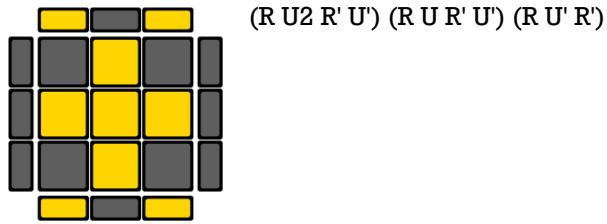


CFOP: all 57 OLLs

All edges oriented - All corners oriented

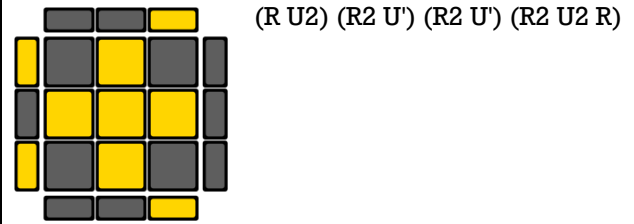
OLL 21

Setup: R U R' U R U' R' U R U2 R'



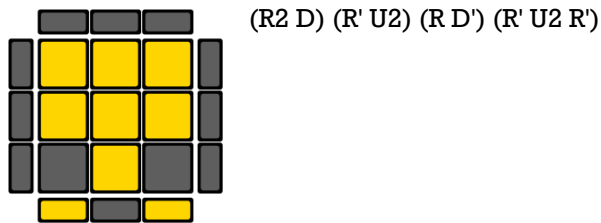
OLL 22

Setup: R' U2 R2 U R2 U R2 U2 R'



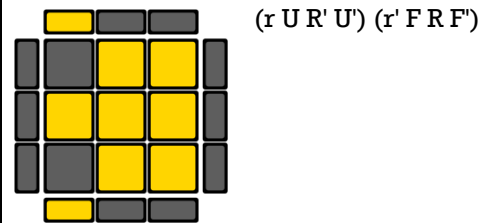
OLL 23

Setup: R U2 R D R' U2 R D' R2



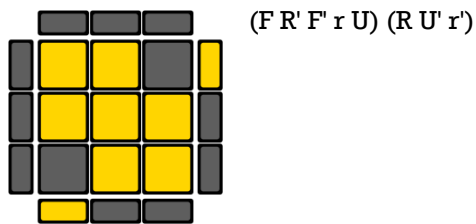
OLL 24

Setup: F R' F' r U R U' r'



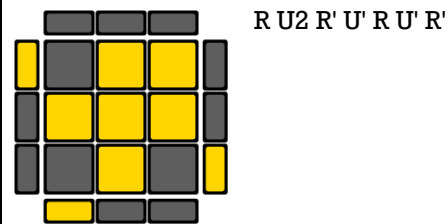
OLL 25

Setup: r U R' U' r' F R F'



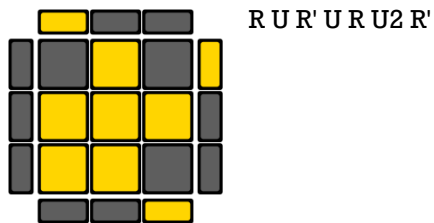
OLL 26 - antisune

Setup: R U R' U R U2 R'



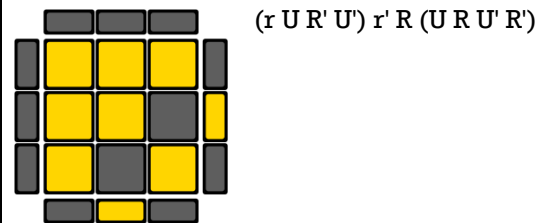
OLL 27 - sune

Setup: R U2 R' U' R U' R'



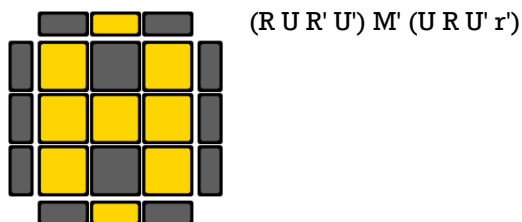
OLL 28

Setup: R U R' U' R' r U R U' r'



OLL 57

Setup: r U R' U' M U R U' R'

