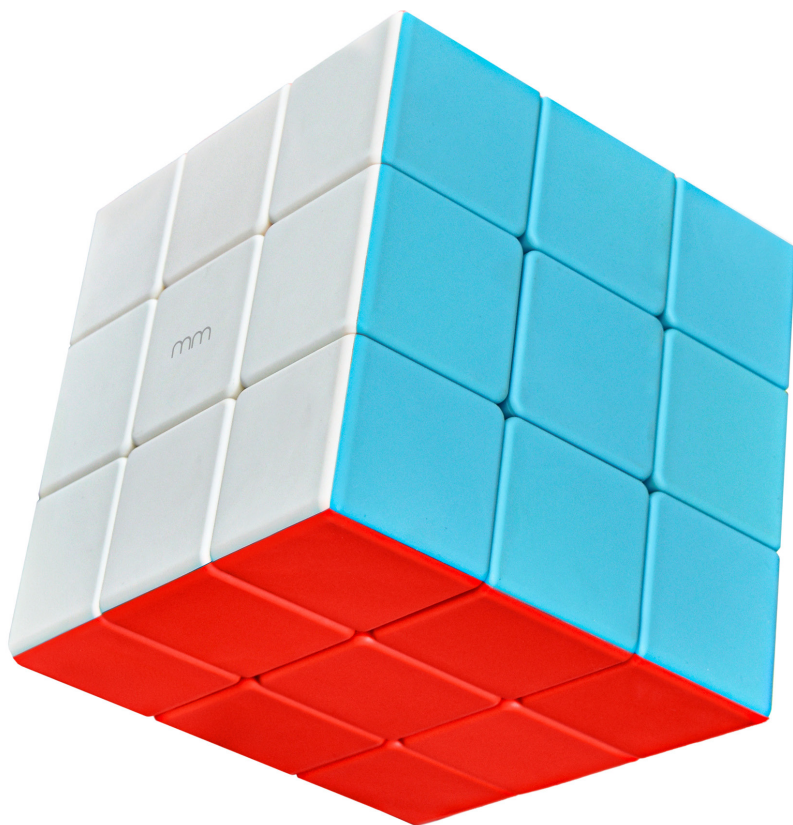


mm

Mega Cube manual



Step-by-Step Instruction Guide

Name of each part:

1. Center Pieces
2. Edge Pieces
3. Corner Pieces

1



2



3



Rotation Illustration & Notation



R



R'



F



F'



L



L'



B



B'



U



U'



D



D'

Step 1: Solve the white cross on the bottom



Goal

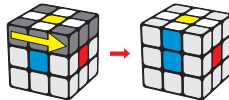
1. Keep the yellow center up and the blue center facing you.



2. Turn all the white edge pieces to the top facet.



3. Rotate the top layer until its edge pieces and the center one same color.



4. Rotate the facet facing you to solve the blue and white edge.



5. Rotate the top layer to make the side facet in same color and then turn one layer on the side facet to solve the red and white edges.



- Solve the green, white, orange and white edge in the same way as above

Step 2: Solve four corner pieces on the bottom



Take the blue-red-white corner piece for example.

Keep the yellow center up and the blue center facing you as illustrated in figure 1. And then find the blue-red-white corner and make it same as illustrated in figure 2 according to case 1 or case 2.

Case 1



Case 1

Case 2



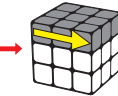
- The blue-red-white corners on the top layer are same as the dark gray parts.



- Rotate the top layer to turn the blue-red-white to the dark gray positions.



- Algorithm 1: RUR'U'



Case 2

The blue-red-white corners at the bottom are the same as the dark gray parts.



Always keep the yellow center up. Totally rotate the cube until the blue-red-white corners are same as illustrated.



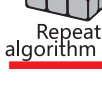
Do
algorithm 1
once



Rotate two
layers on
the bottom



Repeat
algorithm one



And for the red-green-white corners, the green-orange-white corners and the orange-blue-white corners can be solved in the same way above.

Step 3: Solve four edge pieces in the middle layer

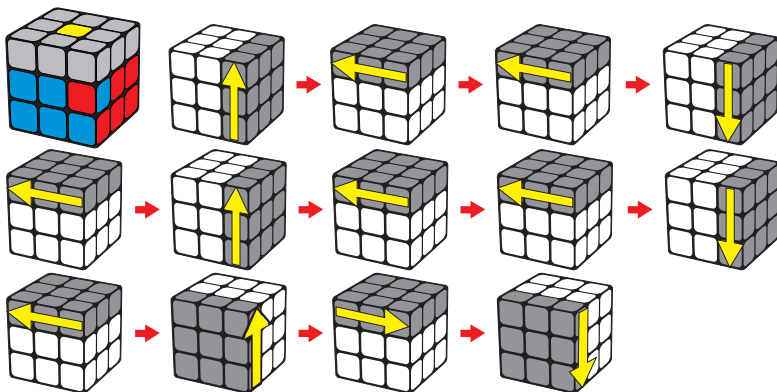


Goal

Take the blue and red edges for example. There are three basic cases.

