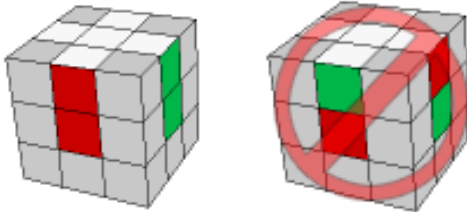


# Rubik's Cube Beginners Solution

## Step 1: White Cross

Surrounding the yellow center with the white edges first may help. Remember the **white** edges must line up with their **non-white** center



## Step 2: Bottom Layer (White) Corners

First rotate the cube so that the yellow side faces up.



← Slot

Rotate the top (yellow) layer until a **white** corner is above its "slot"

**R U R' U'**

Repeat the algorithm until the corner is solved

## Step 3: Middle Layer Edges



Rotate the top (yellow) layer until the **NON-yellow** edge is lined up with its center.

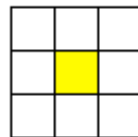
**R' U' R' U' R' (U R U R)**



Then do one of the algorithms depending on where the edge needs to go (note the rather EPIC arrows)

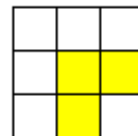
**R U R U R (U' R' U' R')**

## Step 4: Yellow Cross

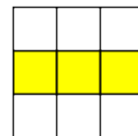


These are the 3 cases you could have on the yellow side besides a finished **yellow cross**. If you have that, **skip** this step.

**F (R U R' U') F'**



Do the algorithm repeatedly while holding the cube like shown in the pictures.



Notice that the corner algorithm from step 2 is right in the middle of this algorithm! Easy memorization :D

If there aren't any yellow edges in the top layer, use one of the algorithms to insert a **yellow** edge where a **non-yellow** edge is to "pop" it out.

## Step 5: Last Layer Edges



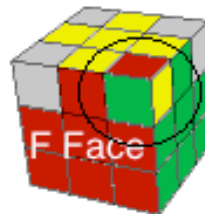
Rotate the upper (yellow) layer until you line up two **adjacent** edges with their centers.

Then hold the cube so that one is in the **back** face and one in the **right** face.

Then do the algorithm:

**R U R' U R U2 R'**

## Step 6: Last Layer Corners



In this step we're getting corners in their correct **spots** that means they **don't** have to be correctly flipped (like in the picture.) Put a correct corner in the spot shown and do:

**(U R U' L') (U R' U' L)**

You might have to do it twice

To help with memorization:

The **red** letters are moves away from you and the **green** letters are moves towards you

If you don't have two **adjacent** edges just hold the cube however you want and do the algorithm. You should end up with two adjacent edges. Then solve it normally.

## Step 7: Finishing the Cube!!!!



**R U R' U'**



Now turn the cube so that the **white** side is your **up** face. We will now flip all of the yellow layer corners into their correct positions/orientations. And we get to use the easy algorithm we learned in step 2! :D

1. Rotate the yellow layer (with D, D', or D2) until an unsolved corner is in the circled position.
2. Do (R U R' U') until the corner is solved
3. Repeat 1 & 2 until the cube is...SOLVED!!!!

This is the step where it seems like you're messing up everything you just did but it all comes back together in the end so yea... IT'S SORCERY ;D

## Links and References

Find "Cube Club" on FaceBook and "Like" it so you can get updates, cool links, ect. And...Cube Clube meets every Tuesday and Thursday at lunch in the chorus room. Here's the references I used for this method:

PogoBat: <http://www.youtube.com/watch?v=HsQIoPyfQzM>

Badmephisto: <http://www.youtube.com/watch?v=609nhVzg-5Q>

RobH0629: [http://www.youtube.com/watch?v=\\_yU-EwIRRVc](http://www.youtube.com/watch?v=_yU-EwIRRVc)