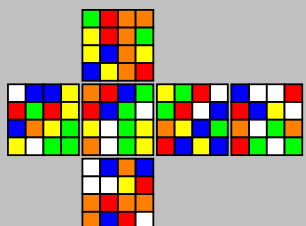
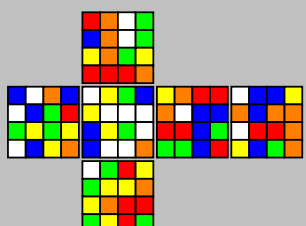
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set G

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

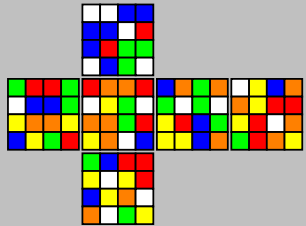
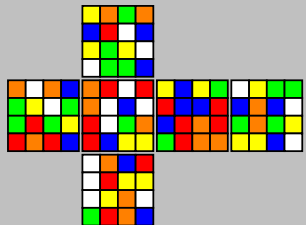
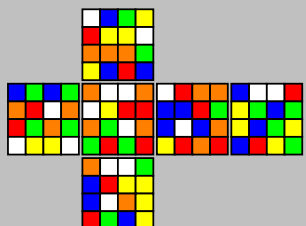
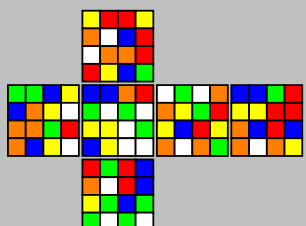
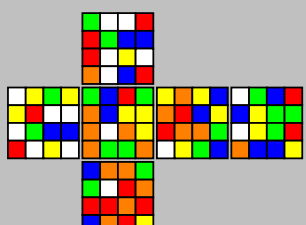
## Extra Scrambles

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

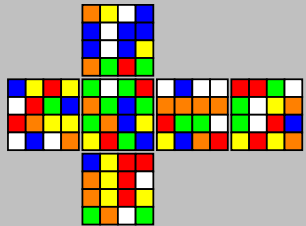
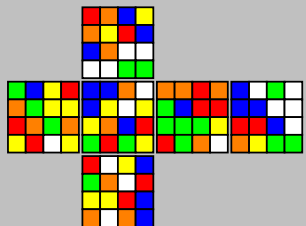
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set H

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

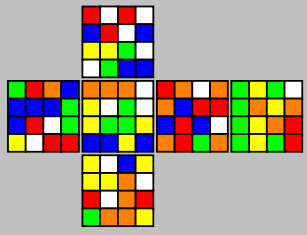
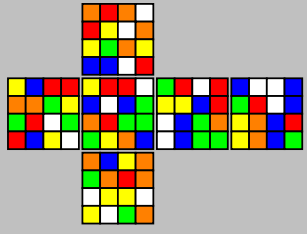
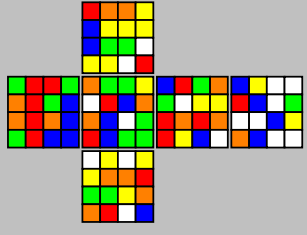
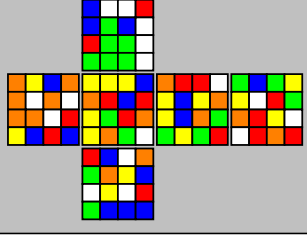
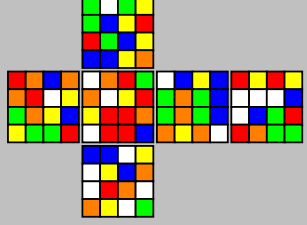
## Extra Scrambles

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

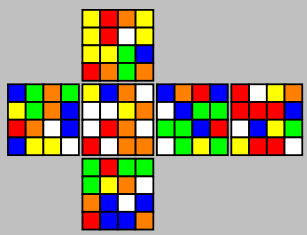
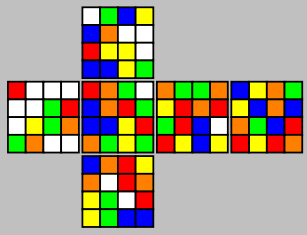
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set I

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set J

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

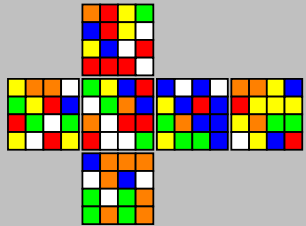
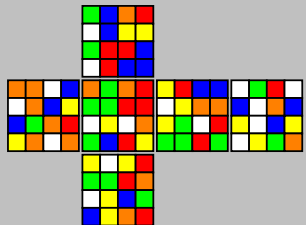
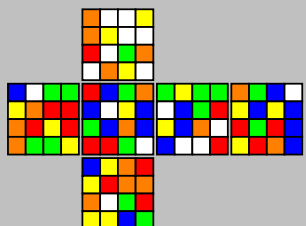
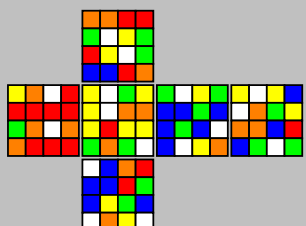
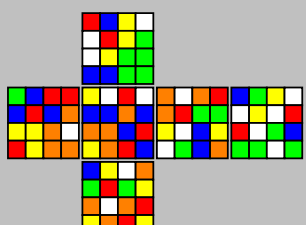
## Extra Scrambles

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

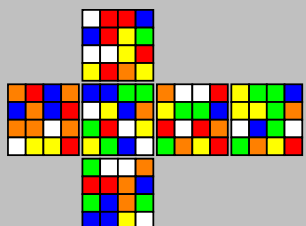
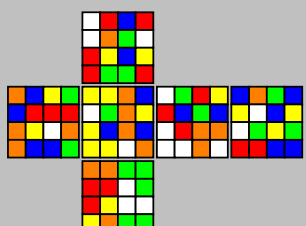
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set K

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set L

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

## Extra Scrambles

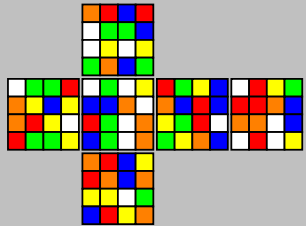
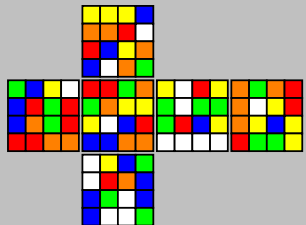
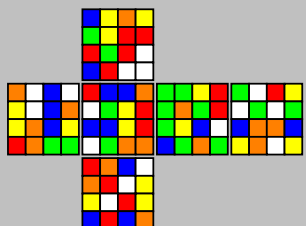
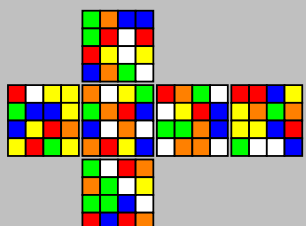
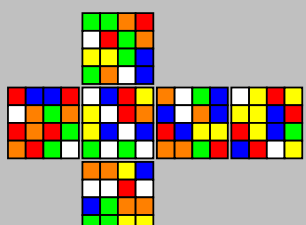
E1	R	U	B'	L	F'	L'	B'	R'	B'
	D2	R2	F'	D2	B2	R2	U2	D2	B
	U'	D2	Rw2	F'	U2	R	Fw2	L	B2
	Uw2	D2	Fw2	B'	R2	Uw'	B	L	Uw
	L	F'	Fw	Rw'	L'	D	B2	R2	
E2	D2	L2	U	L2	R2	U2	F2	D	L2
	F2	L	F	D2	B	R2	D'	B	L'
	B2	U	Rw2	Fw2	Uw2	L	U'	B2	Rw2
	D	R	D2	R	F2	Fw'	L'	Fw'	B
	Rw2	Fw'	Uw'	F'	Rw	B'	D2	U	Fw2