Case 1

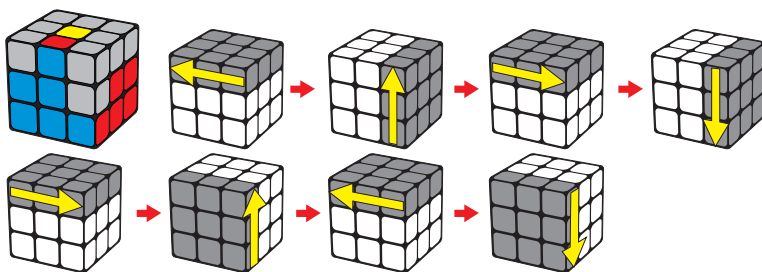
Algorithm 2: RUUR'URUUR'UF'U'F



Rotate the top layer until it's in case two or three.

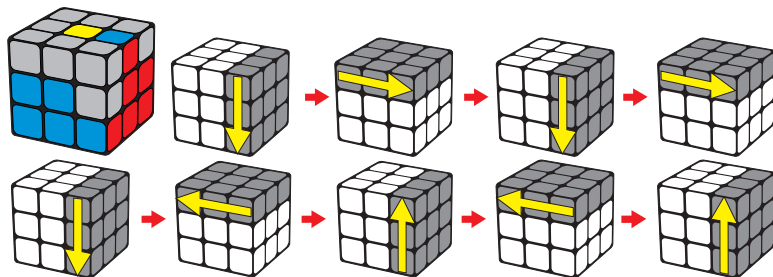
Case 2

Algorithm 3: URU'R'U'F'U'F



Case 3

Algorithm 4: R'U'R'U'R'URUR



Step 4: Solve the yellow edges on the top facet



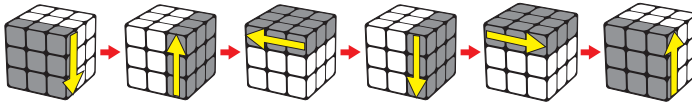
Goal

In this step, only rotate the yellow edges to the top facet. Only think about the positions of the edge pieces. There are only three cases.

1. The first case – Do algorithm 5
2. The second case – Do algorithm 5 twice
3. The third case – Do algorithm 5 twice + U + Do algorithm 5 once



Algorithm 5: FRUR'U'F

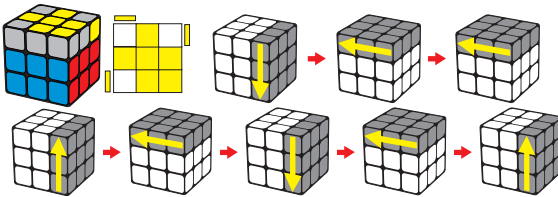


Step 5: Solve the yellow corners on the top facet.

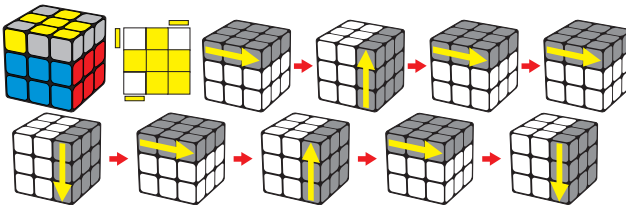


In this step, only rotate the yellow corners to the top facet. Only think about the positions of the corner pieces. There are only seven cases.

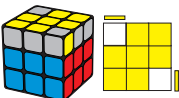
Case 1 Algorithm 6: R'UURUR'UR



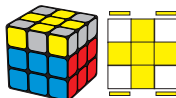
Case 2 Algorithm 7: U'R'U'U'R'U'R'U'R



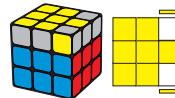
Case 3 Algorithm 6 + 7



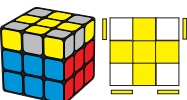
Case 4 Algorithm 6 + 6



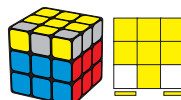
Case 5 Algorithm 7 + 6



Case 6 Algorithm 6 + U' + Algorithm 7



Case 7 Algorithm 7 + U2 + Algorithm 6



Step 6: Orient the yellow corners on the top layer.



