



by Rodney N. Smith

T=top
F=front
M=middle
BTM=bottom

BS=back side
L=left side
R=right side

C=clockwise
CC=counterclockwise
TW=twice



I. Complete one side

II. Position opposite corners

A. Place completed side on BS.

B. Check for positioned corners on F.

C. Positioning

1. If 2 are not positioned, then place them on F & BTM.
2. If all 4 are not positioned, then just do the maneuver.
3. Do this maneuver of moves if any are not positioned.

- a. T-CC
- b. F-C
- c. T-C
- d. L-CC
- e. T-C
- f. L-C
- g. T-CC
- h. F-TW

4. Check for positioned corners on F.

5. If not, do C. over again.

III. Color-Align opposite corners

A. Place completed side on BS.

B. Check for color-aligned corners on F.

C. Color-aligning

1. If 1 corner is color-aligned, then place corner in T, F, & R.
2. If 2 corners are color-aligned & not together, then place 1 of them in T, F, & R.
3. If 2 corners are color-aligned & together, then place on F & L.
4. If 0 corners are color-aligned, then just do the maneuver.
5. Do this maneuver of moves if all corners are not color-aligned.

- a. T-CC
- b. F-TW
- c. T-C
- d. F-C
- e. T-CC
- f. F-C
- g. T-C
- h. F-TW

6. Check for color-aligned corners on F.

7. If all corners are not color-aligned, then do C. over again until all corners are color-aligned.

IV. Complete Second side

- A. Place first side on T.
- B. Do Guide & Storage.

V. Recomplete first side

- A. Place first side on T.
- B. Put cube that goes on T in F, R, & M with T color on R.
- C. Do the following maneuver of moves.
 - 1. F-CC
 - 2. T-CC
 - 3. T & M-C
 - 4. F-C
 - 5. T-C
 - 6. T & M-CC
 - 7. F-C
 - 8. T-CC
 - 9. T & M-C
 - 10. F-CC

VI. Small Hill

- A. Check for positioned side pieces.
- B. If no side piece is positioned, then do maneuver.
- C. Place positioned side piece in BS & BTM with the 2 completed sides on L & R.
- D. If F & BTM piece goes in BS & T, then do maneuver.
- E. If not, then flip the cube over by trading L & R, and do A. over again.
- F. Do this maneuver of moves if pieces are not positioned.
 - 1. L-C
 - 2. R-CC
 - 3. F-TW
 - 4. L-CC
 - 5. R-C
 - 6. **T**-TW
- G. If the pieces are not positioned, then do A. again.

VII. Big Hill

- A. Check for color-aligned side pieces.
- B. If 6 side pieces are color-aligned, then just do the maneuver.
- C. If 2 are color-aligned and not on same side, then place 1 color-aligned piece in BS & BTM.
- D. If 2 are color-aligned and on the same side, then place the 2 not color-aligned on T.

E. Do this maneuver of moves if not color-aligned.

1. L-C
2. R-CC
3. F-CC
4. Flip Cube Up
5. L-C
6. R-CC
7. F-CC
8. Flip Cube Up
9. L-C
10. R-CC
11. F-TW
12. L-CC
13. R-C
14. T-CC
15. Flip Cube Down
16. L-CC
17. R-C
18. T-CC
19. Flip Cube Down
20. L-CC
21. R-C
22. T-TW

F. If not complete then do A. again.

CONGRADULATIONS!!! YOU HAVE DONE THE CUBE!!!