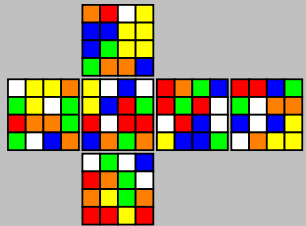
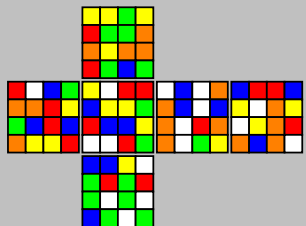
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set M

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

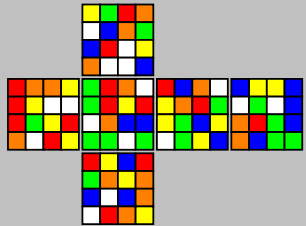
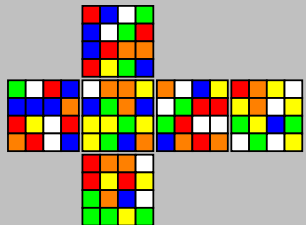
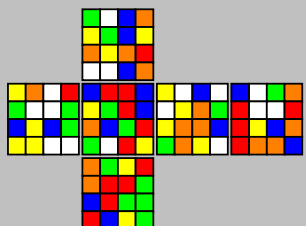
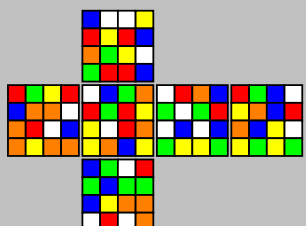
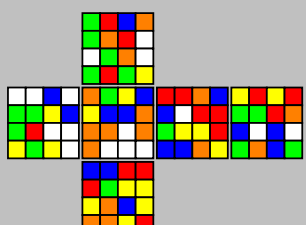
## Extra Scrambles

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

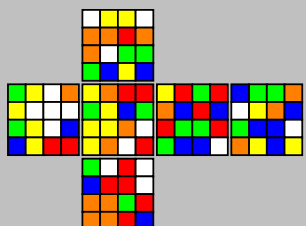
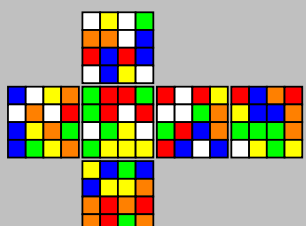
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set N

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

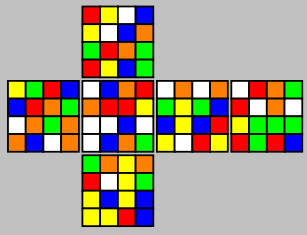
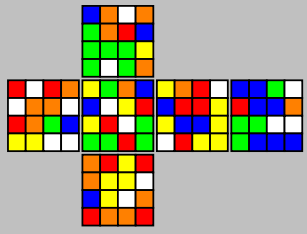
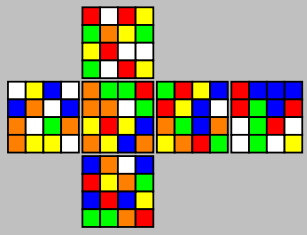
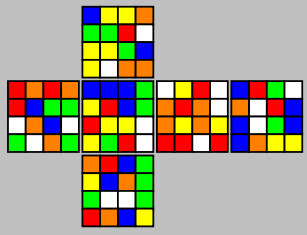
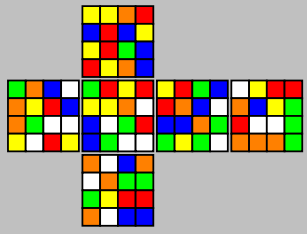
## Extra Scrambles

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

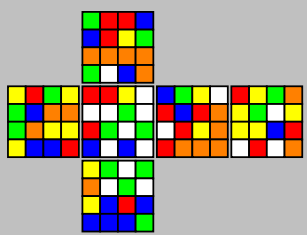
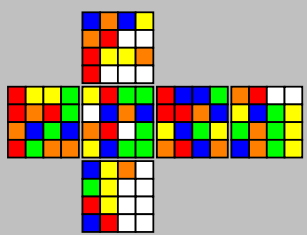
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set O

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set P

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

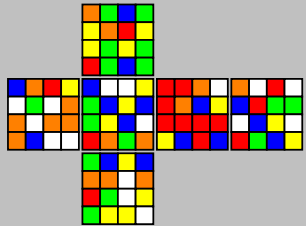
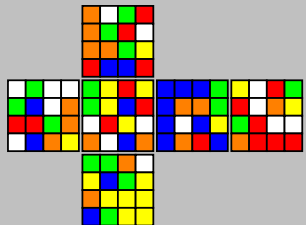
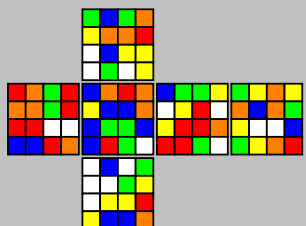
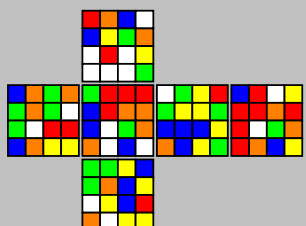
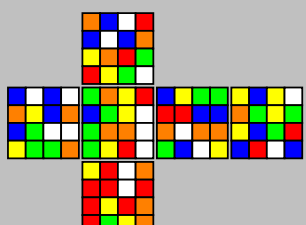
## Extra Scrambles

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

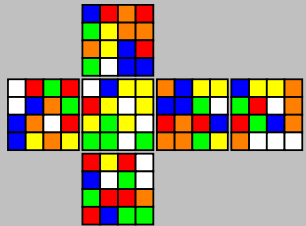
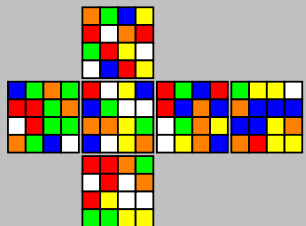
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set Q

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set R

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

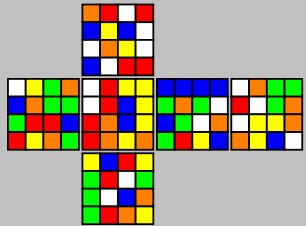
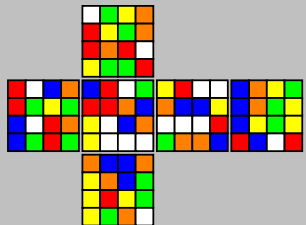
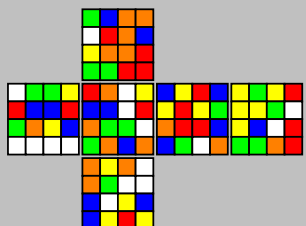
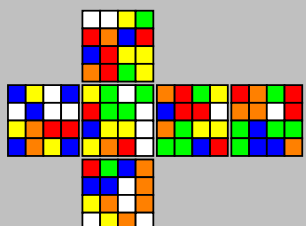
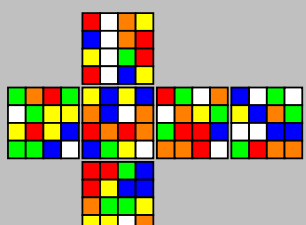
## Extra Scrambles

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

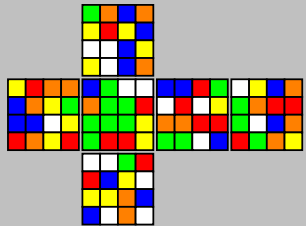
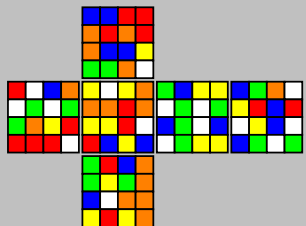
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set S

