



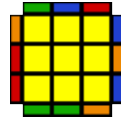
## PLL

Page 1



**Aa**  
Adj Swap

x R' U R' D2 R U' R' D2 R2 x'  
y x' R2 D2 R' U' R D2 R' U R' x  
y' x L2 D2 L' U' L D2 L' U L'  
R' B' R2 D R' U' R D' R' U R' B R



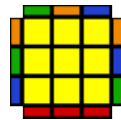
**Ab**  
Adj Swap

x R2 D2 R U R' D2 R U' R x'  
y' x L U' L D2 L' U L D2 L2  
y x' R U' R D2 R' U R D2 R2 x  
R' B' R U' R D R' U R D' R2' B R



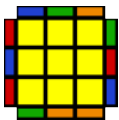
**E**  
Opp Swap

y x' R U' R' D R U R' D' R U R' D R U' R' D' x  
y R' U' R' D' R U' R' D R U R' D' R U R' D R2  
R2 U R' U' y R U R' U' R U R' U' R U R' y' R U' R2  
y x' L' U L D' L' U' L D L' U' L D' L' U L D



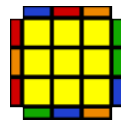
**F**  
Adj Swap

y R' U' F' R U R' U' R' F R2 U' R' U' R U R' U R  
R' U R U' R2 F' U' F U R F R' F' R2  
y R2' F R F' R' U' F' U F R2 U R' U' R  
y R' F R f' R' F R2 U R' U' R' F' R2 U R' S



**Ga**  
Adj Swap

R2 U R' U R' U' R U' R2 D U' R' U R D'  
R2 u R' U R' U' R u' R2 F' U F  
D' R2 U R' U R' U' R U' R2 U' D R' U R  
R2 U R' U R' U' R U' R2' D U' R' U R D'



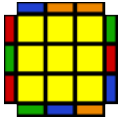
**Gb**  
Adj Swap

R' U' R U D' R2 U R' U R U' R U' R2 D  
y F' U' F R2 u R' U R U' R u' R2  
R' d' F R2 u R' U R U' R u' R2  
D R' U' R U D' R2 U R' U R U' R U' R2



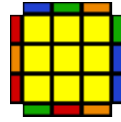
## PLL

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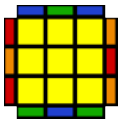
**Gc**  
Adj Swap

R2 U' R U' R U R' U R2 D' U R U' R' D  
y2 R2 F2 R U2 R U2 R' F R U R' U' R' F R2  
R2' u' R U' R U R' u R2 f R' f'  
R2' U' R U' R U R' U R2 D' U R U' R' D



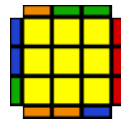
**Gd**  
Adj Swap

R U R' U' D R2 U' R U' R' U R' U R2 D'  
D' R U R' U' D R2 U' R U' R' U R' U R2  
R U R' y' R2 u' R U' R' U R' u R2  
y R2 F' R U R U' R' F' R U2 R' U2 R' F2 R2



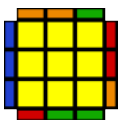
**H**  
EPLL

M2 U M2 U2 M2 U M2  
M2 U' M2 U2 M2 U' M2  
M2' U' M2' U2' M2' U' M2'  
R2 S2' R2' U' R2 S2' R2'



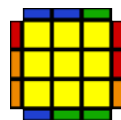
**Ja**  
Adj Swap

y2 x R2 F R F' R U2 r' U r U2 x'  
L' U' L F L' U' L U L F' L2 U L  
y R' U L' U2 R U' R' U2 R L  
y2 M' R' F R F' R U2 r' U r U2 r'



**Jb**  
Adj Swap

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

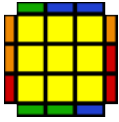


**Na**  
Opp Swap

R U R' U R U R' F' R U R' U' R' F R2 U' R' U2 R U'  
R'  
F' R U R' U' R' F R2 F U' R' U' R U F' R'  
R F U' R' U R U F' R2' F' R U R U' R' F  
r' D r U2 r' D r U2 r' D r U2 r' D r U2 r' D r

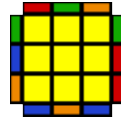


## PLL



**Nb**  
Opp Swap

r' D' F r U' r' F' D r2 U r' U' r' F r F'  
R' U R U' R' F' U' F R U R' F R' F' R U' R  
R' U L' U2 R U' L R' U L' U2 R U' L  
R' U R U' R' F' U' F R U R' U' R U' f r f'



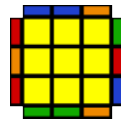
**Ra**  
Adj Swap

y R U' R' U' R U R D R' U' R D' R' U2 R'  
y R U R' F' R U2 R' U2 R' F R U R U2 R'  
L U2 L' U2 L F' L' U' L U L F L2  
y2 R U2 R' U2 R B' R' U' R U R B R2



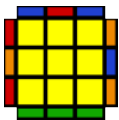
**Rb**  
Adj Swap

R' U2 R U2 R' F R U R' U' R' F' R2  
y R2 F R U R U' R' F' R U2 R' U2 R  
R' U2 R' D' R U' R' D R U R U' R' U' R  
y R2' F R U R U' R' F' R U2' R' U2 R



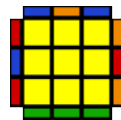
**T**  
Adj Swap

R U R' U' R' F R2 U' R' U' R U R' F'  
R U R' U' R' F R2 U' R' U' F' L' U L  
R2 U R2 U' R2 U' D R2 U' R2 U R2 D'  
y2 L' U' L U L F' L2 U L U L' U' L F



**Ua**  
EPLL

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



**Ub**  
EPLL

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



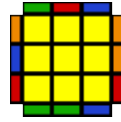
## PLL

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**V**  
Opp Swap

R' U R' U' R D' R' D R' U D' R2 U' R2' D R2  
R' U R' U' y R' F' R2 U' R' U R' F R F  
y R U' R U R' D R D' R U' D R2 U R2 D' R2  
R' U R U' R' f' U' R U2 R' U' R U' R' f R



**Y**  
Opp Swap

F R U' R' U' R U R' F' R U R' U' R' F R F'  
F R' F R2 U' R' U' R U R' F' R U R' U' F'  
F R' F' R U R U' R2' U' R U R f' U' f  
y' f' U f R' U' R' U R2 U R' U' R' F R F'



**Z**  
EPLL

M' U' M2' U' M2' U' M' U2' M2'  
M2 U M2 U M' U2 M2 U2 M'  
y M2 U' M2 U' M' U2 M2 U2 M'  
y M' U M2' U M2' U M' U2 M2'