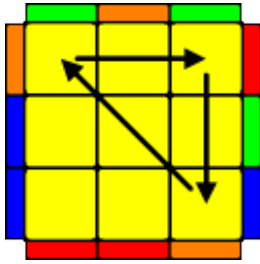
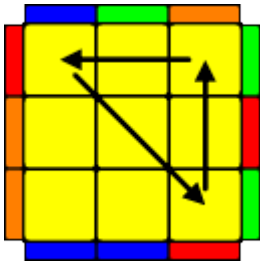


Corners Only



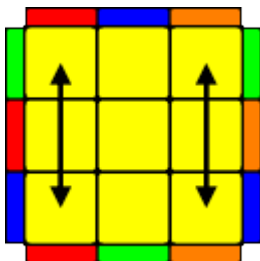
Aa: x R' U R' D2 R U' R' D2 R2

Lefty: y' x L2 D2 L' U' L D2 L' U L'



Ab: x R2 D2 R U R' D2 R U' R

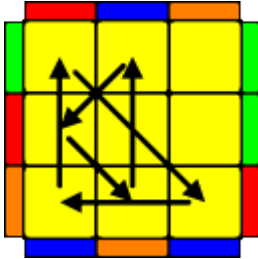
Lefty: y' x L U' L D2 L' U L D2 L2



E: l' U' R' D R U R' D' R U R' D R U' R' D' x

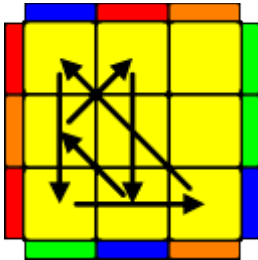
Lefty: r' U L D' L' U' L D L' U' L D' L' U L D x

G PERMUTATIONS



Ga: $y R^2 U R' U R' U' R U' R^2 U' D R' U R D'$

Lefty: $y L^2 U L U' L U' L' U L^2 U D' L U' L' D$

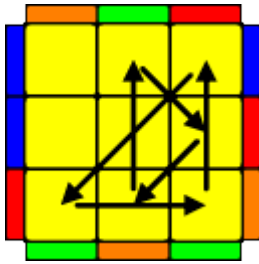


Gb: $y F' U F R^2 u R' U R U' R U' R^2$ (AUF)

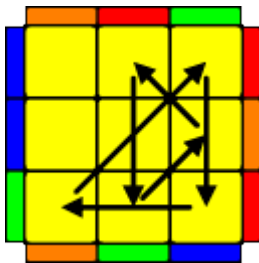
$D R' U' R U D' R^2 U R' U R U' R U' R^2$ (main)

$R' d F R^2 u R' U R U' R U' R^2$ (AUF)

Lefty: $L' U' L U D' L^2 U L U' L' U L' U L^2 D$

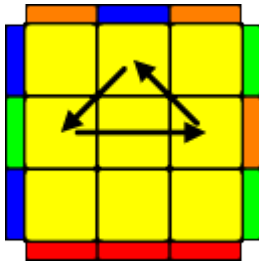


Gc: y R2 u' R U' R U R' u R2 f R' f' (main 1)
 y' R2 F2 R U2 R U2 R' F R U R' U' R' F R2 (main 2
 + U2 AUF)
 y R2 U R U' R U R2 U D' R U' R' D (AUF skip)
 y' L2' U' L U' L U L2' U D' L U' L' D' (AUF + Lefty)

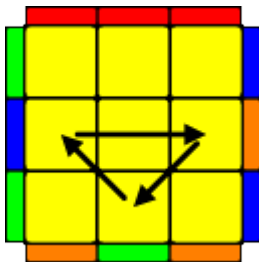


Gd: y2 R U R' U' D R2 U' R U' R' U R' U R2
 Lefty: D' L U L' U' D L2 U' L U' L' U L' U L2

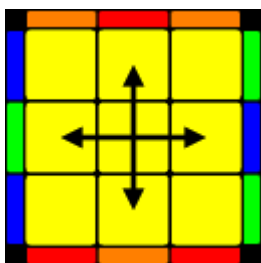
Edges only



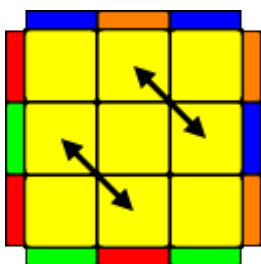
Ua: $y^2 M^2 U' M' U^2 M U' M^2$ (Main 1)
 $R^2 U' R' U' R U R U R U' R$ (angle and grip)
 $y^2 R U' R U R U R U' R' U' R^2$ (Main 2)
 $y R^2 U' S' U^2 S U R^2$ (for the particular angle)
 $R U R' U R' U' R^2 U' R' U R' U R$ (U2 AUF)
 Lefty: $y^2 L^2 U' L' U' L U L U L U' L$



Ub: $M^2 U M' U^2 M U M^2$ (Main 1)
 $R^2 U R U R' U' R' U' R' U R'$ (Main 2)
 $y R^2 U' R^2 S R^2 S' U' R^2$ (Angle)
 Lefty: $L' U L' U' L' U' L' U L U L^2$

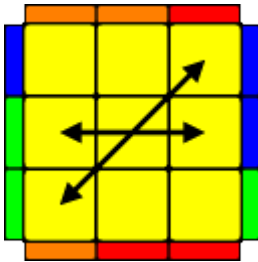


H: M2 U' M2 U2 M2 U M2
M2 U2 M2 U' M2 U2 M2 (U2 AUF)



Z: M2 U' M2 U' M' U2 M2 U2 M (Main)
y M' U2 M2 U2 M U M2 U' M2 (alt)

