

Weston's One Handed Last Layer

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

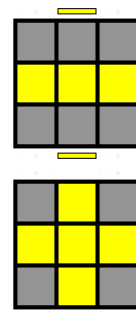
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Orient Last Layer (Two Look)

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

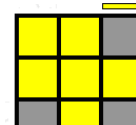
Orient Last Layer (Two Look)

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



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

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



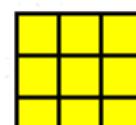
$r U R' U' z U' R z' R U' x'$
 Probability = 4/27

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

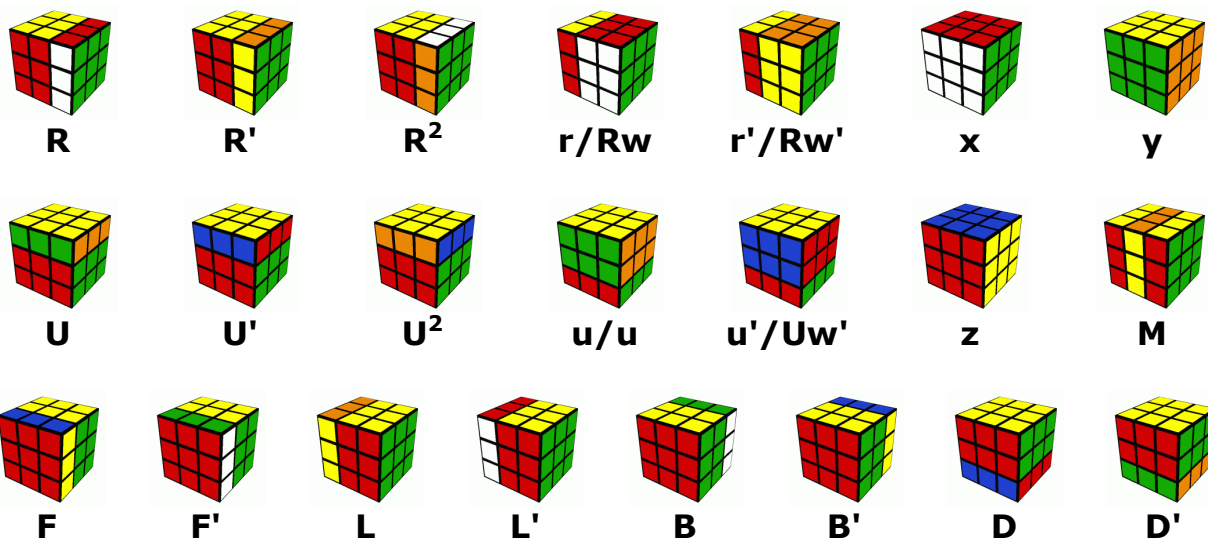


$R^2 z' R U' z U^2 R z' R' U' z U^2 R'$
 $R^2 r D R' U^2 r D' R' U^2 R'$
 Probability = 4/27

Solved
 Probability = 1/27



Notation

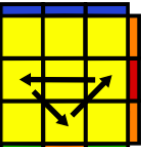


Permute Last Layer

Permutations of Edges or Corners Only

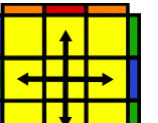
$R^2 U R U R' U' R' U' R' U R' U^5$
 $y^2 R' U R' U' R' U' R' U R U R^2$
Ub - Probability = 1/18

$R U' R U R U R U' R' U' R^2 U^5$
 $y^2 R^2 U' R' U' R U R U R U' R$
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

$R^2 U^2 R U^2 R^2 U^2 R^2 U^2 R U^2 R^2$
 $L R U^2 R' r' U' u' f' U^2 R L^5$
H - Probability = 1/72



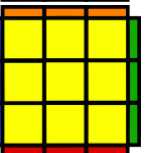
$x R' U z' U' R^2 z R U' R' z' R^2 U^2$
Aa - Probability = 1/18

$x z' U^2 R^2 z R U R' D^2 R U' R$
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

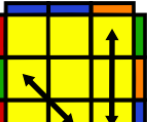
Solved
 Probability = 1/72



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



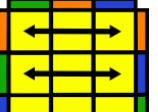
$x U^2 r' U' r U^2 R' F z' U' x y U' R^2$
 $y^2 R U' z U' R D' R^2 U R' U' R^2 U$
Ja - Probability = 1/18

$R U^2 R' U' R U^2 z U' R z' R' U' r$
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

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



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

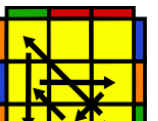
$z U' R D' R^2 U R' U' D R D' R^2 U R' D$
Nb - Probability = 1/72



Double Spins

$R^2 u' R U' R U R' z' R x' U^2 r U' r'$
Ga - Probability = 1/18

$R^2 u' R U' R U R' z' R x' U^2 r U' r'$
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

