



Shawn Boucke's Algorithm Sheet

PLL

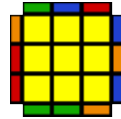
Page 1



Aa

Adj Swap

$I' U R' D^2 R U' R' D^2 R^2 x'$
 $R' F R' B^2 R F' R' B^2 R^2$



Ab

Adj Swap

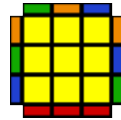
$y' r U' L D^2 L' U L D^2 L^2$
 $y' L F' L B^2 L' F L B^2 L^2$



E

Opp Swap

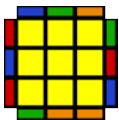
$y x R D' R' U R D R' U' R D R' U R D' R' U' x'$
 $y R B' R' F R B R' F' R B R' F R B' R' F'$



F

Adj Swap

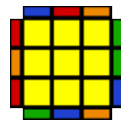
$y R' U' F' R U R' U' R' F R^2 U' R' U' R U R' U R$



Ga

Adj Swap

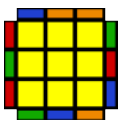
$R^2 u R' U R' U' R u' R^2 F' U F$
 $R^2 U R' U R' U' R U' R^2 D U' R' U R D'$



Gb

Adj Swap

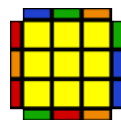
$y^2 L' U' L y L^2 u L' U L U' L u' L^2$
 $y^2 D L' U' L U D' L^2 U L' U L U' L U' L^2$



Gc

Adj Swap

$y^2 L^2 u' L U' L U L' u L^2 y L U' L'$
 $y^2 L^2 U' L U' L U L' U L^2 D' U L U' L' D$



Gd

Adj Swap

$R U R' y' R^2 u' R U' R' U R' u R^2$
 $D' R U R' U' D R^2 U' R U' R' U R' U R^2$



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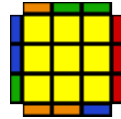
PLL

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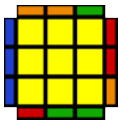
H
EPLL

M2 U M2 U2 M2 U M2



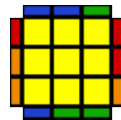
Ja
Adj Swap

L' U' L F L' U' L U L F' L2 U L



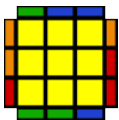
Jb
Adj Swap

R U R' F' R U R' U' R' F R2 U' R'



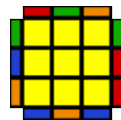
Na
Opp Swap

R U R' U R U R' F' R U R' U' R' F R2 U' R' U2
R U' R'
L U' R U2 L' U R' L U' R U2 L' U R'



Nb
Opp Swap

L' U' L U' L' U' L F L' U' L U L F' L2 U L U2 L' U
L
R' U L' U2 R U' L R' U L' U2 R U' L



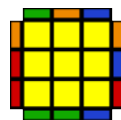
Ra
Adj Swap

L U2 L' U2 L F' L' U' L U L F L2



Rb
Adj Swap

R' U2 R U2 R' F R U R' U' R' F' R2



V
Opp Swap

R' U R' d' R' F' R2 U' R' U R' F R F



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PLL

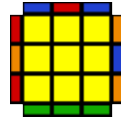
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T

Adj Swap

R U R' U' R' F R² U' R' U' R U R' F'



Ua

EPLL

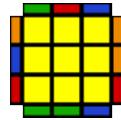
y² M² U M U² M' U M²
y² R U' R U R U R U' R' U' R²



Ub

EPLL

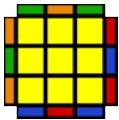
y² M² U' M U² M' U' M²
y² L' U L' U' L' U' L' U L U L²
R' U R' U' R³ U' R' U R U R²'



Y

Opp Swap

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



Z

EPLL

M² U M² U M' U² M² U² M'