

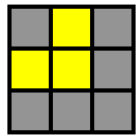
# Weston's One Handed Last Layer

Algs by Weston Mizumoto (<http://www.youtube.com/user/theWestonian>)

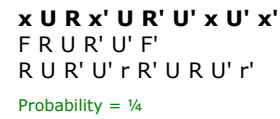
For more guides just like this, visit <http://www.kungfoomanchu.com>

## Orient Last Layer (Two Look)

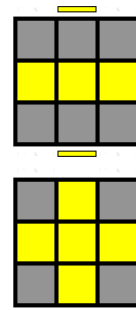
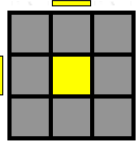
Step 1



$x U x' U R U' R' x U' x'$   
 $F U R U' R' F'$   
 $r U R' U R U^2 r'$   
 Probability = 1/2



$x U R x' U R' U' x U' x'$   
 $F R U R' U' F'$   
 $R U R' U' r R' U R U' r'$   
 Probability = 1/4


$R r' U' r U^2 r' U' R U' R^2 r$   
 Probability = 1/8

**Move to Second Look**  
 Probability = 1/8

## Orient Last Layer (Two Look)

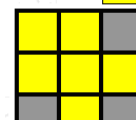
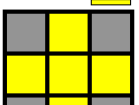
Step 2

### All Edges Oriented Correctly




$R U R' U R U^2 R'$   
 $y' R' U^2 R U R' U R$   
 Probability = 4/27

$R' U' R U' R' U^2 R$   
 Probability = 4/27

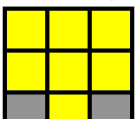
$R U^2 R' U' R^2 U' R^2 U^2 R$   
 Probability = 4/27

$R' U' R U' R' U R U' R' U^2 R$   
 Probability = 2/27

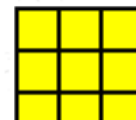
$r U R' U' z U' R z' R U' x'$   
 Probability = 4/27

$R U^2 R z' R U' z U^2 R z' R' U^2$   
 $R U^2 R D R' U^2 R D' R^2$   
 Probability = 4/27

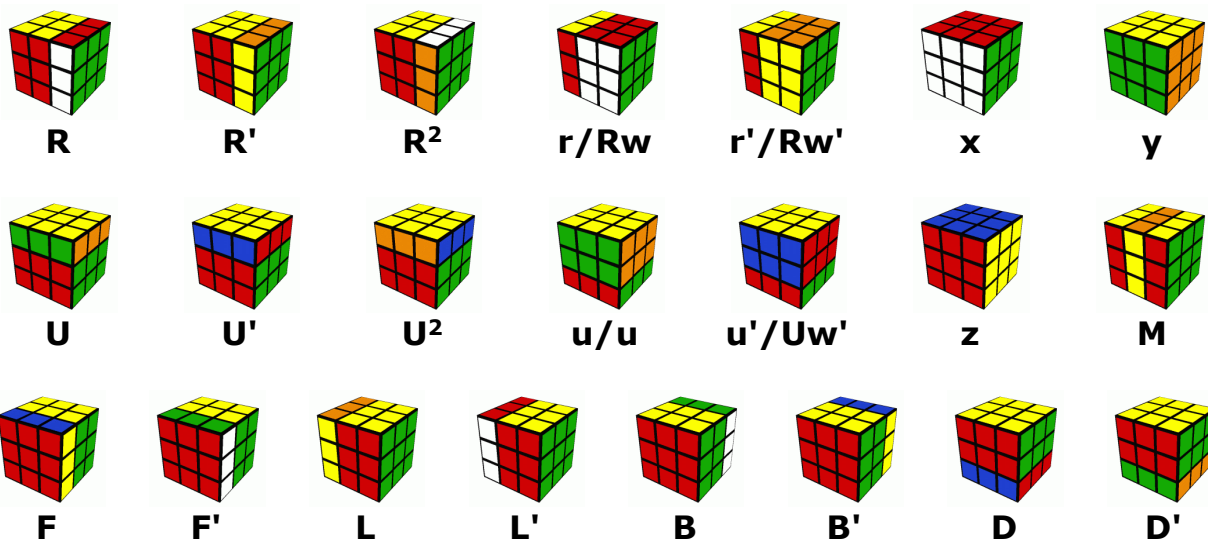



$R^2 z' R U' z U^2 R z' R' U' z U^2 R'$   
 $R^2 D R' U^2 R D' R' U^2 R'$   
 Probability = 4/27