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

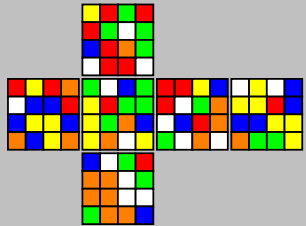
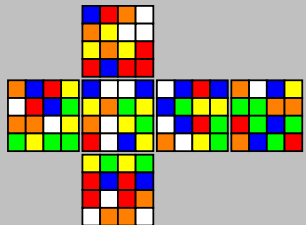
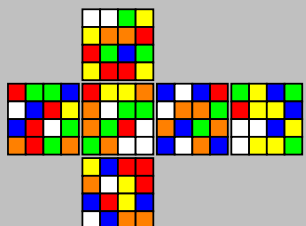
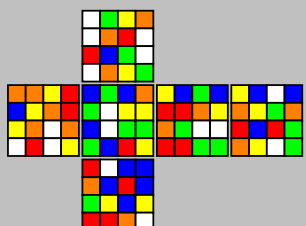
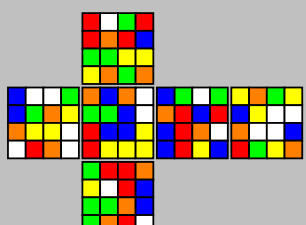
## Extra Scrambles

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

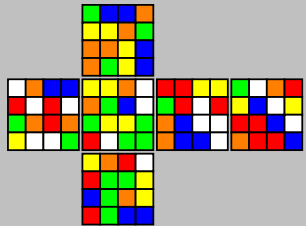
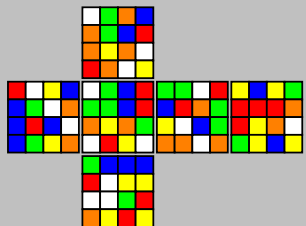
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set T

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

## Extra Scrambles

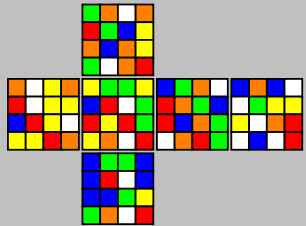
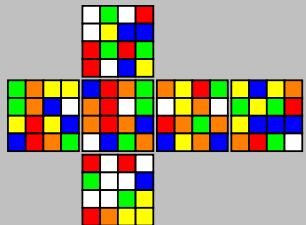
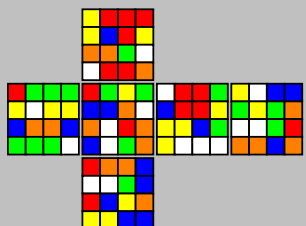
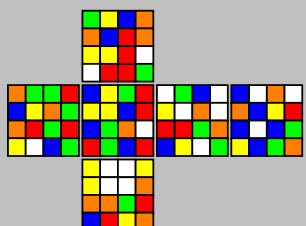
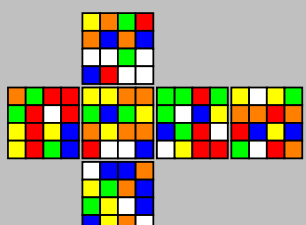
E1	D'	R	U2	B2	D2	L2	B2	U2	R'	
	F2	B	D'	F	U'	B2	D2	R'	B	
	L'	Fw2	U	F2	Uw2	D'	Rw2	R2	B'	
	R2	F2	D'	Rw2	F'	Rw	U	F'	Rw'	
	R2	D	Fw'	Uw	Rw2	U2	Fw'	Rw	D	
E2	F	D2	B2	L	B2	L	R2	D2	L	
	R2	B	R	U	F'	R'	F'	R'	D'	
	F'	U	Uw2	R'	F	Uw2	U2	Fw2	L	
	F'	L'	B2	Uw2	Rw2	Uw	L	Uw	D	
	F	Rw	B2	Uw'	F	Rw2	B	D		



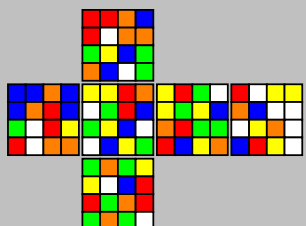
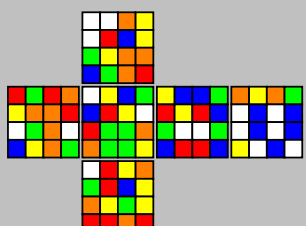
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set U

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

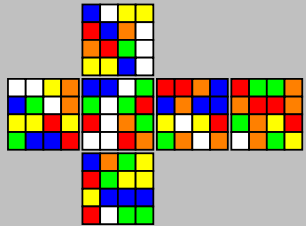
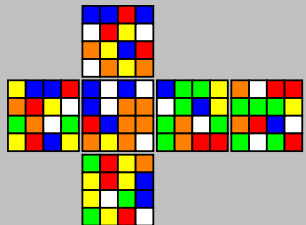
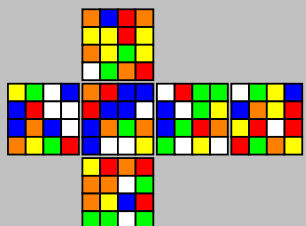
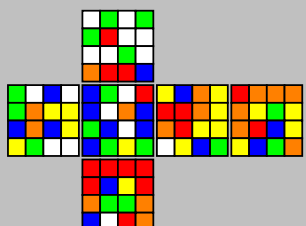
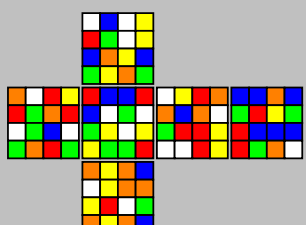
## Extra Scrambles

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

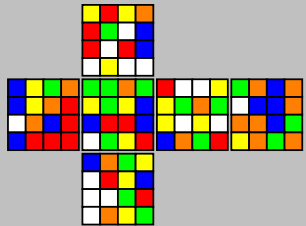
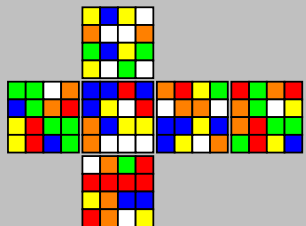
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set V

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

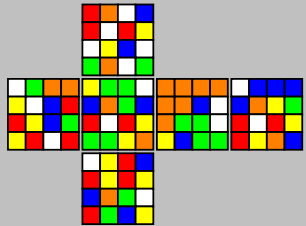
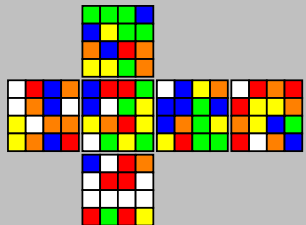
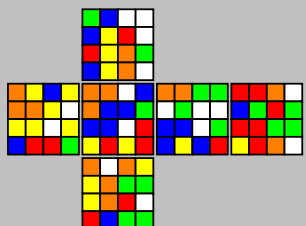
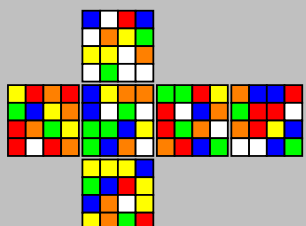
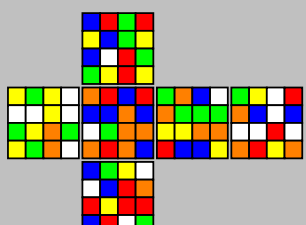
## Extra Scrambles

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

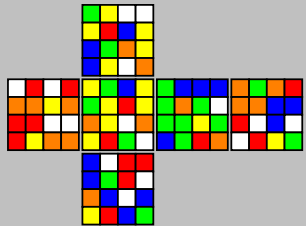
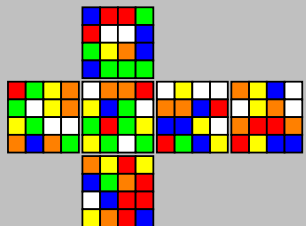
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set W

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set X

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

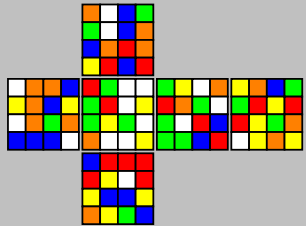
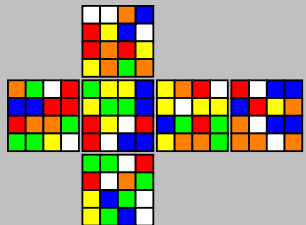
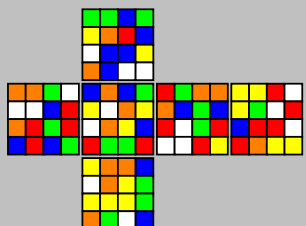
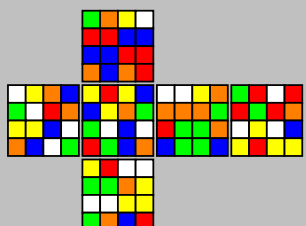
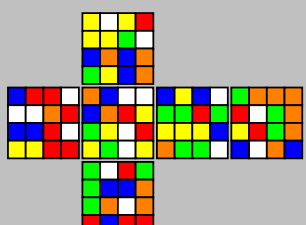
## Extra Scrambles

