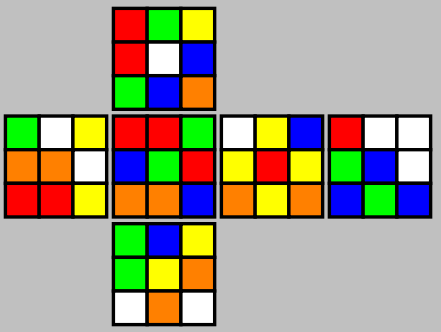
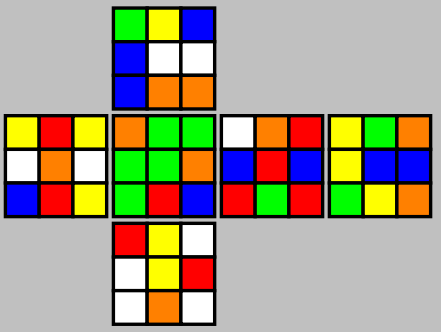
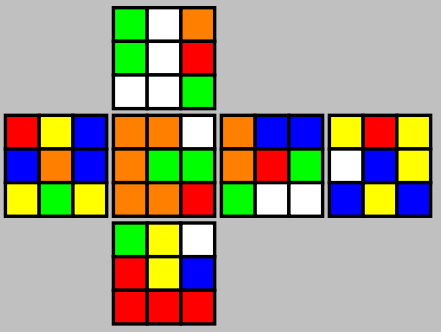
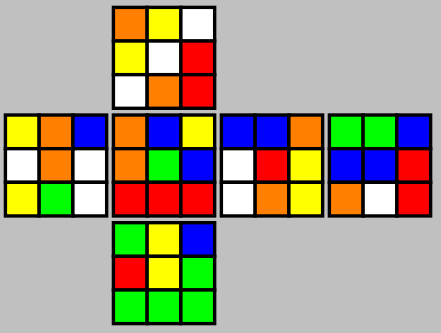
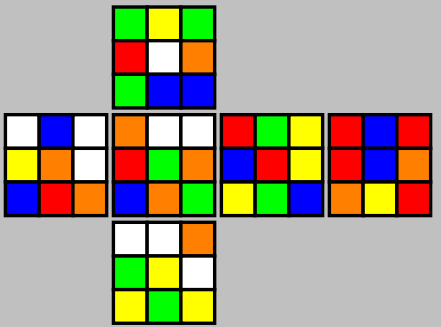
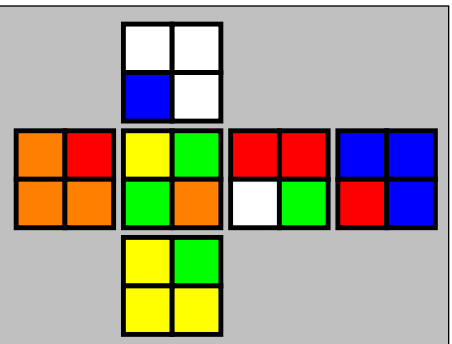
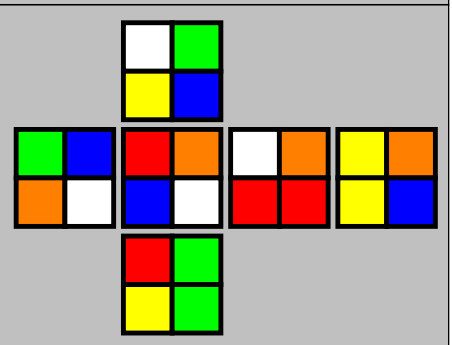
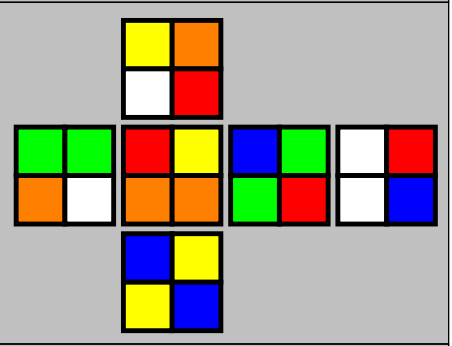
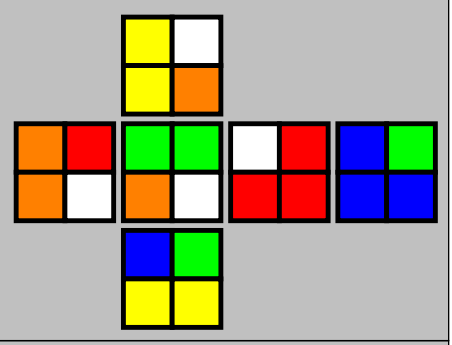
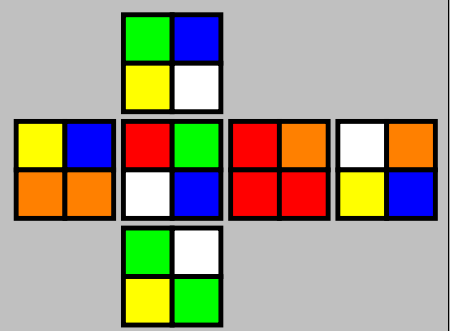
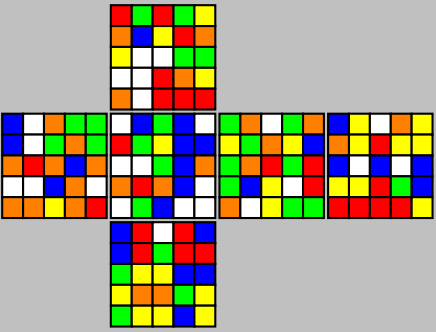
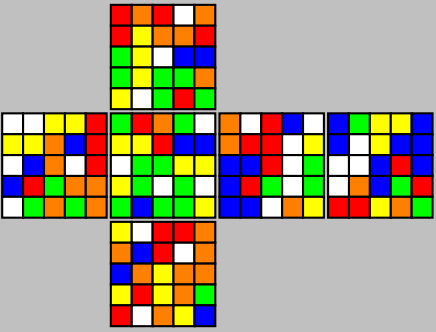
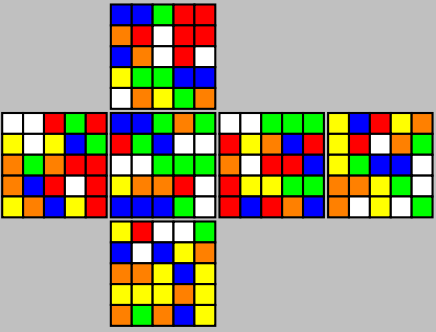
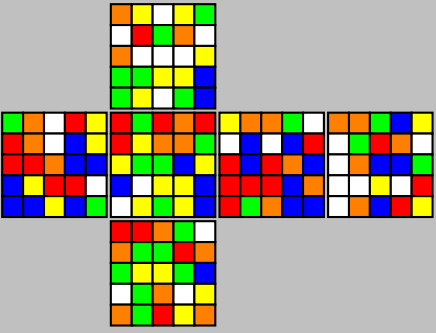
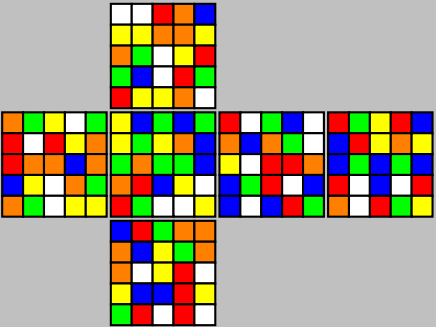


