

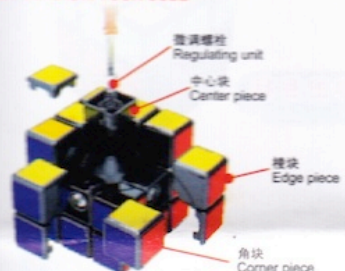


圣手魔方三阶入门教程

Solution to ShengShou Cube 3×3×3

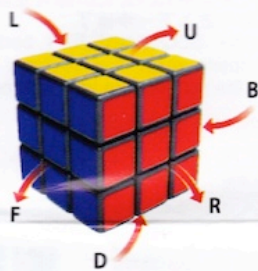
魔方基本知识

GET TO KNOW YOUR CUBE



结构和调节
(Construction and regulating unit)

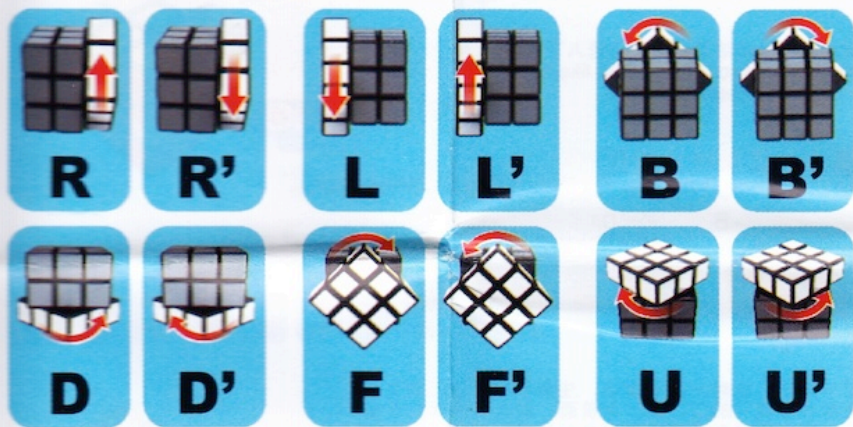
F = 前面 Front face (蓝色 BLUE)
B = 后面 Back face (绿色 GREEN)
R = 右面 Right face (红色 RED)
L = 左面 Left face (橙色 ORANGE)
U = 上面 Up face (黄色 YELLOW)
D = 下面 Down face (白色 WHITE)



标准定义和颜色
(Normal definition and color)

如下是魔方的旋转示意图，每个字母后面的“'”表示是这个方向的反转或是这个面的逆时针旋转。且每次的旋转都是90度。

The rotation sketch picture, and a letter with an “'” after it means an inverted or counter-clockwise move when looking at the face directly. Each move is a 1/4 turn rotation.



步骤一：建立底面白色十字架

STAGE 1: SOLVE THE WHITE CROSS

创建如右图所示的底面白色十字架，这个步骤没什么公式可记也比较简单，可以自己慢慢琢磨，这部分是要自己动脑筋的地方了。

Holding your cube with the white center piece on the down(D) face, you must create a white cross as shown to the right. This STAGE is easy, we do not have some tips.

你的目标
Your Goal

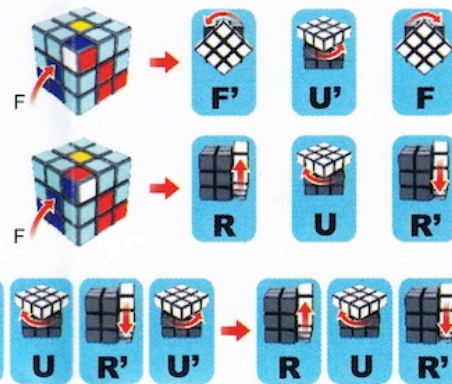


步骤二：解决底面白色角块

STAGE 2: SOLVE THE WHITE CORNERS

在完成底部十字后，你必须还原角块。使用下面三种方法，可以解决所有情况。

With the white center piece on the down(D) face, you must solve the white corner pieces. Then do the 3 sequences below, you can solve all the white corners in the correct position.



得到如右图所示结果，你即可进入下一步骤了。
If your white layer looks like the right picture, you have completed STAGE 2.

你的目标
Your Goal

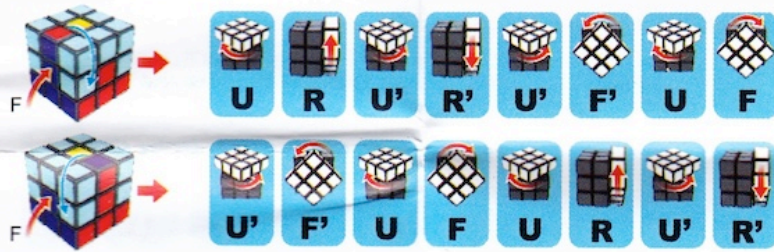


步骤三：解决中间层

STAGE 3: SOLVE THE MIDDLE LAYER

完成这一层仅需记住两个公式，分别对应着两种情况：首先把棱块侧面的颜色，与中心块的颜色对上，在这一层要还原的一共有四个角块（红蓝、蓝橙、橙绿、绿红），如果在第三层找不到所需棱块，利用以下两个公式任取其一，即可把处于第二层的棱块，移到第三层。反复使用这个两个公式，直到完成这一步骤。

Do the only 2 sequences below, you can solve the middle layer, which means position the EDGE PIECES in the correct position.