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

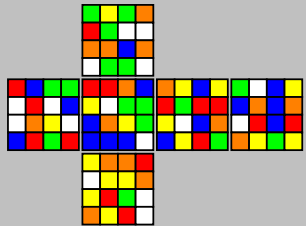
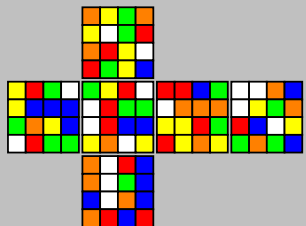
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set Y

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

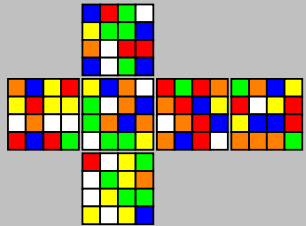
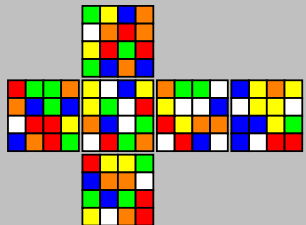
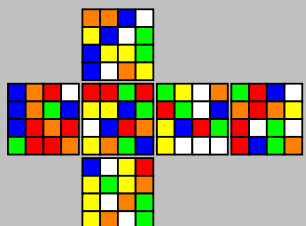
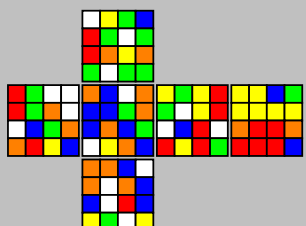
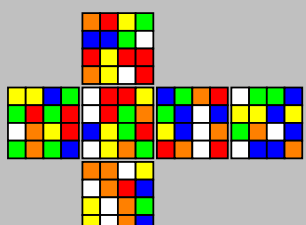
## Extra Scrambles

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

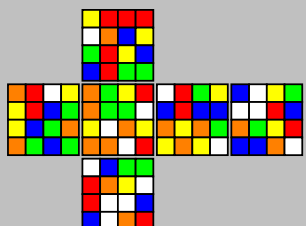
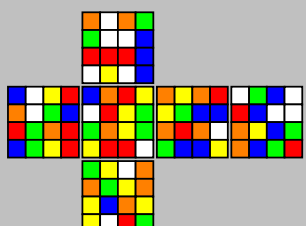
## 0505 Testcase 1

2024-05-08

4x4x4 Round 3 Scramble Set @

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

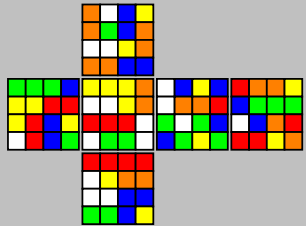
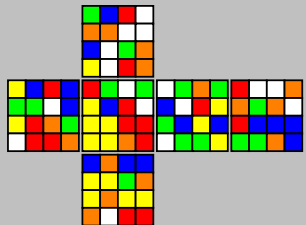
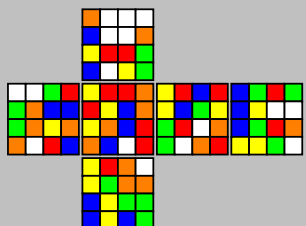
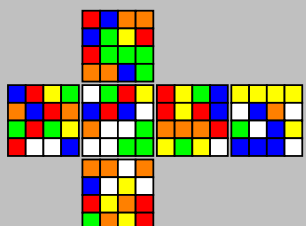
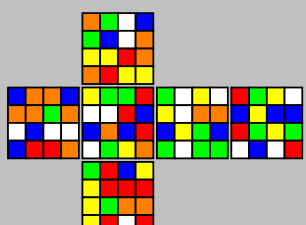
## Extra Scrambles

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

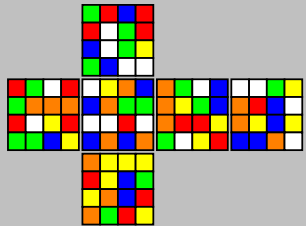
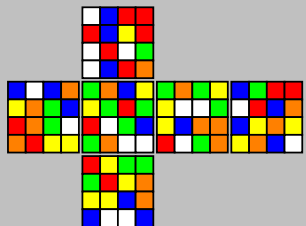
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set A

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

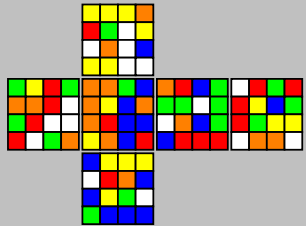
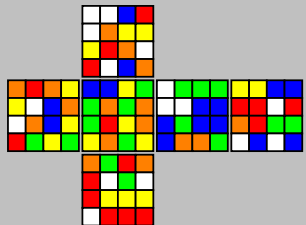
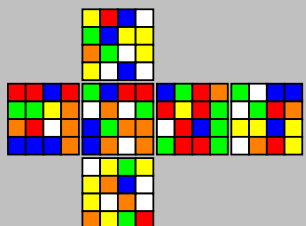
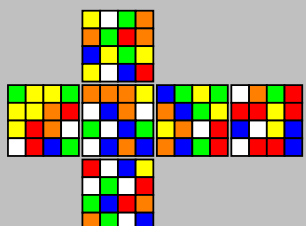
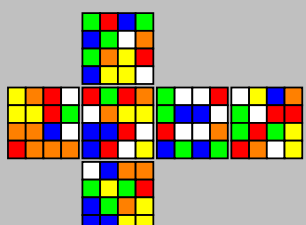
## Extra Scrambles

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

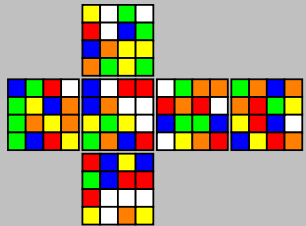
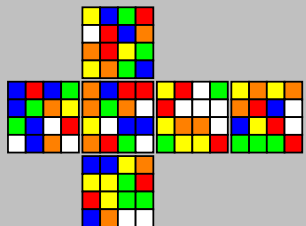
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set B

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

## Extra Scrambles

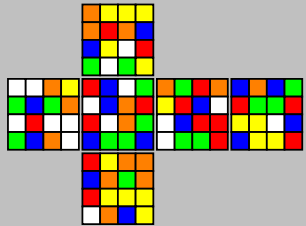
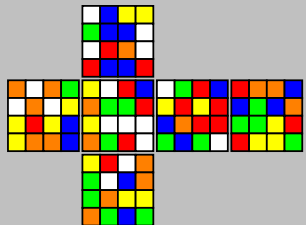
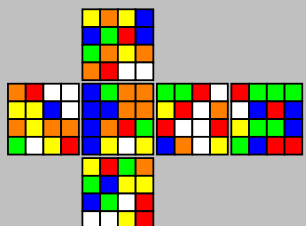
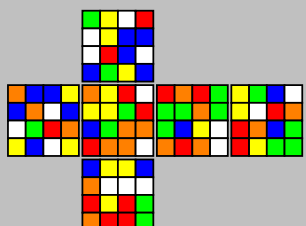
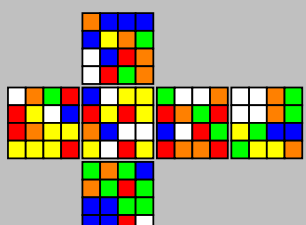
E1	F U' R L' U F L2 F D' F L2 B L2 B' D2 F L2 B2 R2 L Rw2 Uw2 D' R2 F' D U B Rw2 B' F2 Uw2 U2 Rw F2 L U Rw2 Fw D Rw' D L' Fw F	
E2	L2 B D2 F2 L2 D2 F U2 B L2 R D' U R2 D L2 D B' L' F R Fw2 U2 R D2 Fw2 Uw2 L B' Uw2 Rw2 B' D2 Fw2 U' R Uw' R' Uw2 Fw Uw2 Rw B' R' Fw U' L2	