| | | |
|----|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. | L' $D2$ $R2$ $D2$ $F2$ L $U2$ R' $B2$ $U2$ $L2$ F D $L2$ B $L2$ $R2$ D' U' R' B | 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

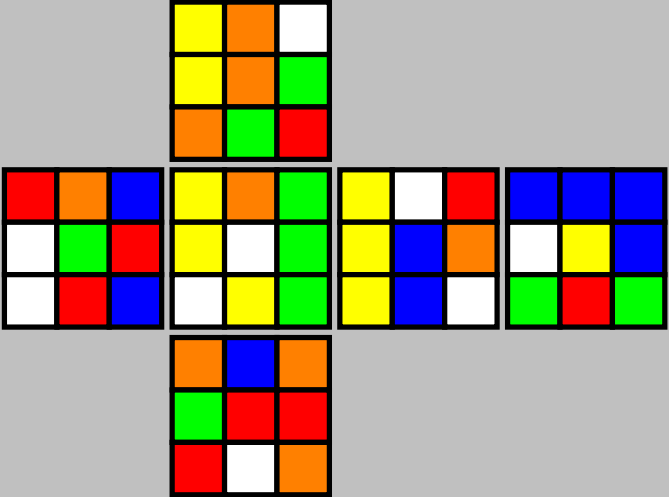
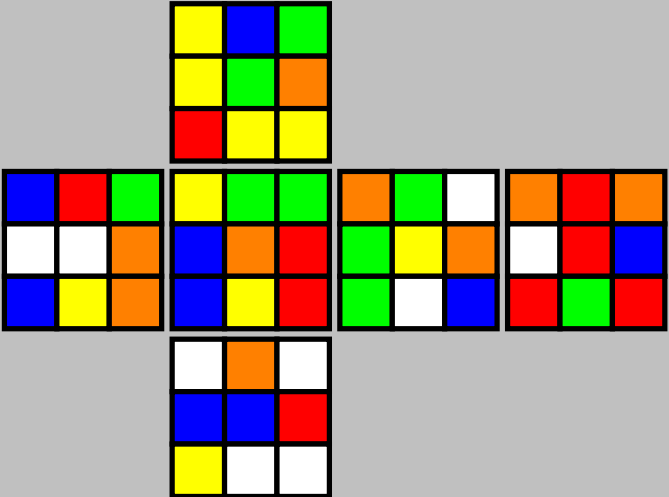
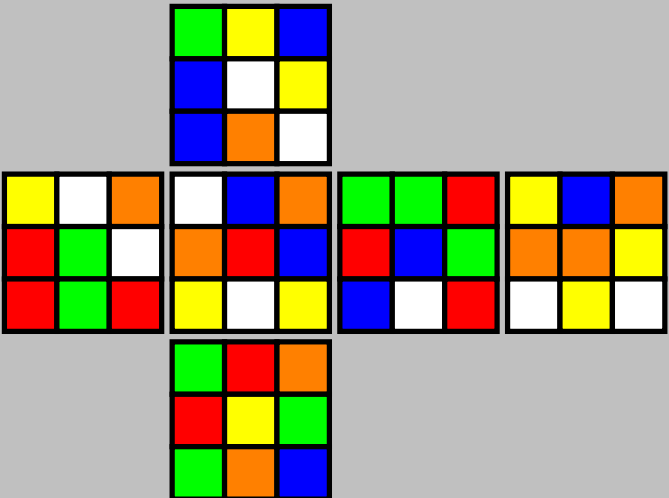
| | | |
|----|---------------------------------------|---------------------------------------------------------------------------------------|
| 1. | $U^2 R U^2 R' U' R' U^2 F' U^2 F R^2$ |  |
| 2. | $U' R' F U^2 F R U' R' U F' U^2$ |  |
| 3. | $R' U^2 F' U' R^2 U R' F U^2 R^2 F'$ |  |
| 4. | $U' R U R' F U' F' R U^2 R' U^2$ |  |
| 5. | $U R' F R U' R' F U' F^2 U^2 F'$ |  |