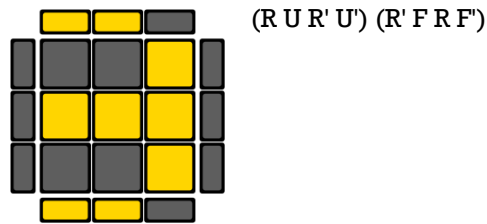


CFOP: all 57 OLLs

T shapes - W shapes - Square shapes - P shapes

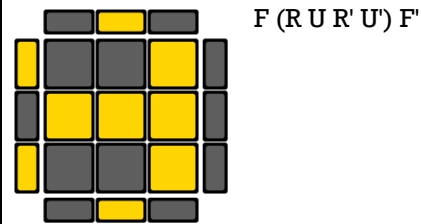
OLL 33

Setup: F R' F' R U R U' R'



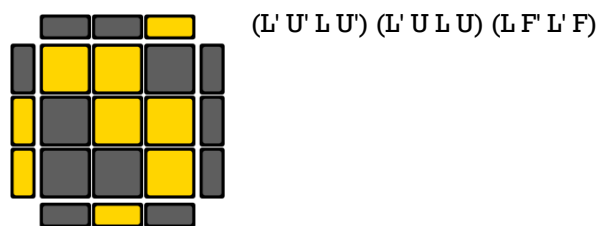
OLL 45

Setup: F U R U' R' F'



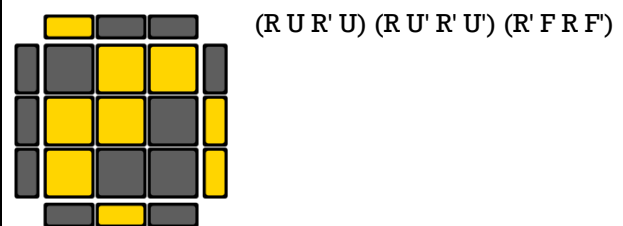
OLL 36

Setup: F' L F L' U' L' U' L U L' U L



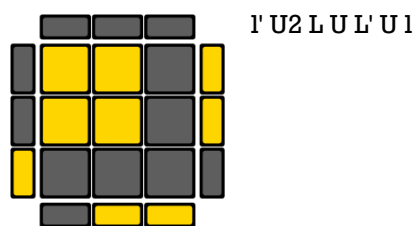
OLL 38 - W shape

Setup: F R' F' R U R U' R' U' R U' R'



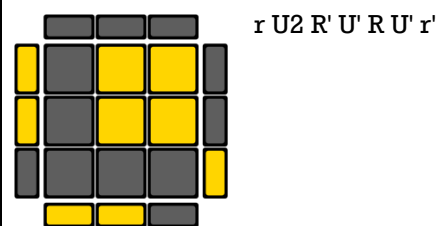
OLL 5 - Left Fat antisune

Setup: l' U' L U' L' U2 l



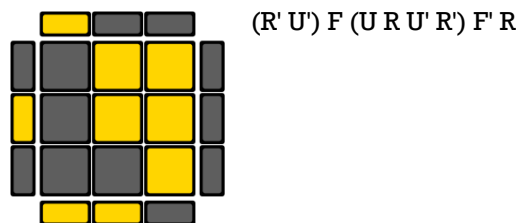
OLL 6 - Fat antisune

Setup: r U R' U R U2 r'



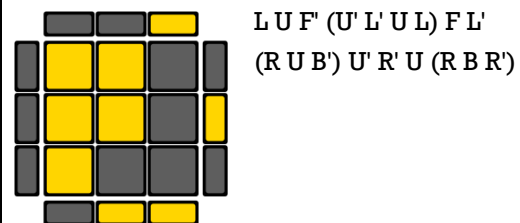
OLL 31

Setup: R' F R U R' U' F' U R



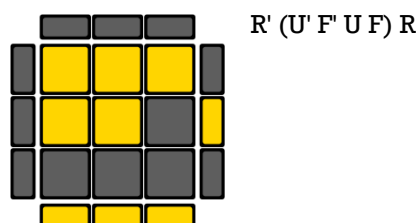
OLL 32

Setup: L F' L' U' L U F U' L'



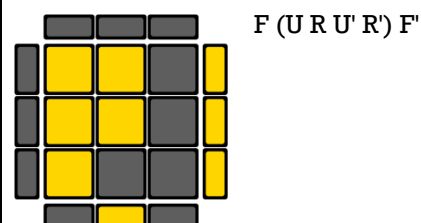
OLL 43

Setup: R' F' U' F U R



OLL 44

Setup: F R U R' U' F'

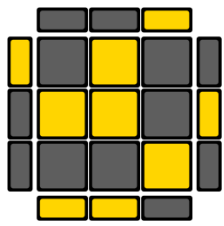


CFOP: all 57 OLLs

Fish shapes - C shapes

OLL 9

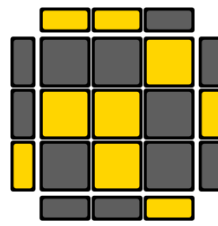
Setup: F U R U' R2 F' R U R U' R'



