

OLL-1L

CFOP (Fridrich) Method: Orientation of Last Layer - 1 Look.

Dots



OLL-01



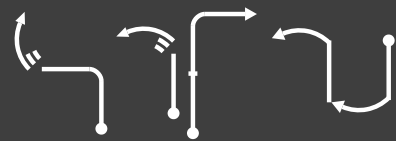
$(R U2') (R2' F R F') U2' (R' F R F')$



OLL-02



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



$(R U B') (R B) (R2 U') (R' F R F')$



$F (R U R') U' S (R U R' U') f'$



OLL-03



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



OLL-04



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

Squares



OLL-05



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



OLL-06



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

Small Lightning



OLL-07



$r U R' U R U2' r'$



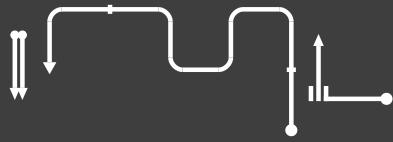
OLL-08



$r' U' R U' R' U2 r$



OLL-11



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



OLL-12



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



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

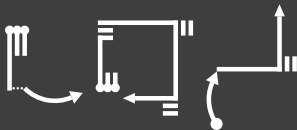


$y F (R U R' U') F' U F (R U R' U') F'$

Big Lightning



OLL-39



$(L F') (L' U' L U) F U' L'$



OLL-40



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

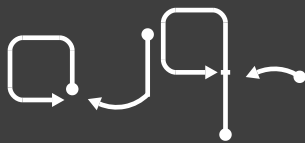


$F (R U R' U') F' (R' U' R U' R' U2 R)$

Fish Shapes



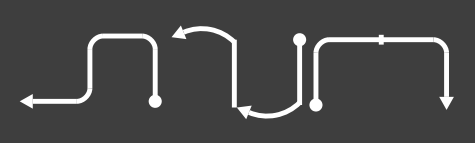
OLL-09



$(R U R' U') R' F (R2 U R' U') F'$



OLL-10



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



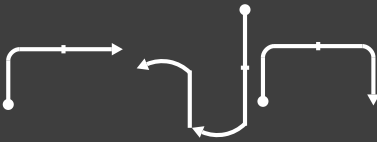
$(R' U' R) y r U' r' U r U' r'$



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



OLL-35



$(R U2') (R2' F R F') (R U2' R')$



OLL-37



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



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



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

Knight Moves



OLL-13



$(rU'r'U'rUR')y'(R'UR)$



OLL-14



$(R'FRUR'F'R)y'(RU'R')$



$(rU'r'U'rUR')(F'UF)$



$(R'FRUR'F'R)(FU'F')$



OLL-15



$(r'U'r)(R'URU)(r'U'r)$



OLL-16



$(rUr')(RU'R'U')(rU'r')$

Slash



OLL-17



$(RUR'U)(R'FRF')U2'(R'FRF')$

Chevrons



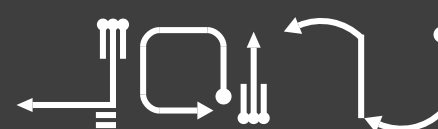
OLL-18



$(rUR'URU2'r')(r'U'RUR'R'U2r)$



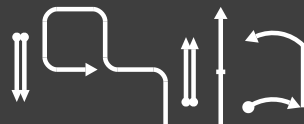
OLL-19



$MURUR'U)M'(R'FRF')$



$yRU2'(R2'FRF')U2'M'(URUR')$

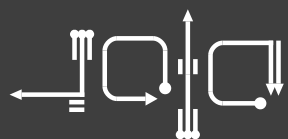


$r'RURUR'U'rR2(FRF')$

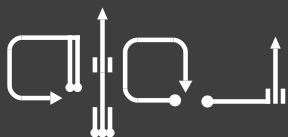
X



OLL-20



$M U (R U R' U') M_2' (U R U' r')$



$(r U R' U') M_2' (U R U' R') U' M'$

All Edges In Place



OLL-21



$(R U_2 R') (U' R U R') (U' R U' R')$



OLL-22



$R U_2' R_2' U' R_2 U' R_2' U_2' R$



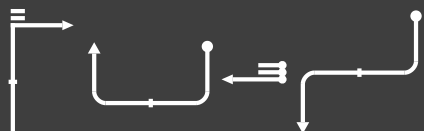
$F (R U R' U') (R U R' U') (R U R' U') F'$



