

Method Overview

This is a layer-by-layer method that aims to solve the cube using minimal memorization and intense thinking. This method is broken down into separate and distinct subsets each with a clear and obvious goal. This method is straightforward to practice and can solve any cube no matter the scramble.

Notation Overview & Key

Each face is abbreviated with a letter.

R = Right L = Left

U = Up F = Front

B = Back D = Down

A plain letter = clockwise turn

A (') symbol = counter-clockwise turn

A 2 = double turn

R U R' U'

L' U' L U

Spin Left

Spin Right

Daisy

Gather the white edges around the yellow center. This step is entirely intuitive. Start with the easy ones first, then move on to the more difficult cases.



Cross

Match the other color on each white edge with the center of the same color by turning the bottom two layers together. Once matched, perform an F2 turn.

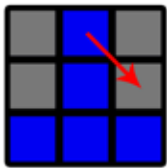


Corners

Place white corner above where it should go by turning the bottom two layers together. This corner should be on the top right. Repeat until the corner is solved. Repeat this step until all corners are solved.

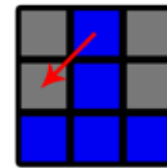


2nd Layer



U

Match the front color of a second layer edge with its corresponding center by rotating the bottom two layers together. Decide which direction the edge goes and then apply the correct algorithm.

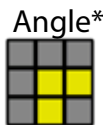


U'

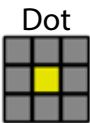
Top Yellow Cross



F F'



f f'



Line + Angle



Done!

*f = turn front two faces together

Positioning the Last Layer Corners

Corners can be positioned correctly even though they are twisted. You can rotate the bottom two layers together to get a better view.

Adjacent Swap



x3 x3

Diagonal Swap



Adjacent Swap + Adjacent Swap

After completing the first adjacent swap, make sure the two remaining corners you want to swap are on the right.

Twisting the Last Layer Corners

Flip the cube upside down so that white is on top. Find a corner that needs to be twisted, and put it in the bottom right. Don't worry if your cube looks messed up during this process; in the end it will resolve itself.



Repeat until yellow is facing down.

Turn bottom layer until another corner that needs twisting is on bottom right and repeat above step. Once you're done, flip the cube right side up.

Positioning the Last Layer Edges



Put solved edge in front and do:

x1 x1 x5 x5



Do above case, then put solved edge in front and repeat above sequence.

Now CELEBRATE, you have solved the Rubik's Cube!