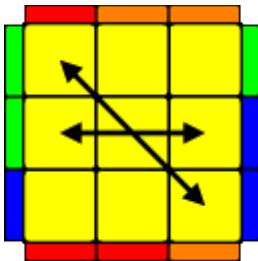
Diag Corner Swaps



Na: $R U R' U R U R' F' R U R' U' R' F R^2 U' R'$
 $U^2 R U' R'$

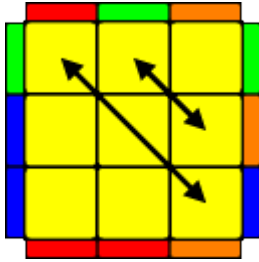
Lefty:

$I D F' I' U I F D' I^2 U' I U I F' I' F$



Nb: $r' D' F r U' r' F' D r^2 U r' U' r' F r F'$ (Main 1)
 $R' U R U' R' F' U' F R U R' F R' F' R U' R$ (Main 2)

Lefty: $L' U' L U' L' U' L F L' U' L U L F' L^2 U' L$
 $U^2 L' U' L$

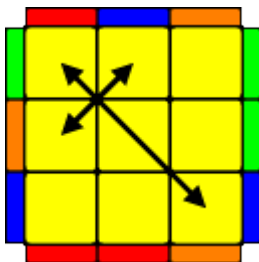


V: R' U R' U' y R' F' R² U' R' U R' F R F (Main 1)

y R U' R U R' D R D' R U' D R² U R² D' R² (Main 2)

Lefty: L U' L U' y' L F' L² U L U' L F' L' F' (Main 1)

y' L' U L' U' L D' L' D L' U D' L² U' L² D L² (Main 2)



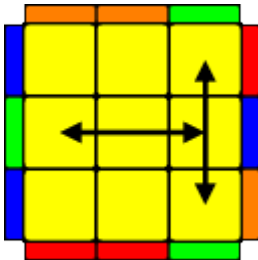
Y: F R U' R' U' R U R' F' R U R' U' R' F R F' (Main)

F R' F R² U' R' U' R U R' F' R U R' U' F' (alt)

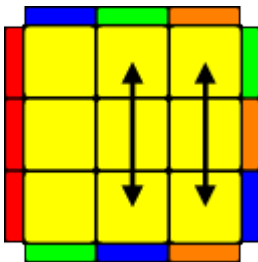
Lefty: F' L' U L U L' U' L F L' U' L U L F' L' F (main)

F' L F' L² U L U L' U' L F L' U' L U F (alt)

Adjacent Corner Swaps

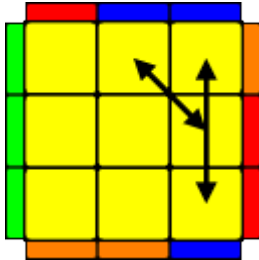


T: R U R' U' R' F R² U' R' U' R U R' F' (Main)
 R U R' U' R' F R² U' R' U F' L' U L (U² AUF)
 Lefty: L' U' L U L F' L² U L U L' U' L F (Main)
 L' U' L U L F' L² U L U' F R U' R' (U² AUF)



F: R' U' F' R U R' U' R' F R² U' R' U' R U R' U R
 (Main)
 R² F R F' R' U' F' U' F R² U R' U' R (Alt +AUF)
 Lefty:
 y² L U F L' U' L U L F' L² U L U L' U' L U' L'
 (Main)

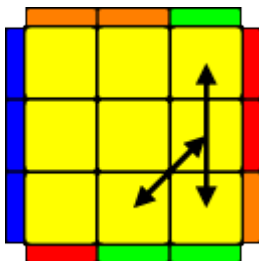
$y^2 L^2 F' L' F L U F U' F' L^2 U' L U L'$ (Alt +AUF)



Ja/L: $x R^2 F R F' R U^2 r' U r U^2 x'$ (Main)

$y' R' U L' U^2 R U' R' U^2 R L$ (Alt + Lefty)

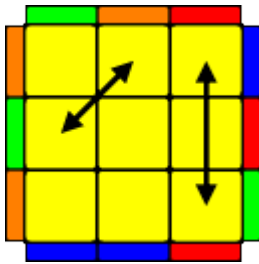
Lefty: $L' U L F L' U' L U L F' L^2 U L U$



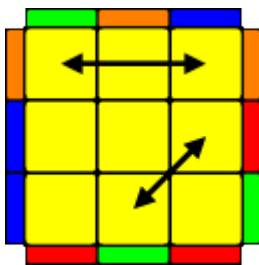
Jb: $R U R' F' R U R' U' R' F R^2 U' R' U'$ (Main)

Lefty: $y^2 x L^2 F' L' F L' U^2 l' U' l U^2 x'$

$y' L U' R U^2 L' U L U^2 L' R'$



Ra: R U' R' U R U R D R' U' R D' R' U2 R'
 Lefty: L' U2 L U2 L F' L' U' L U L F L2



Rb: R' U2 R U2 R' F R U R' U' R' F R2 (Main)
 R' U2 R' D' R U' R' D R U R U' R' U R (Alt 1)
 R2 F' R U R U' R' F' R U2 R' U2 R (Alt 2)
 Lefty: L' U L U L' U' L' D' L U L' D L U2' L

Images sourced from: [PLL Algorithms - CFOP Speedcubing Cases - Speedsolving.com Wiki](https://www.speedsolving.com/wiki/index.php/PLL_Algorithms_-_CFOP_Speedcubing_Cases)

These are all the fastest main and alt algs or all the 21 PLLs.