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



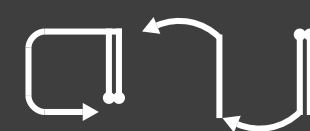
OLL-23



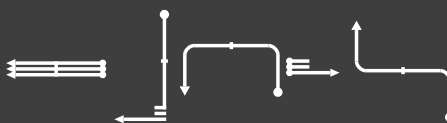
$R_2 D (R' U_2 R) D' (R' U_2 R)$



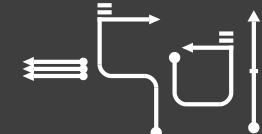
OLL-24



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



$y_2 R_2' D' (R U_2 R') D (R U_2 R)$



$y (R U R D) (R' U' R D') R_2$



OLL-25



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



OLL-26



$R U_2 R' U' R U' R'$



$x (R' U R) D' (R' U' R) D x'$



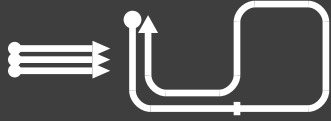
$y' R' U' R U' R' U_2 R$



OLL-27



$RUR'URU_2'R'$

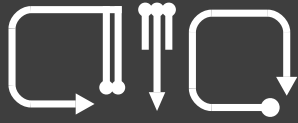


$y'R'U_2'RUR'UR$

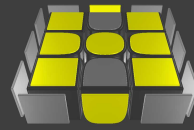
Edges Flipped



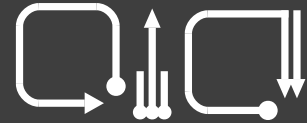
OLL-28



$(rUR'U')M(URU'R')$



OLL-57



$(RUR'U')M'(URU'r')$

Y Shapes



OLL-29



$MURUR'R'U')(R'FRF')M'$



OLL-30



$y'FU(RU_2R'U')(RU_2R'U')F'$



$y(RUR'U')(RU'R')(F'U'F)(RU'R')$



$r'D'rU'r'Dr_2U'r'URUr'$



OLL-41



$(RUR'URU_2'R')F(RUR'U')F'$



OLL-42



$(R'URUR'R'U_2R)F(RUR'U')F'$

P-Shapes



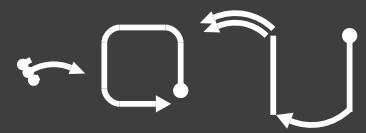
OLL-31



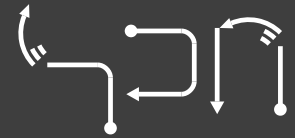
$(R' U' F) (U R U' R') F' R$



OLL-32



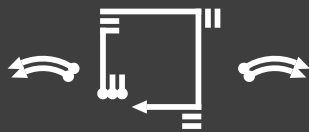
$S (R U R' U') (R' F R f')$



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



OLL-43



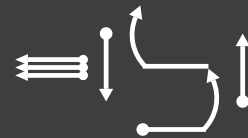
$f' (L' U' L U) f$



OLL-44



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



$y R' U' F' U F R$

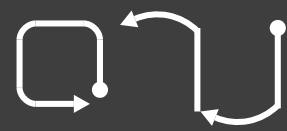


$y_2 F (U R U' R') F'$

T Shapes



OLL-33



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



OLL-45

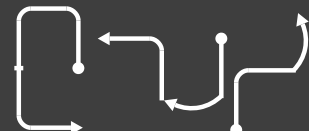


$F (R U R' U') F'$

C-Shapes



OLL-34



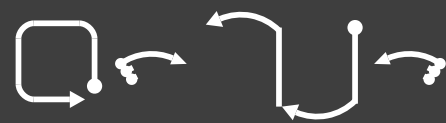
$(R U R_2' U') (R' F R U) R U' F'$



OLL-46



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



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

W-Shapes



OLL-36



$(R' U' R U) (R' U R U) LU' R' U x$



OLL-38



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

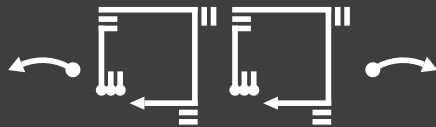


$y^2 (R U R' F') (R U R' U') (R' F R U') (R' F R F')$

L-Shapes



OLL-47



$F' (L' U' L U) (L' U' L U) F$



OLL-48



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



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



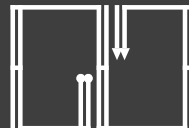
OLL-49



$r U' r2' U r2 U r2' U' r$



OLL-50



$r' U r2 U' r2' U' r2 U r'$



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



OLL-53



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



OLL-54



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



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



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

I-Shapes



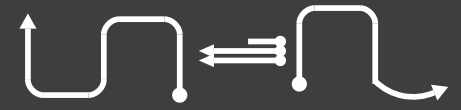
OLL-51



$f(RUR'U')(RUR'U')f'$



OLL-52



$RUR'URd'RUR'F'$



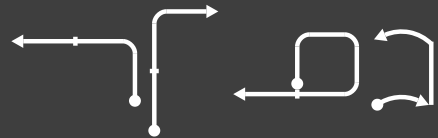
$y_2 F(U R U' R')(U R U' R') F'$



$(RUR'URU')y(RU'R')F'$



OLL-55



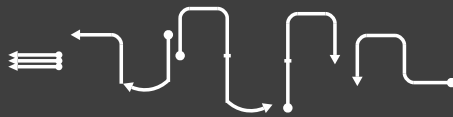
$RU_2R_2U'RUR'U_2(FRF')$



OLL-56



$r'U'r(U'R'UR)(U'R'UR)r'Ur$



$y(R'FRU)(RU'R_2'F')R_2U'R'(URUR')$



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