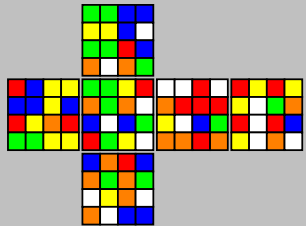
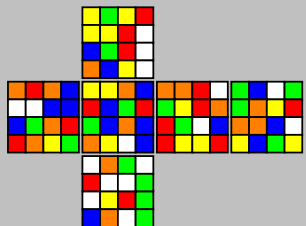
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set C

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

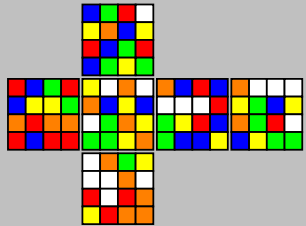
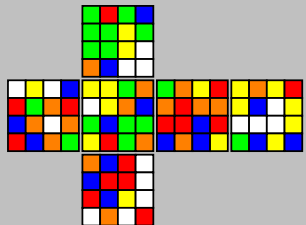
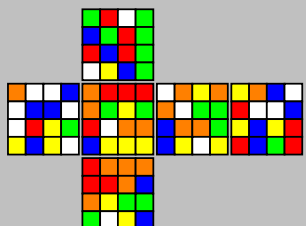
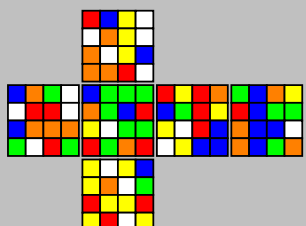
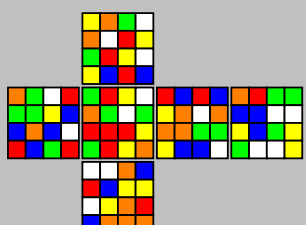
## Extra Scrambles

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

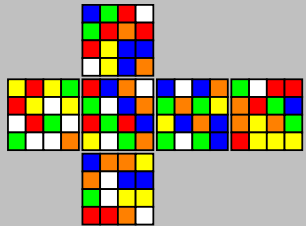
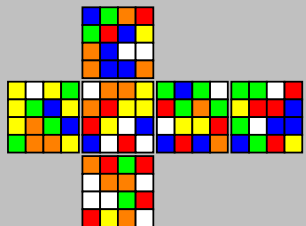
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set D

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set E

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set F

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

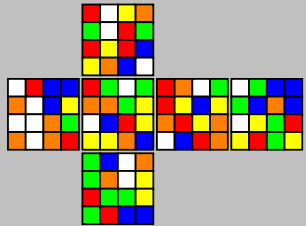
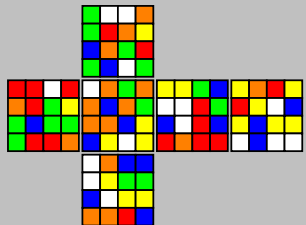
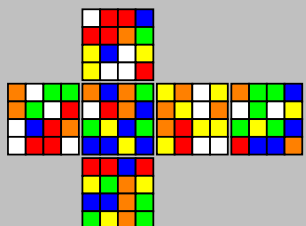
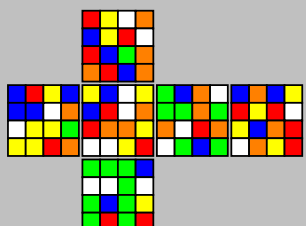
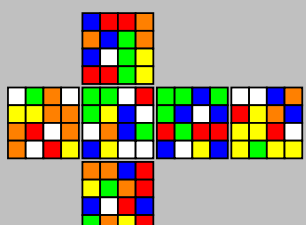
## Extra Scrambles

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

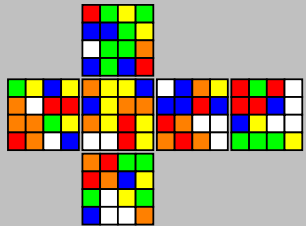
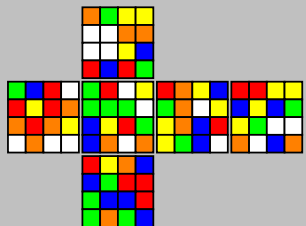
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set G

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

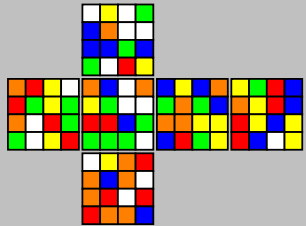
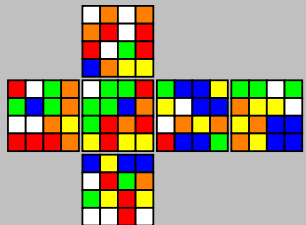
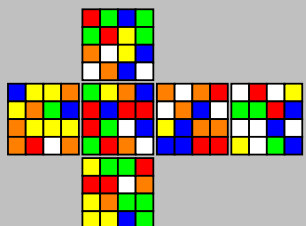
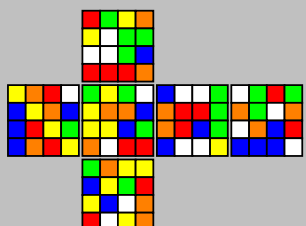
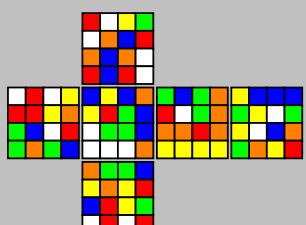
## Extra Scrambles

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

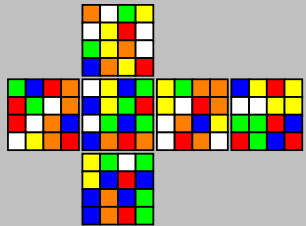
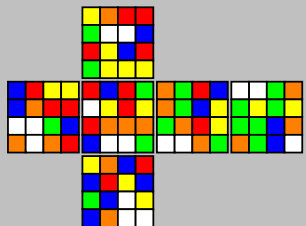
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set H

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set I

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

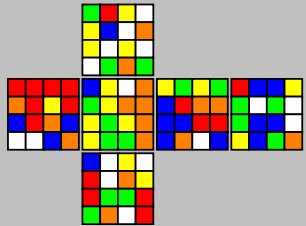
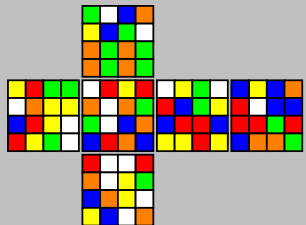
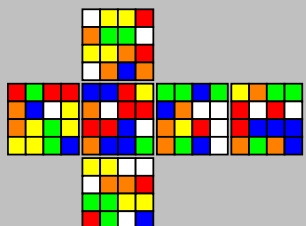
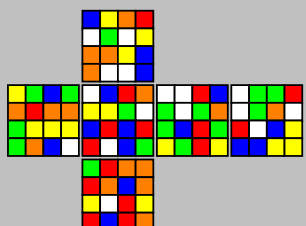
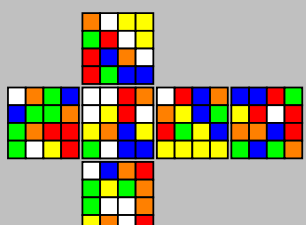
## Extra Scrambles

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

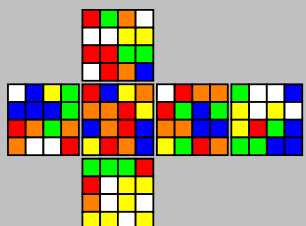
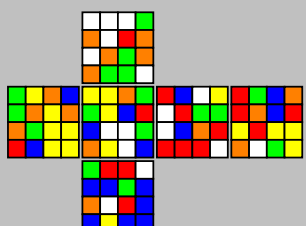
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set J