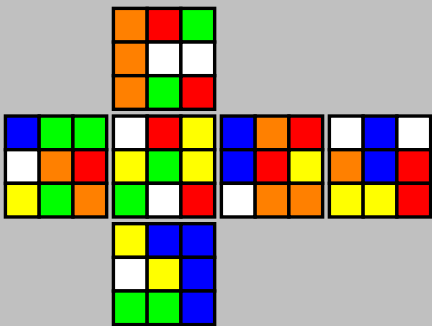
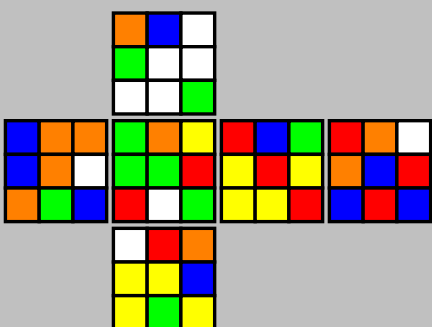
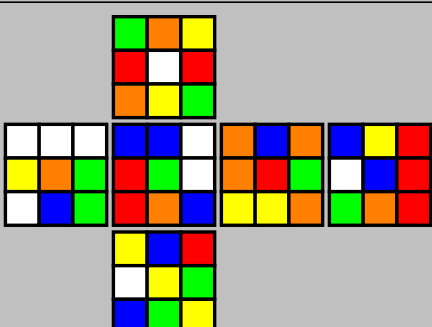
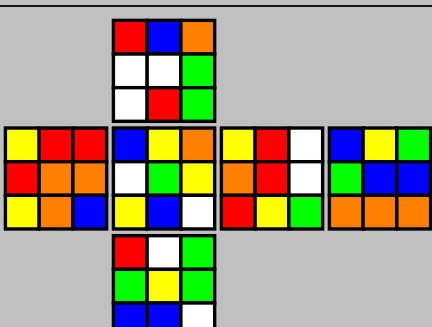
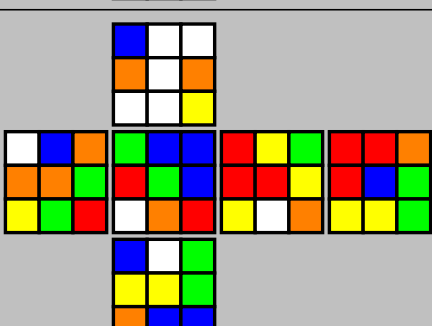
| | | | | | | | |
|----|-----|-----|-----|-----|-----|-----|-----|
| 1. | D | F | Rw' | Fw' | B | Rw' | D |
| | R2 | Uw | Fw' | U2 | Rw | L2 | Fw' |
| | B' | F' | D' | F2 | Uw | L2 | D2 |
| | B | R' | D' | R2 | U2 | B2 | D2 |
| | Uw2 | B | L | U | F' | U2 | L2 |
| | D | B' | Fw | Uw2 | B2 | | |
| 2.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

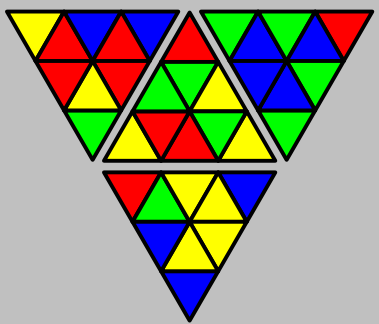
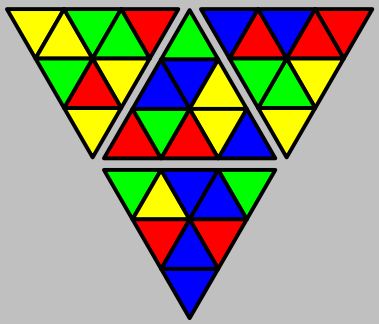
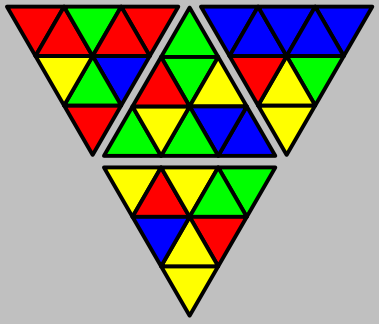
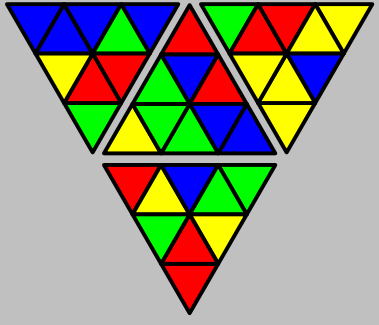
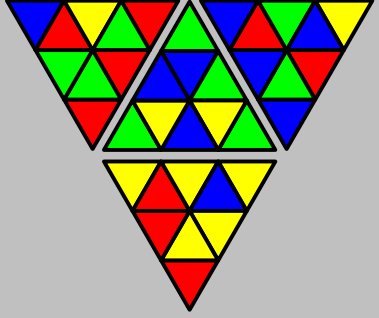
| | | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|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