得到如右图所示结果，你即可进入下一步骤了。
If your bottom two layers looks like the right picture, you have completed STAGE 3.

你的目标
Your Goal



步骤四：解决顶层得到黄色十字架

STAGE 4: SOLVE THE TOP LAYER AND GET THE YELLOW CROSS

所谓顶层十字，就是把所有的黄色棱块，都翻到顶面，不用考虑角块的颜色。解决顶层得到黄色十字架，只需一个公式。具体有几种情况及解决方法如下：
Match the yellow pattern on the top(U) face of your cube to one of the yellow patterns shown on the cube below, to do the goal we only need one sequence.

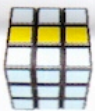
(公式A)
(SEQUENCE A)



情况一：使用(公式A)，必然会得到情况二或者情况三的结果，再次使用(公式A)即可。
State 1: Do the (SEQUENCE A) and the result to State 2 or 3, hold the cube to match that state and do the (SEQUENCE A).



情况二：使用(公式A)两次即可得到结果。
State 2: Do the (SEQUENCE A) 2 times and we will get the result.



情况三：使用(公式A)一次即可得到结果。
State 3: Do the (SEQUENCE A) 1 time and we will get the result.



情况四：直接进入下一个步骤。
State 4: Proceed to the next step.

得到如右图所示结果，你即可进入下一步骤了。
If your bottom two layers looks like the right picture, you have completed STAGE 4.

你的目标
Your Goal



步骤五：解决顶层得到整个黄色面

STAGE 5: SOLVE THE TOP LAYER AND GET ALL THE YELLOW

解决顶层得到黄色面，同样只需一个公式。具体有几种情况及解决方法如下：
Solve the top layer and get all the yellow, we only need one sequence to do the goal, and it has 3 states below.

(公式B)
(SEQUENCE B)



情况一：顶层角块没有一个黄色，把角块的黄色面面向左侧，用(公式B)。
State 1: If No Corner Cubes are Yellow one the top (U) faces, you must have Yellow Left Coener on Left face as shown.



情况二：顶层角块有一个黄色，把角块放在左前如图，用(公式B)。
State 2: If One Corner Cube is Yellow match your top (U) face as shown and do the sequence below.



情况三：假如任何两个角块是黄色的，不要管它的位置，只要把一个黄色的角块面作为前面，用(公式B)。

States 3: If Any Two Corner Cubes are Yellow, don't worry about their position. You MUST match the front (F) face with a Yellow Left Corner as shown.

如此至多用3次(公式B)即可完成，得到如右图所示结果，你即可进入下一步骤了。
Do the (SEQUENCE B) 1, 2 or 3 times to achieve a complete yellow top (U) face. If your top layer looks like the right picture, you have completed STAGE 5.

你的目标
Your Goal



步骤六：顶层角块归位

STAGE 6: POSITION THE YELLOW CORNERS CORRECTLY

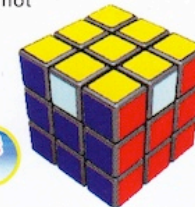
同样这一步有一个公式，先找到有两个角块颜色相同的面，把它作为前面，用(公式C)即可完成此步。如在同一面上找不到两个颜色相同的角块，则任取一面用(公式C)一次即可。



Find a face which have two same color corners, set this face as front face. Do the (SEQUENCE C) can complete all the yellow corners, if you do not find the face, Do the (SEQUENCE C) 1 time.

得到如右图所示结果，你即可进入下一步骤了。
If your bottom two layers looks like the right picture, you have completed STAGE 6.

你的目标
Your Goal



步骤七：顶层棱块归位

STAGE 7: POSITION THE YELLOW EDGES CORRECTLY

最后一步了，此时一定要谨慎，注意观察，把不需交换的棱块放在后面(B)，(F)为前面，颜色不一定是图示的，最多用“三个棱块进行逆时针调换”的(公式D)三次即可完成对魔方的还原！得到如右图所示结果，恭喜你！你的魔方还原完成了。



Look around the cube carefully, you can find one state looks like the picture, the (B) CORNER PIECS is correctly, and the (F) is the front face. Do this (SEQUENCE D) 1, 2 or 3 times can complete all the yellow edges, if you do not find the state, Do the (SEQUENCE D) 1 time. If your top layers looks like the right picture, CONGRATULATIONS! you have completed Cube!

恭喜你!
CONGRATULATIONS!