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

## Extra Scrambles

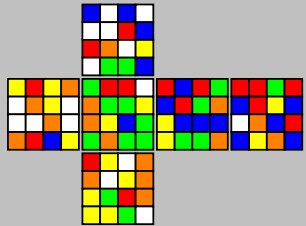
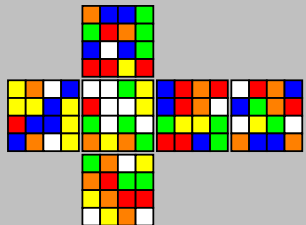
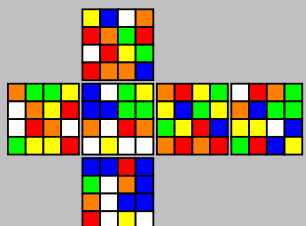
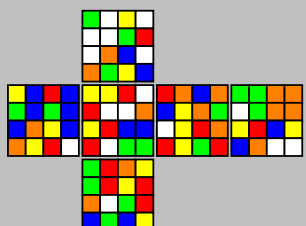
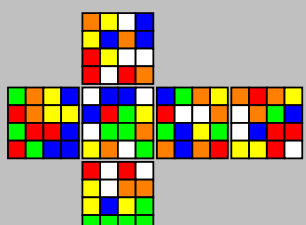
E1	F2 U B U2 R B' F2 D2 L2 U2 L2 F2 L' B2 R' F2 U' Fw2 L' D Fw2 D L' B2 Rw2 U' D2 L U D' Fw B' R2 Fw2 D F' Uw' Fw' Rw Fw F U R2	
E2	B2 L B U L2 B L2 D2 B2 R2 B R2 B2 D R' U' R U2 B' U Rw2 F' Uw2 B' L' R Uw2 L U2 L' D2 B' U2 D' Rw2 Uw' F2 U' B2 Rw' Fw U2 L Uw' B2 Uw'	



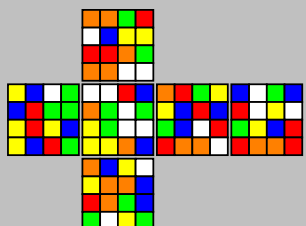
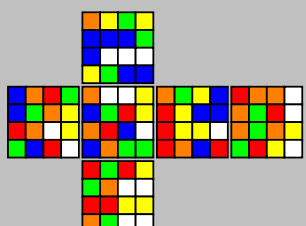
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set K

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

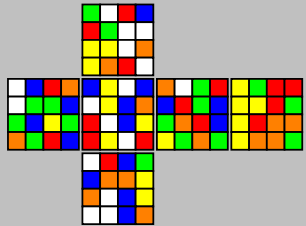
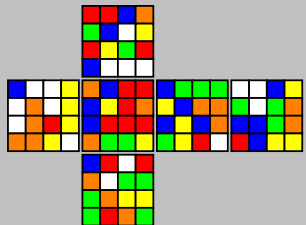
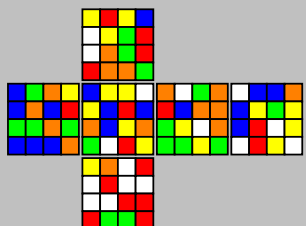
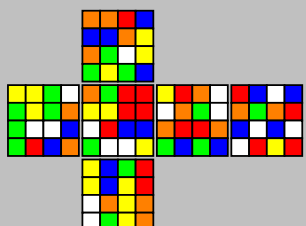
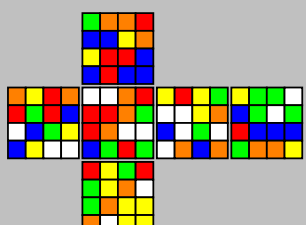
## Extra Scrambles

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

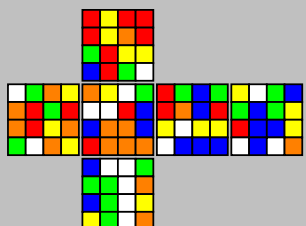
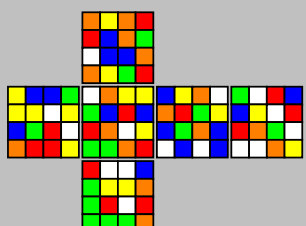
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set L

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

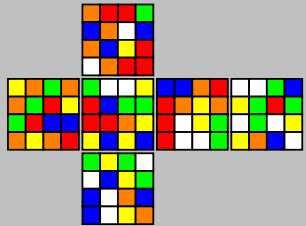
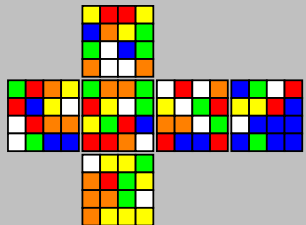
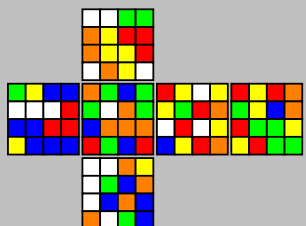
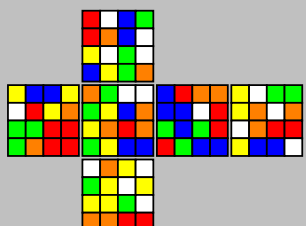
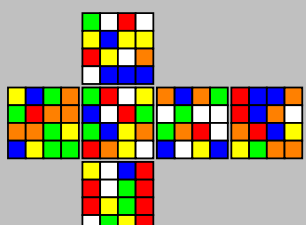
## Extra Scrambles

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

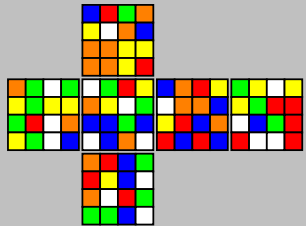
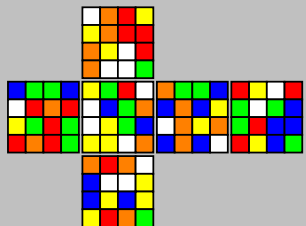
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set M

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

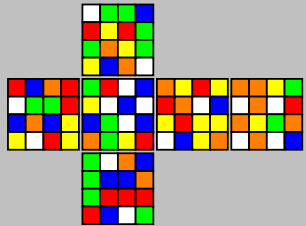
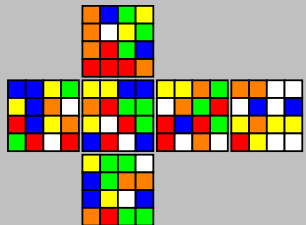
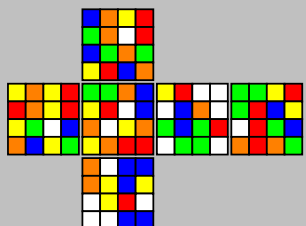
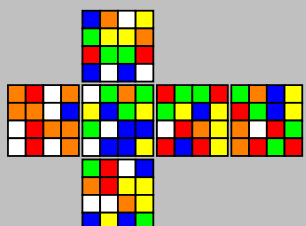
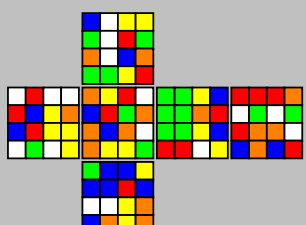
## Extra Scrambles

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

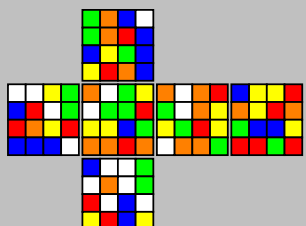
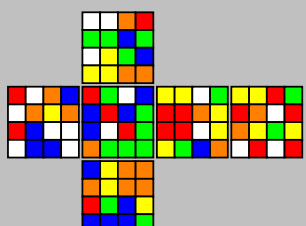
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set N