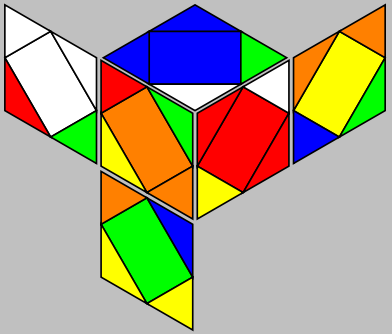
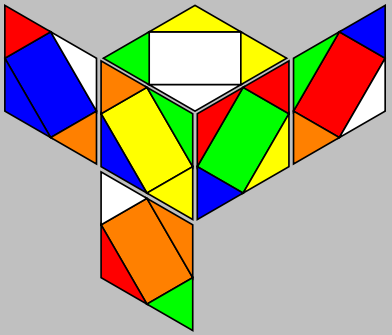
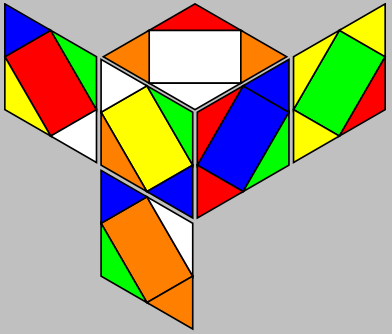
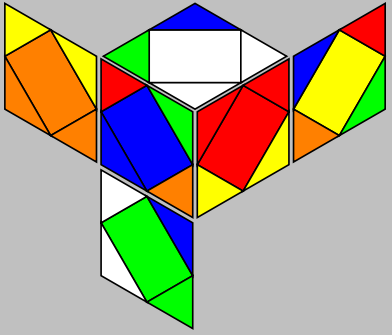
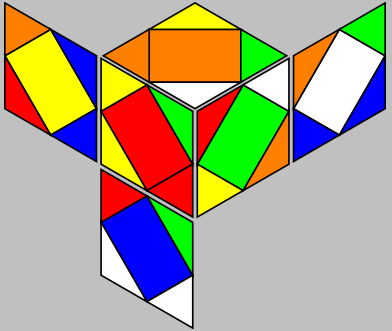
| | | | | | | |
|----|------|------|------|------|------|------|
| 1. | Bw | 3Uw' | Lw | 3Uw | Dw | Uw2 |
| | R | Lw | Bw2 | 3Uw | R' | D |
| | 3Rw' | Uw2 | R' | D' | Uw2 | U |
| | Bw' | Rw | Lw' | 3Fw | Uw' | Lw |
| | Rw | B2 | 3Uw2 | U' | D | Dw' |
| | Lw2 | Bw2 | L2 | Dw' | U2 | Rw' |
| | Lw | Dw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

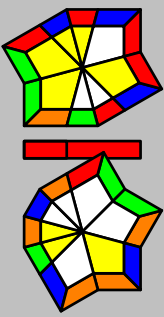
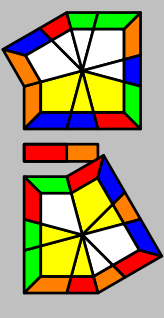
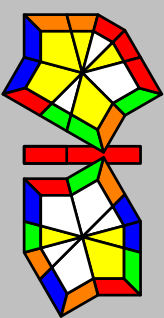
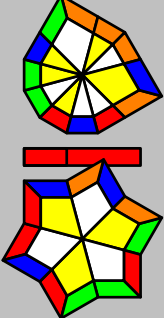
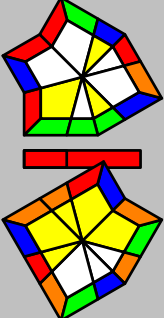
| | | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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

| | | |
|----|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 1. | <p>D U' R2 U B2 F2</p> <p>U' F2 U' L B F</p> <p>L' F' R' B L R2</p> <p>D' L2 Fw Uw</p> |  |
| 2. | <p>U' L2 B2 D'</p> <p>B2 R2 B2 R2</p> <p>U L D F'</p> <p>D2 L' R' F</p> <p>L2 R' D' B2</p> <p>Rw Uw'</p> |  |
| 3. | <p>U' B2 R2 U2 R2 D'</p> <p>R2 U' R2 U R' D'</p> <p>L F U' B' U2 R'</p> <p>B' L Uw</p> |  |

| | | |
|----|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. | U' F^2 L^2 U F^2 U^2 L^2 U' B' U^2 B' F^2 R F^2 D' U R' B' |  |
| 2. | U L^2 D R^2 D L^2 B^2 D^2 L^2 U L B D' U L^2 R D^2 U' B D^2 |  |
| 3. | F^2 U^2 B^2 L' U^2 R^2 F^2 D^2 F^2 U^2 B R U B^2 L^2 F' R U' B' F' |  |
| 4. | D^2 L^2 B D^2 F^2 D^2 U^2 L^2 R U R' F' R U L^2 B L' U^2 L |  |
| 5. | D^2 F' R^2 B^2 R^2 F' R^2 B' U^2 R^2 U L B F D L U^2 F D^2 B^2 |  |

