

This guide is for Angry_Mob's unnamed puzzle found at either of the following links:

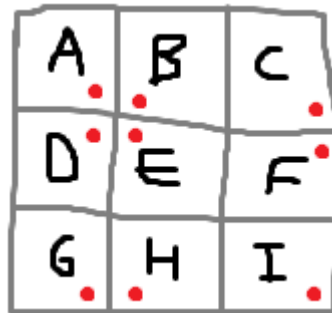
<https://scratch.mit.edu/projects/320083945/>

<https://wish-lin.github.io/clockypuzzle/>

This method has similarities to the ZZ method. If you like ZZ, try this out.

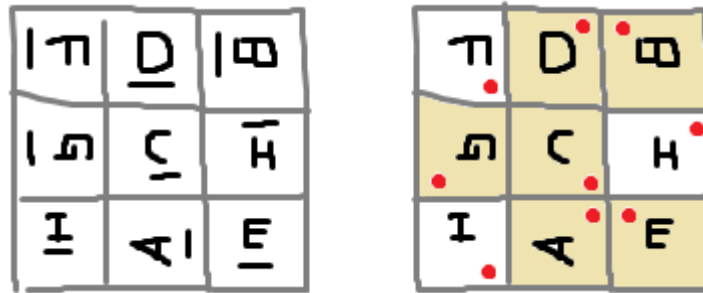
STEP 1A: ORIENTATION

For this method, it may be easier to use these orientatation dots instead of bars:



To determine good/bad orientation, look at the dots while ignoring the letters. If the dots in the scrambled puzzle are in the same position as in the above diagram, the square has good orientation. If the dot is in the opposite corner, the square has bad orientation.

Example 1:



The highlighted squares are bad because the dots are in the wrong corners.

For future reference, the turns are called:

I O

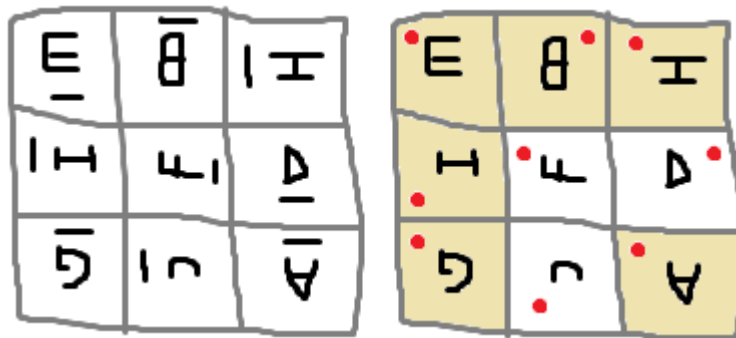
K L

Like in ZZ, quarter turns of O and K change the orientations of the 4 cycled squares. Half turns of O and K and any turns of I and L do not change orientations. The key idea is to put 4 bad squares together and orient them with a quarter turn of O or K.

In addition to 4 bad $\rightarrow$ 0 bad, you may have to do 3 bad $\rightarrow$ 1 bad, 1 bad $\rightarrow$ 3 bad, 2 bad $\rightarrow$ 2 bad.

In the above example, K' L2 O orients all the squares.

Example 2:



O' I2 O K' I L I' K orients the bad edges.

STEP 1B: SOLVE C and G

Do this using only half turns of O and K, otherwise you will mess up the orientations! All turns of I and L are acceptable.

STEP 2: PERMUTATION

In this step, we can permute all the rest of the pieces using I and L only, and we don't have to worry about orientations, since they will already be solved. They may appear funny, but I assure you they will be fine!

I haven't decided the best order to solve the pieces. Maybe either solve A,B,D or A,D,H,I intuitively, and then finish off the rest using one of the algs below.

Here are some algs I have found (mirror them for the others):

$I L' I' L$: cycles 3 pieces in positions $B \rightarrow E \rightarrow F \rightarrow B$

$I L I' L'$: cycles 3 pieces in positions $B \rightarrow E \rightarrow H \rightarrow B$

$I' L2 I L' I' L' I L'$: swaps 2 pieces in positions E and F

$I' L' I L' I' L2 I L'$: swaps 2 pieces in positions H and I

this guide was written by ch_ts