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

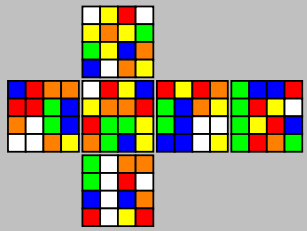
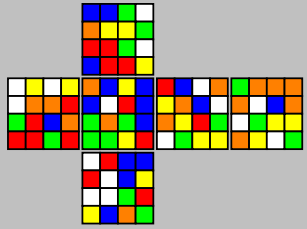
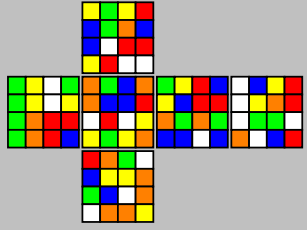
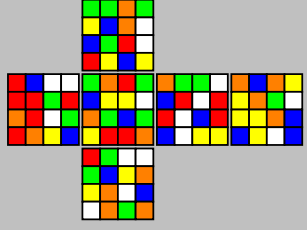
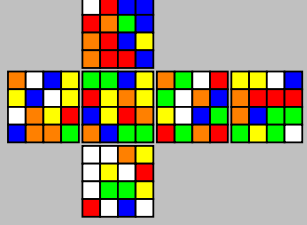
## Extra Scrambles

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

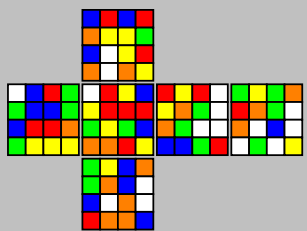
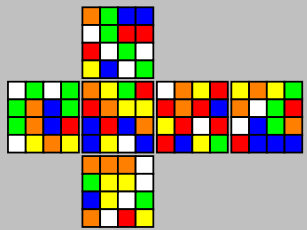
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set O

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

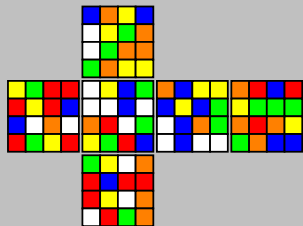
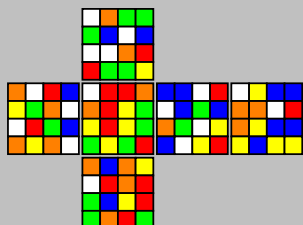
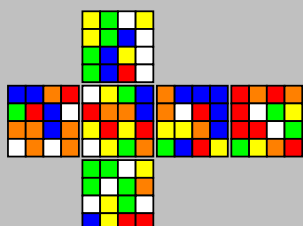
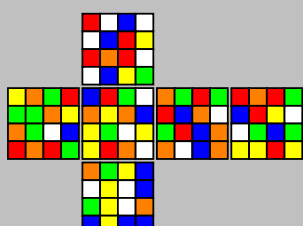
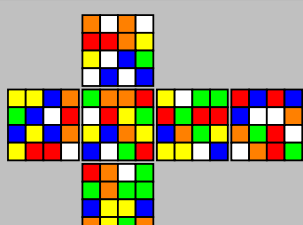
## Extra Scrambles

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

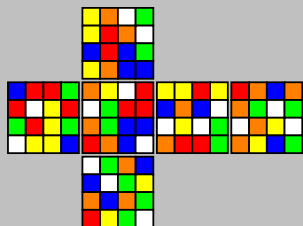
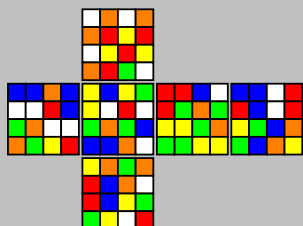
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set P

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

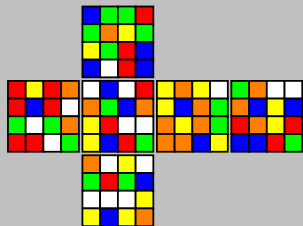
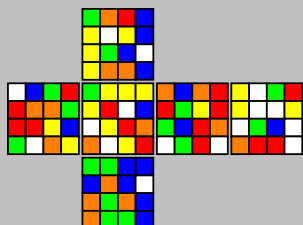
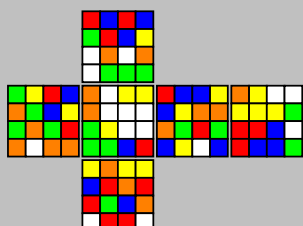
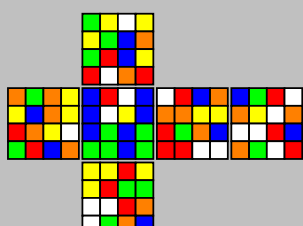
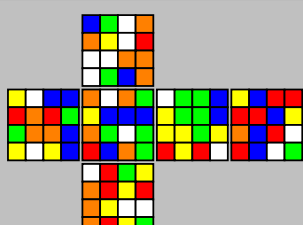
## Extra Scrambles

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

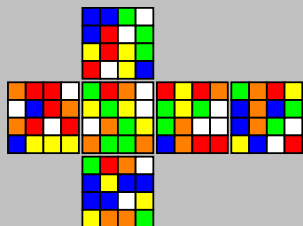
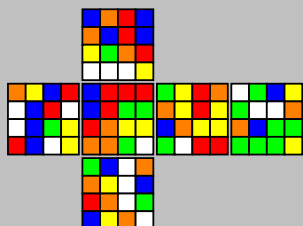
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set Q

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set R

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

## Extra Scrambles

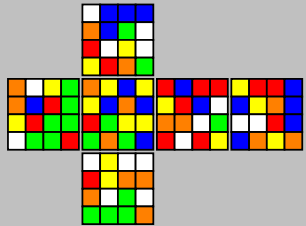
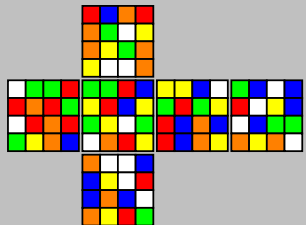
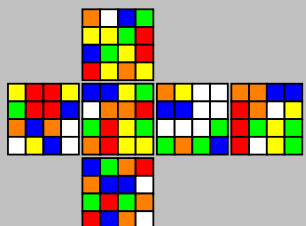
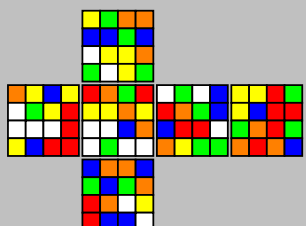
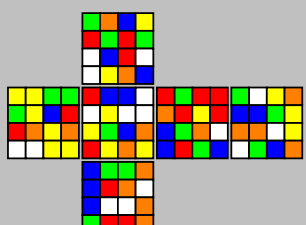
E1	L2 B2 D B' U2 R' F' B2 R F2 D2 B2 F2 R2 F2 L' D L' F' Fw2 R F' Rw2 Fw2 R B U2 Fw2 Rw2 F2 D2 Rw2 Uw' R2 F' Uw' D Fw Rw F Uw2 U2	
E2	D2 R' D' R' D' F2 U F' U' F2 L2 D R2 U F2 D2 B2 R' B2 Fw2 U' D2 L2 Fw2 Rw2 R2 F' Uw2 B' Uw2 U2 Rw U' D' L' Uw2 U' R Fw' Uw B' Rw' Fw2 L'	



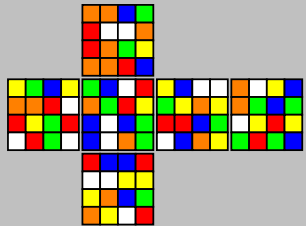
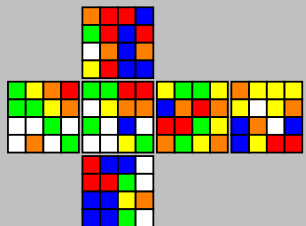
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set S

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set T

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

## Extra Scrambles

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

## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set U

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

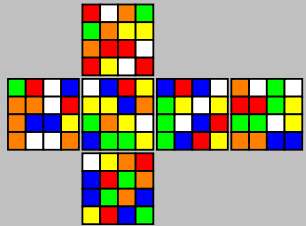
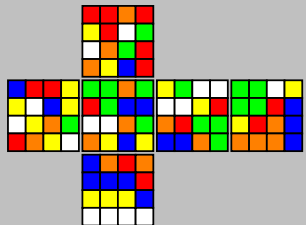
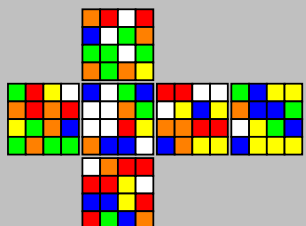
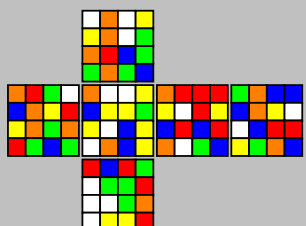
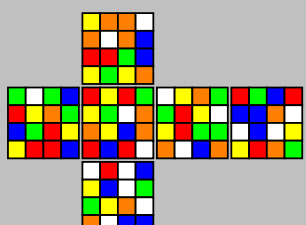
## Extra Scrambles