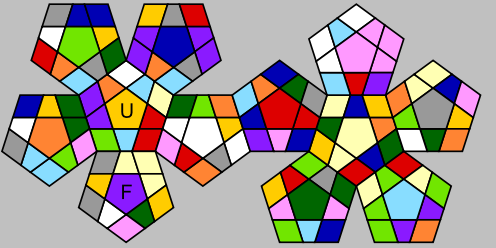
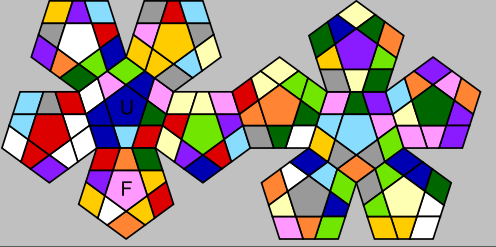
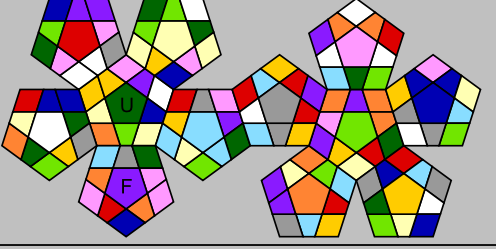
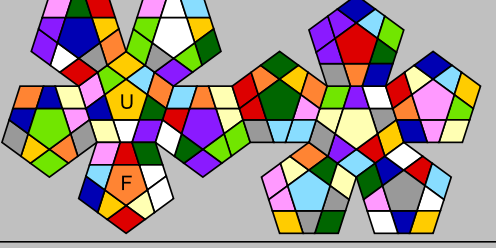
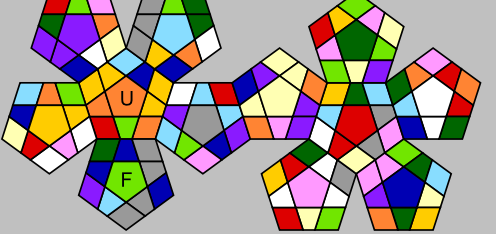
| | | |
|----|-------------------------------------------|---------------------------------------------------------------------------------------|
| 1. | $U' L' B R' U' R U' R' B' R L' u' l r b'$ |  |
| 2. | $U' R' L R' U' L' U R' U' B' R u' l r$ |  |
| 3. | $B L' U R B U B L U L' R l$ |  |
| 4. | $U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

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

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

2019-06-14

minx
Scrambles for 2019-06-14

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

| | | |
|----|---------------------------------------------------------------------------------------------------------------------------------------|--|
| 1. | <div>UR1+ DR4+ DL6+ UL0+</div> <div>U6+ R1- D2+ L6+</div> <div>ALL1+ y2 U4- R1-</div> <div>D4+ L5+ ALL6+ UR</div> <div>DR</div> | |
| 2. | <div>UR2- DR4+ DL1+ UL3+</div> <div>U1- R5+ D1- L4-</div> <div>ALL6+ y2 U0+ R4-</div> <div>D6+ L2+ ALL3- UL</div> | |
| 3. | <div>UR0+ DR5- DL4- UL4+</div> <div>U2- R0+ D5- L6+</div> <div>ALL2- y2 U4- R4-</div> <div>D4+ L2+ ALL4- UR</div> <div>UL</div> | |
| 4. | <div>UR5+ DR3- DL4+ UL2-</div> <div>U6+ R5+ D4+ L1+</div> <div>ALL5+ y2 U2- R2+</div> <div>D4- L1+ ALL0+ UR</div> <div>DR DL</div> | |
| 5. | <div>UR5+ DR4- DL3+ UL2-</div> <div>U2- R5+ D6+ L2-</div> <div>ALL4+ y2 U4- R4-</div> <div>D0+ L3- ALL5+ UR</div> <div>DR DL UL</div> | |

Fewest Moves

- > You have 60 minutes to find and write a solution.
- > Write 1 move per bar. To delete a move, clearly blacken it.
- > Your solution must not be directly derived from any part of the scrambling algorithm.
- > Your solution must be at most 80 moves, including rotations.
- > Your result will be counted in OBTM.
- > Only use notation from Article 12 of the WCA Regulations. If you are uncertain, use only the exact moves listed here:

Face Moves

Clockwise F R U B L D

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

Double F2 R2 U2 B2 L2 D2

Rotations

Clockwise [f] [r] [u] [b] [l] [d]

Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d']

Double [f2] [r2] [u2] [b2] [l2] [d2]

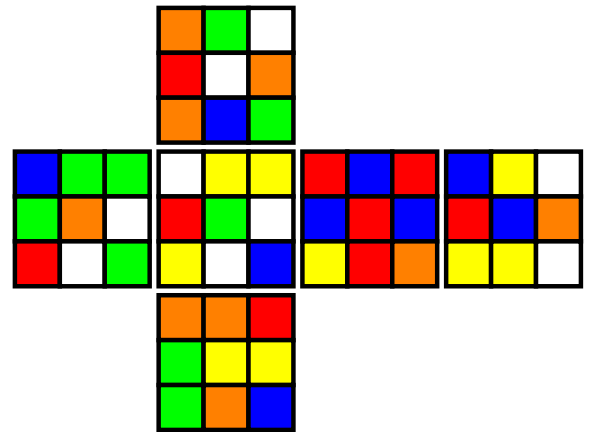
Scrambles for 2019-06-14
333fm

Competitor: _____

WCA ID: _____

DO NOT FILL IF YOU ARE THE COMPETITOR.

