



WV Algorithms (Winter Variation)

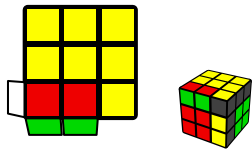
Algorithms from Feliks Zemdegs, Lucas Winter



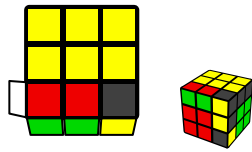
Inserting last connected basic F2L and orienting LL corners, assuming LL edges are oriented. Prerequisite: COLL.

WV [27] Algorithm types: Pure WV [16]; Insert to [Sune variant](#) [6]; Insert to [OLL](#) [5].

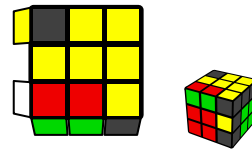
3 CO [1] & 2 CO [6]



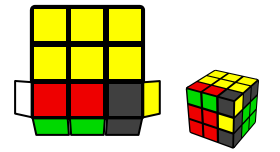
$L' U2 (R U R') U2' L$



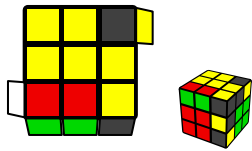
$R U' R'$



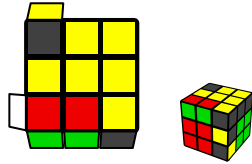
$(R U R' U') (R U' R')$



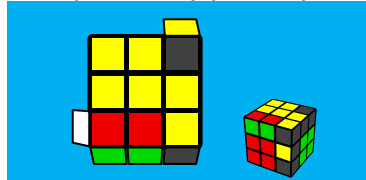
$U' (R' F R U) (R U' R' F')$



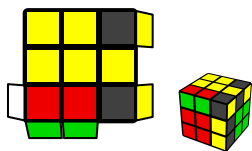
$R2 D (R' U' R D') R2'$



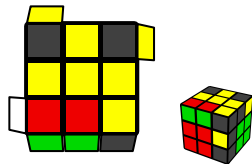
$U' (R U' R' U2)2 (R U R')$



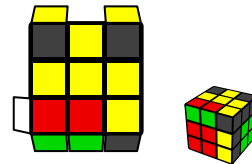
$(R U' R' U) (R' U' R U' R' U2 R)$



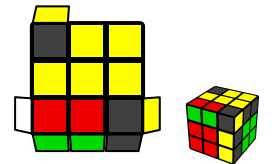
$U R U2' R'$



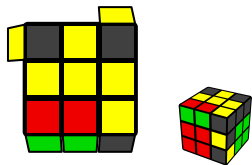
$U (R U' R' U) (R U2' R')$



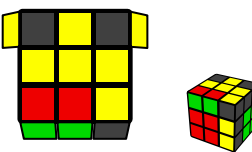
$R U (R2' U' R2 U') (R2' U2' R)$



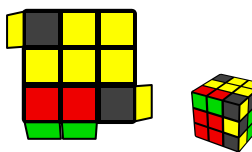
$U R2 D (R' U2 R D') R2'$



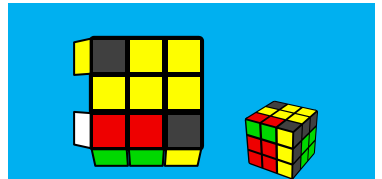
$U R' U' R2 U' R2' U2' R$



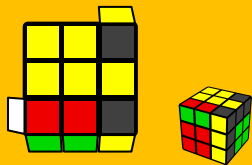
$U F' (R U2' R' U2') (R' F R)$



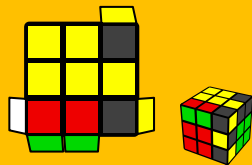
$U' L' (U R U' R') L$



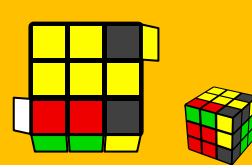
$U R U2' (R2' U' R U' R' U2 R)$



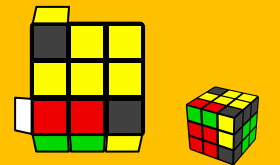
$(R U' R' U2) (r U R' U' r' F R F')$



$(R U' R') (R2' D' R U2 R' D R U2 R)$

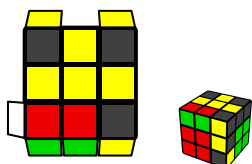


$(R U' R' U) (R2 D R' U2 R D' R' U2 R')$

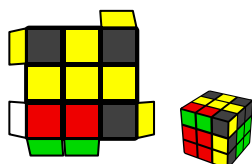


$(R U' R' U) (r U R' U' r' F R F')$

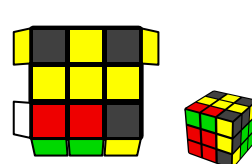
0 CO [8]



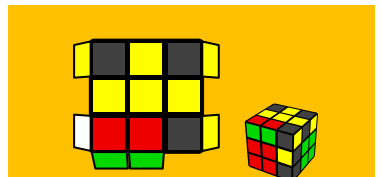
$U (R U' R' U)2 (R U2' R')$



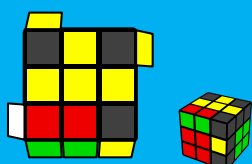
$(R U R' U')2 (R U' R')$



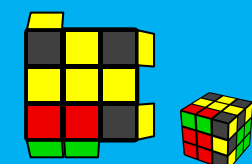
$R2 D (R' U R D') (R' U2 R')$



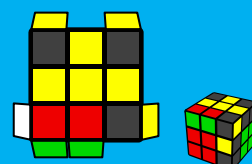
$(R U' R') U2 (R U2' R2' U' R2 U' R2' U2' R)$



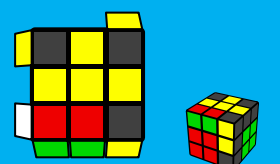
$(R U' R' U') (R U R' U R U2' R')$



$R U' (R2' U2' R U R' U R)$



$U R U2' (R2' U2' R U R' U R)$



$R U' (R2' U' R U' R' U2 R)$