

# A method to solve the cube

1) Solve the “white cross”, to get :



2) Solve the white corners: with white face on top, rotate bottom layer to bring a corner cubie to location below its correct location, then do  $R' D' R D$  until the corner is solved. Repeat to get :



3) Solve the middle layer: with white face on bottom, rotate top layer to bring an edge cubie (with no yellow faces) into middle top position. Then do:



$U R U' R' U' F' U F$

or



$U' L' U L U F U' F'$

Repeat until middle layer solved, to get :



4) Solve the “yellow cross” : with yellow face on top, do  $F U R U' R' F'$ . Repeat and/or reorient until yellow cross solved, to get :



5) Solve the top layer: with yellow face on top, do  $R U R' U R U U R'$ .

When you get the “fish” pattern :

Orient cube so fish is pointing down and to the left. Repeat  $R U R' U R U U R'$ .

Repeat until entire top layer is yellow.



“fish”

6) Orient the top layer corners

Rotate top layer to put at least two corners in the correct place. If needed, swap rightmost two corners with  $R U U R' U' R U U L' U R' U' L$

7) Orient top layer edges

With yellow face on top, if one of green, orange blue or red is solved, rotate cube to put it at back. Permute the remaining three unsolved edge cubies with  $F F U V U U V' U F F$ .

If none of the green, orange, blue or red faces are solved, do  $F F U V U U V' U F F$ , and one of them will be. Repeat step 7.