Graded by: _____ Result: ____



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

A blank sheet of white paper with a light gray grid pattern. The grid consists of 10 columns and 8 rows of squares, formed by thin gray lines. There are no margins or other markings on the page.

Fewest Moves

- > You have 60 minutes to find and write a solution.
- > Write 1 move per bar. To delete a move, clearly blacken it.
- > Your solution must not be directly derived from any part of the scrambling algorithm.
- > Your solution must be at most 80 moves, including rotations.
- > Your result will be counted in OBTM.
- > Only use notation from Article 12 of the WCA Regulations. If you are uncertain, use only the exact moves listed here:

Face Moves

Clockwise F R U B L D

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

Double F2 R2 U2 B2 L2 D2

Rotations

Clockwise [f] [r] [u] [b] [l] [d]

Counter-clockwise [f'] [r'] [u'] [b'] [l'] [d']

Double [f2] [r2] [u2] [b2] [l2] [d2]

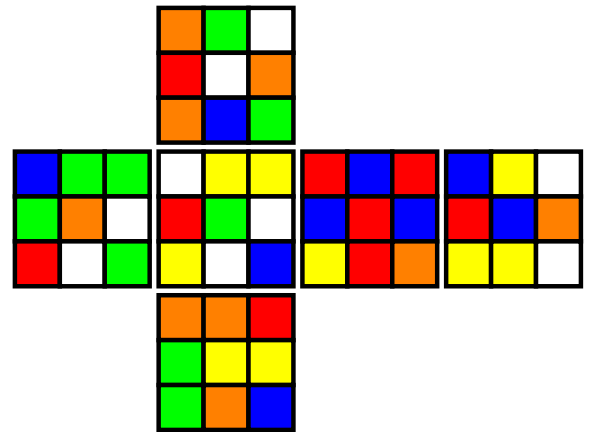
Scrambles for 2019-06-14
333fm

Competitor: _____

WCA ID: _____

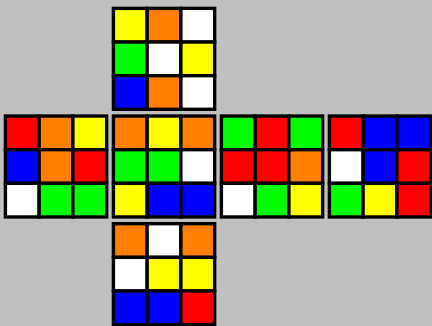
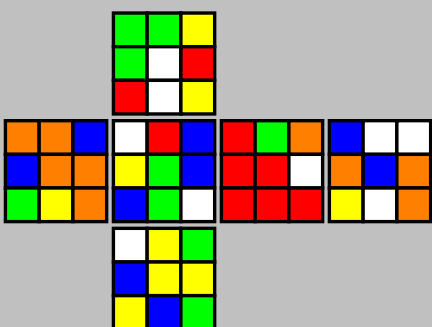
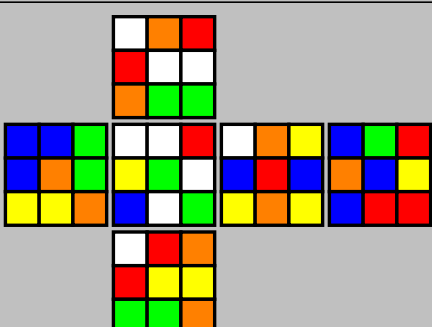
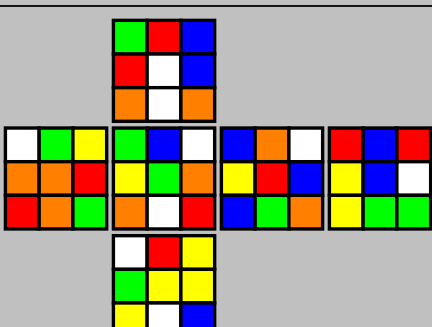
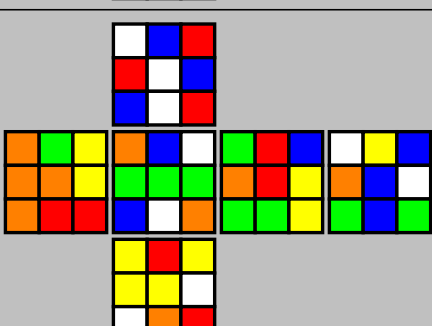
DO NOT FILL IF YOU ARE THE COMPETITOR.