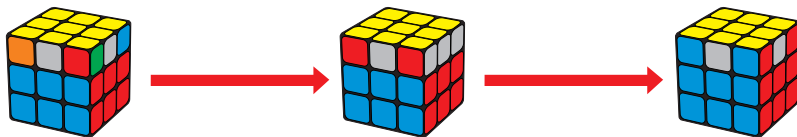
Goal

Rotate the top layer. First find out the corners of same color on the side as illustrated. Take red color for example, do algorithm eight to complete step 6. Do algorithm 8 once.

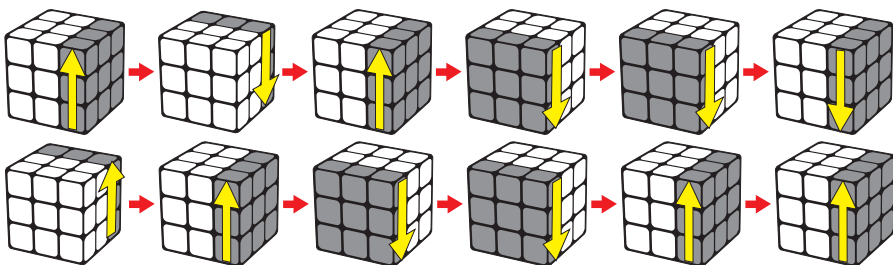


Rotate the top layer. If there are no corners in same color, do the following steps.

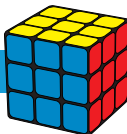
Do algorithm 8 once x 2



Algorithm 8: $RB'RFFR'B'RFRR$



Step 6: Orient the yellow corners on the top layer.

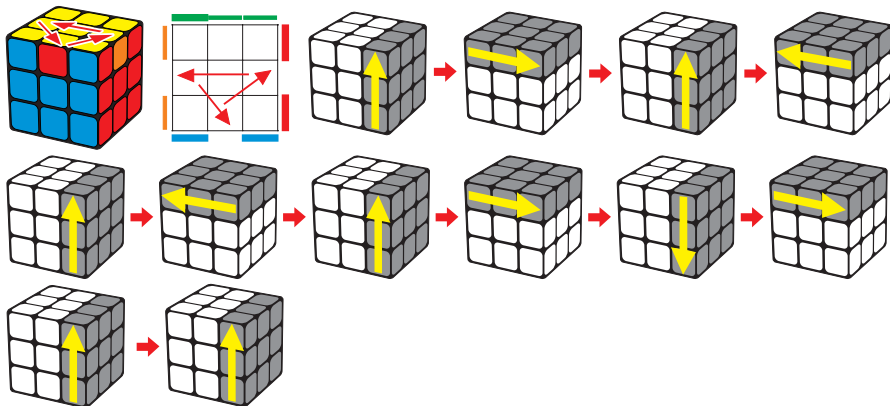


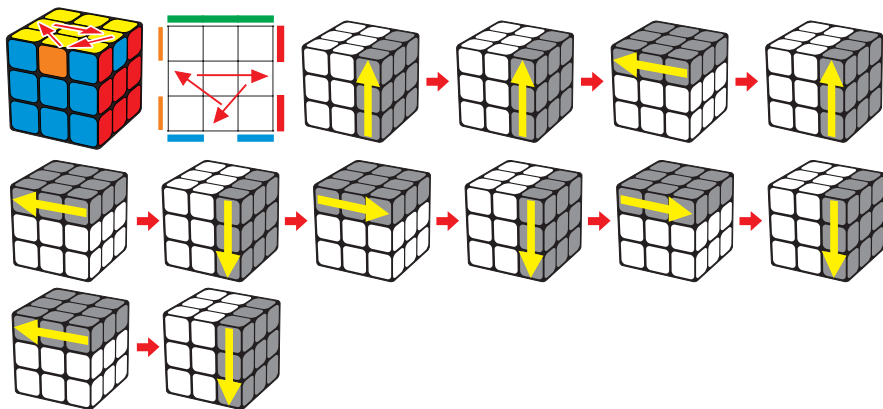
Goal

There are only four cases in this step.

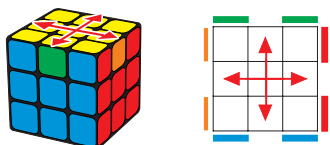
Case 1

Algorithm 9: $RU'RURURU'R'U'RR$

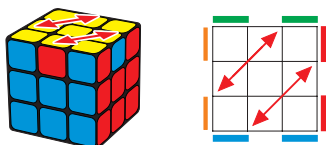


Case 2Algorithm 10: $RRURUR'U'R'U'R'UR'$ **Case 3**

Algorithm 9 + U + Algorithm 9 + U

**Case 4**

Algorithm 9 + U + Algorithm 9 + U



Mega Cube
SKU - 05163

MikaMax B.V.

www.mikamax.com

Laan van Verhof 2 a, 2231 BZ Rijnsburg

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