**Solved**  
 Probability = 1/27

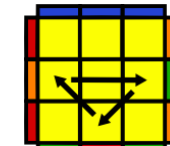


## Notation



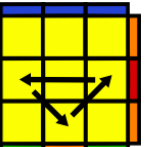
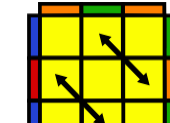
# Permute Last Layer

## Permutations of Edges or Corners Only



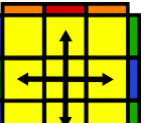
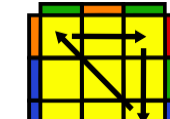
$R^2 U R U R' U' R' U' R' U R' S$   
 $y^2 R' U R' U' R' U' R' U R U R^2$   
**Ub** - Probability = 1/18

$R U' R U R U R U' R' U' R^2 S$   
 $y^2 R^2 U' R' U' R U R U R U' R$   
**Ua** - Probability = 1/18

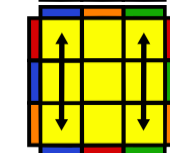
$R' U' R U' R U R U' R' U' R U R^2 U' R' U$   
**Z** - Probability = 1/36

$R^2 U^2 R U^2 R^2 U^2 R^2 U^2 R U^2 R^2$   
 $L R U^2 R' r' U' u' f' U^2 R L S$   
**H** - Probability = 1/72

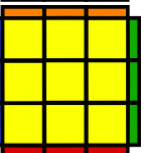
$x R' U z' U' R^2 z R U' R' z' R^2 U^2$   
**Aa** - Probability = 1/18

$x z' U^2 R^2 z R U R' D^2 R U' R$   
**Ab** - Probability = 1/18

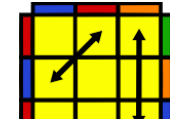



$x' R U' R' D R U R' D' R U R' D R U' R' u'$   
**E** - Probability = 1/36

**Solved**  
 Probability = 1/72

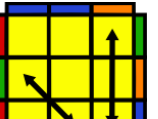



## Swap One Set of Adjacent Corners




$R U' R' U' R U R z' R U' z' U' R z' R' U' z' U^2 R'$   
**Ra** - Probability = 1/18

$R' U R U R' U' z' U' R' z R U R' D R U^2 R$   
**Rb** - Probability = 1/18

$x U^2 r' U' r U^2 R' F z' U' x y U' R^2$   
 $y^2 R U' z U' R D' R^2 U R' U' R^2 U$   
**Ja** - Probability = 1/18

$R U^2 R' U' R U^2 z U' R z' R' U' r$   
**Jb** - Probability = 1/18





$R U R' U' R' F R^2 U' R' U' R U R' x U'$   
**T** - Probability = 1/18

$R U R' U' R' U R U^2 z U' z' R' U R U' z U' z' U' R U' R'$   
**F** - Probability = 1/18




## Swap One Set of Corners Diagonally



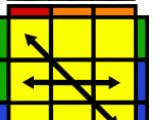
$R U' z U' R z' R' U' R U' z U R z' R' U^2 z U' R^2 U$   
**V** - Probability = 1/18

$R^2 U' R' U R U' x' U' R' z' R U' R' U' z U R$   
**Y** - Probability = 1/18





$z (U z' U' R U^2 z U' R z' R') * 2$   
**Na** - Probability = 1/72

$z U' R D' R^2 U R' U' D R D' R^2 U R' D$   
**Nb** - Probability = 1/72

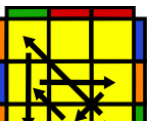



## Double Spins



$R^2 u' R U' R U' R u' R^2 x y U' R U$   
**Ga** - Probability = 1/18

$R^2 u' R U' R U R' D x' U^2 r U' r' x$   
**Gc** - Probability = 1/18

$R U R' y' R^2 u' R U' R' U R' z' R x' U^2$   
**Gd** - Probability = 1/18

$R' U' R y R^2 u' R' U R U' R u' R^2$   
**Gb** - Probability = 1/18