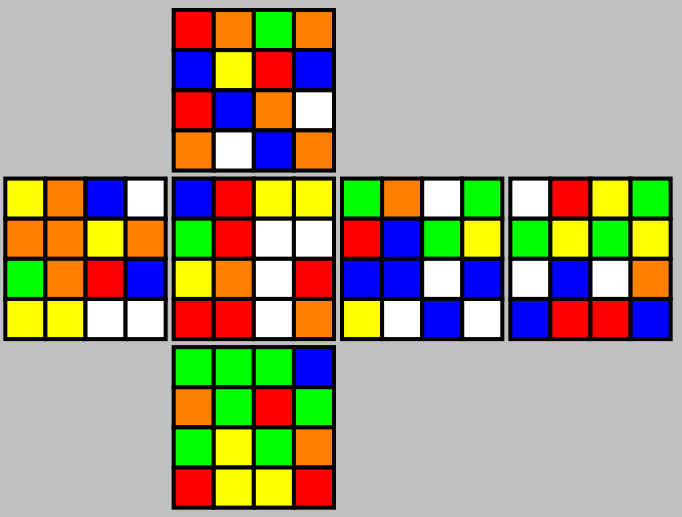
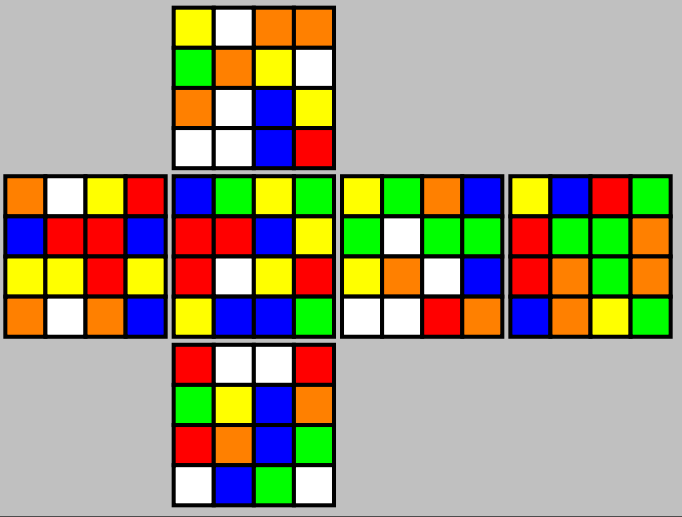
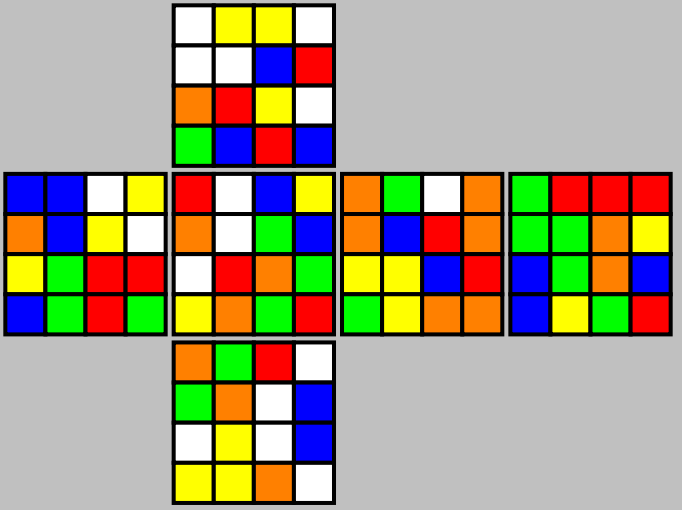
Graded by: _____ Result: ____

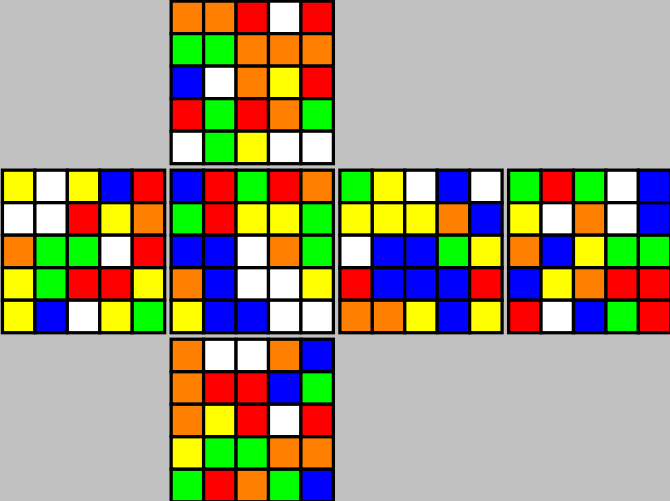
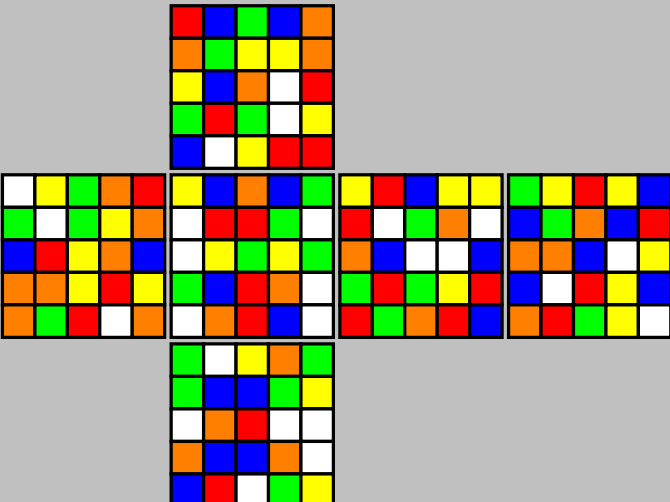
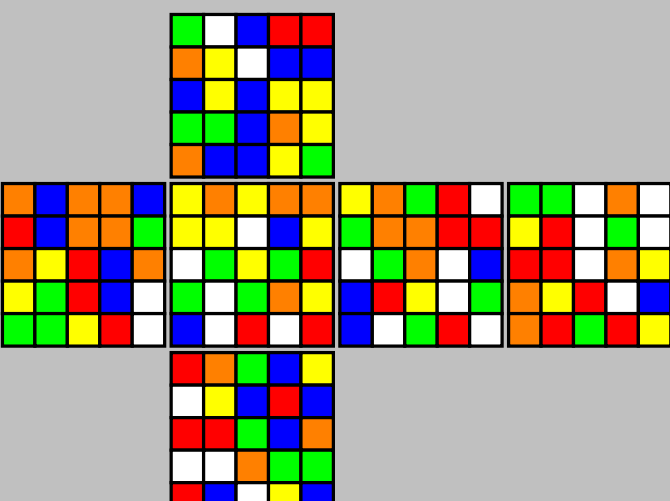