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

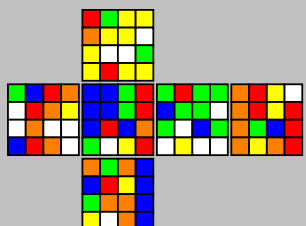
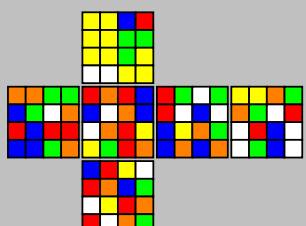
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set V

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

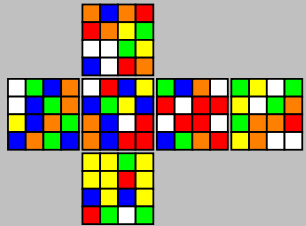
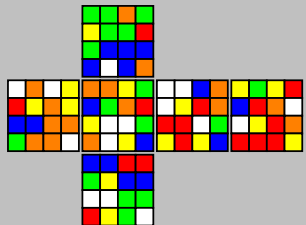
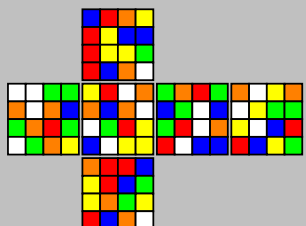
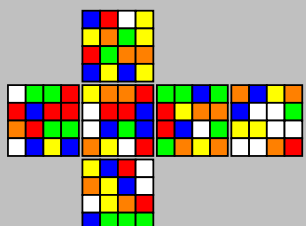
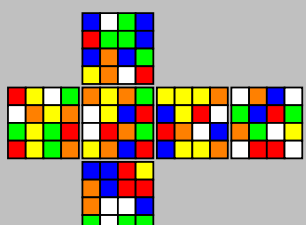
## Extra Scrambles

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

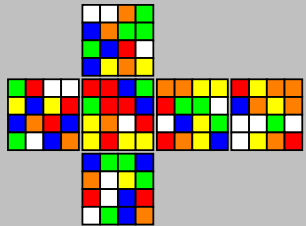
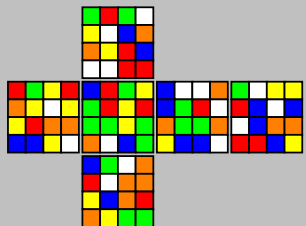
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set W

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

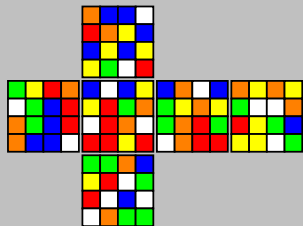
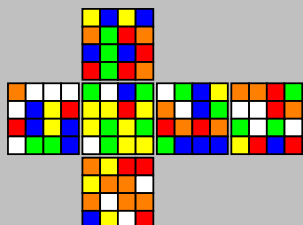
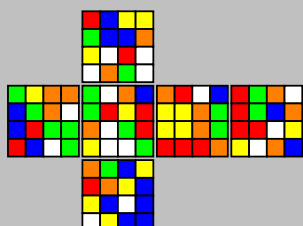
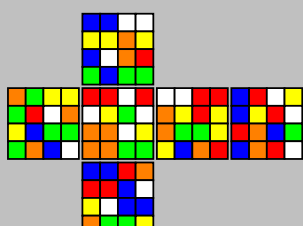
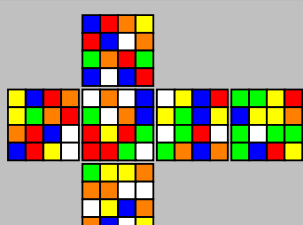
## Extra Scrambles

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

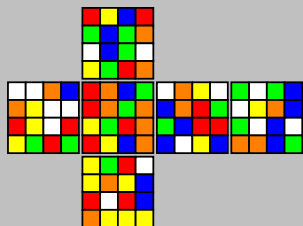
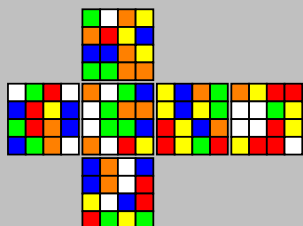
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set X

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

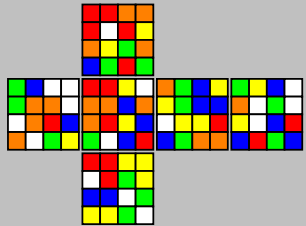
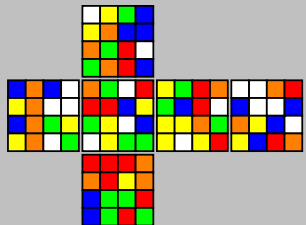
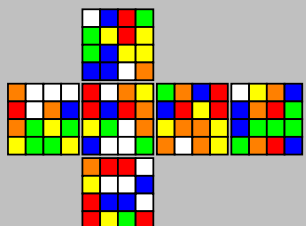
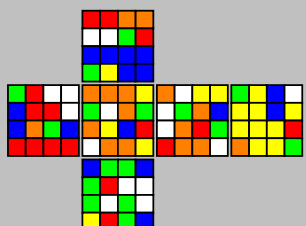
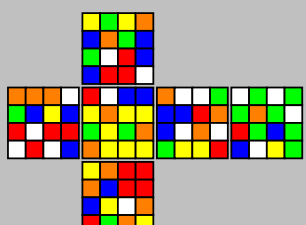
## Extra Scrambles

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

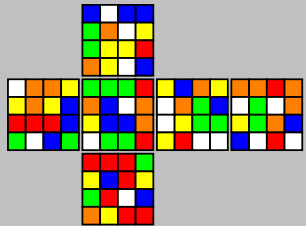
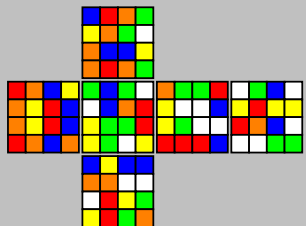
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set Y

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

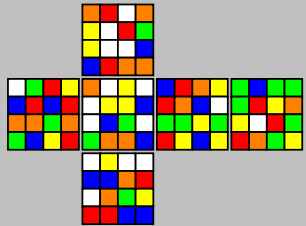
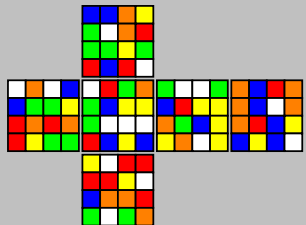
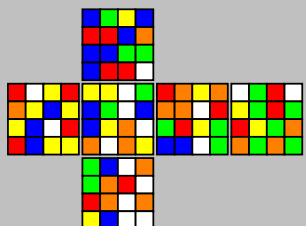
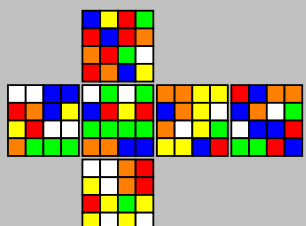
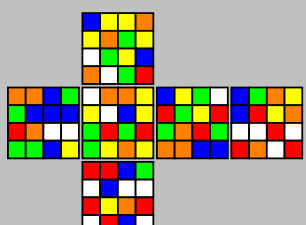
## Extra Scrambles

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

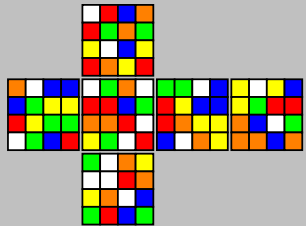
## 0505 Testcase 1

2024-05-08

4x4x4 Round 4 Scramble Set @

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

## Extra Scrambles

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