

PLL Aa

$x L2 D2 (L' U' L) D2 (L' U L')$
 $y' x' (L' U L') D2 (L U' L') D2 L2$
 $y x (R' U R') D2 (R U' R') D2 R2$
 $y2 x' R2 D2 (R' U' R) D2 (R' U R')$



F2L 1

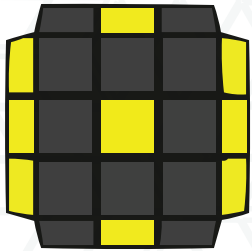
$U2 (R U R') U (R U' R')$
 $y F R U2 R' F'$



BASIC

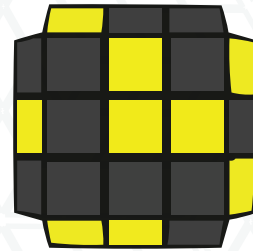
BOTH TOP

WHITE UP



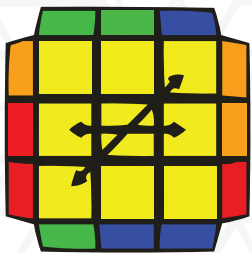
OLL 1

$R U2 R2 F R F' U2 R' F R F'$



OLL 47

$R' U' R' F R F' R' F R F' U R$
 $F' L' U' L U L' U' L U F$
 $y' F U R U' R' F' R U R' U R U2 R'$



PLL Na

$(R U R' U) (R U R') F' (R U R' U) \rightarrow$
 $\rightarrow R' F (R2 U' R' U2) (R U' R')$
 $z U R' D (R2 U' R) D' U R' D (R2 U' R) D'$



F2L 9

$(R U R')$

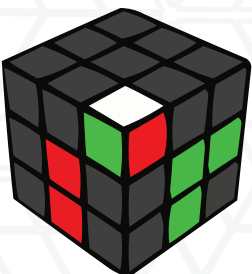


BASIC

BOTH TOP

WHITE SIDE

DIFFER ON U



F2L 42

$U' R' U R2 U' R'$



ADVANCED

> IN WRONG SLOT

WHITE UP



F2L 72

$U' (F' U F) (L U2 L')$
 $y U' (L' U L) U' (f R' f')$



F2L 78

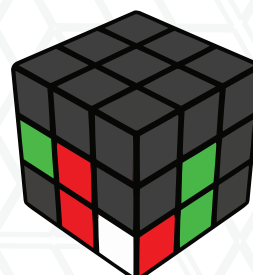
$R2 U' R2' U R2$
 $y2 L2' U' L2 U L2'$
 $y F' R' F2 R F$



EXPERT

> IS SOLVED

> IS IN WRONG SLOT



F2L 93

$(R' F R U' F') U (R U' R')$
 $R U' R2' u' R' u R$
 $y2 L U' L2' u' L' u L$



EXPERT

> IS FLIPPED

> IS IN NEAR SLOT