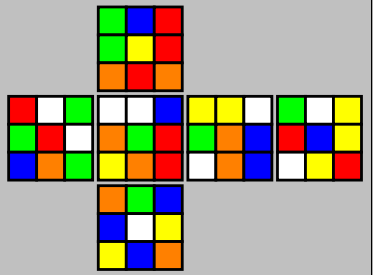
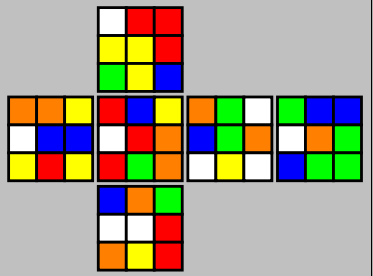
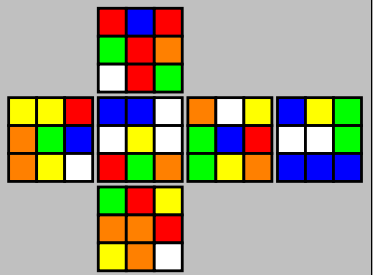
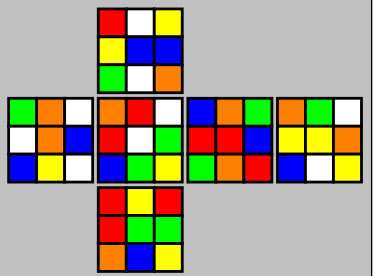
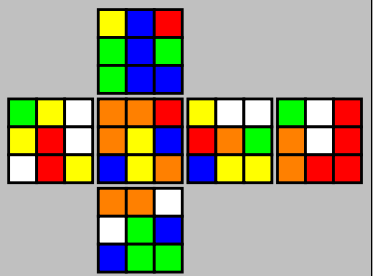
Scramble: R' U' F R2 F2 L U2 R2 B2 R' D2 R2 B2 D' B F' L' R' D' B2 L2 B D2 R' U' F

[illegible]

| | | |
|----|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1. | D' B' D' L F' B^2 R F U D^2 B' R^2 F D^2 F U^2 R^2 D^2 F^2 |  |
| 2. | L U^2 F' U R' D^2 L' F U B^2 U' F^2 R F^2 L F^2 U^2 R^2 L^2 |  |
| 3. | U^2 B^2 U^2 R' L' D B L U' F' B L' B^2 L' D^2 F^2 U^2 B^2 R^2 L' |  |
| 4. | U' R F^2 U R D' F' R^2 U^2 L' U^2 L^2 U^2 F R^2 F R^2 D^2 F' |  |
| 5. | B^2 L^2 D F^2 D R^2 B^2 D^2 B^2 F' D^2 R U' B^2 F U' R B^2 R |  |

| | | | | | |
|----|--------------------------------------------------------------------------------------|-----|-----|-----|-----|
| 1. | D' | B' | U2 | F2 | D |
| | F | L | R' | U | B2 |
| | R | U2 | D2 | L2 | F' |
| | L2 | B2 | U2 | B2 | Fw2 |
| | D | F' | U' | Rw2 | F' |
| | Rw2 | D' | Fw2 | Rw2 | B' |
| | U | Rw' | B' | Uw2 | D |
| | Fw2 | R' | F2 | Uw' | Rw' |
| | F | Uw2 | Rw2 | Uw' | x' |
| |  | | | | |
| 2. | L | B' | U | R | B' |
| | U | F | U | L2 | D |
| | U2 | R | F2 | R' | U2 |
| | L2 | F2 | L' | U2 | L' |
| | Fw2 | R' | Uw2 | B2 | D' |
| | R' | D' | L2 | Fw2 | U' |
| | L' | D | Fw' | U2 | Fw |
| | L | R2 | Rw' | Fw' | B2 |
| | L' | Uw | Rw' | B' | x2 |
| |  | | | | |
| 3. | L2 | D2 | B' | R2 | F2 |
| | D2 | U2 | R | L' | F' |
| | B' | D | U' | B' | L' |
| | F' | B' | R2 | Rw2 | B |
| | Rw2 | L | F | R' | Fw2 |
| | D2 | R2 | Uw2 | L2 | D2 |
| | Uw | F2 | U2 | Rw2 | F' |
| | D' | F2 | Uw2 | Fw | Rw |
| | Fw | R | F2 | x2 | y |
| |  | | | | |

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

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

6.

L2F2LRU2RB2

U2L'U'L'F'L2D'

B2UR2DB'D'Fw

Uw'