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

OLL 10

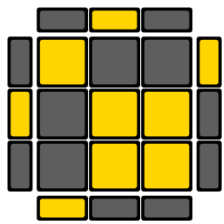
Setup: R U2 R' F R' F' R U' R U' R'



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

OLL 35

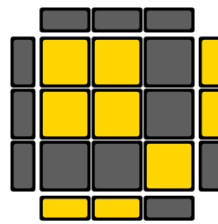
Setup: R U2 R' F R' F' R2' U2 R'



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

OLL 37

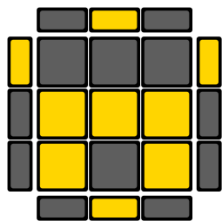
Setup: R U R' U' R' F R F'



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

OLL 34

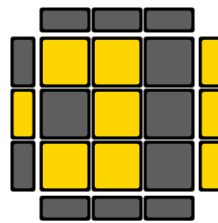
Setup: F U R' U' R' F' R U R2 U' R'



(R U R2 U') R' F R U R U' F'
(R U R' U') y' (r' U' R U M')

OLL 46

Setup: R' U' F R' F' R U R



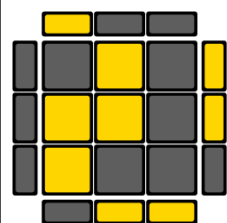
R' U' (R' F R F') U R

CFOP: all 57 OLLs

Small / big lightning bolts

OLL 7

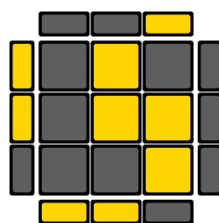
Setup: r U2 R' U' R U' r'



r U R' U R U2 r'

OLL 8

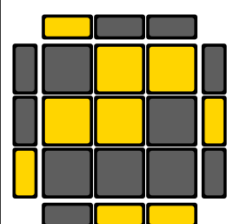
Setup: l' U2 L U L' U l



l' U' L U' L' U2 l

OLL 11

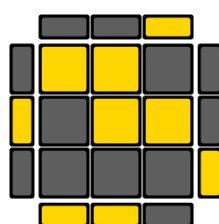
Setup: r U2 R' F R' F' R U' R U' r'



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

OLL 12

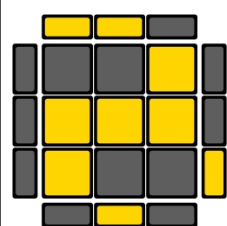
Setup: M' U R' U2 R U R' U R M



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

OLL 39

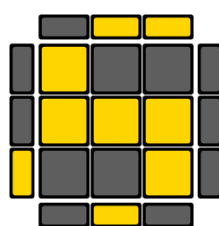
Setup: L U F' U' L' U L F L'



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

OLL 40

Setup: R' U' F U R U' R' F' R



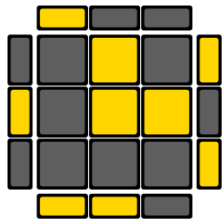
R' F (R U R' U') F' U R

CFOP: all 57 OLLs

L shapes

OLL 47

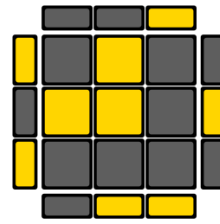
Setup: R' U' F R' F' R F R' F' R U R



R' U' (R' F R F' R' F R F') U R
F' (L' U' L U) (L' U' L U) F

OLL 48

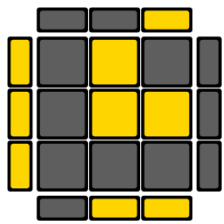
Setup: F U R U' R' U R U' R' F'



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

OLL 49

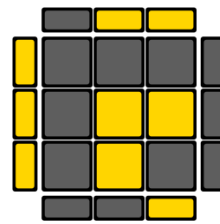
Setup: r' U r2 U' r2 U' r2 U r'



(r' U') (r2 U r2 U) (r2 U' r)

OLL 50

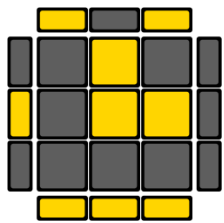
Setup: r U' r2 U r2' U r2 U' r



r' U (r2 U' r2' U' r2) U r'
(R' F) (R2 B' R2 F') (R2 B R')

OLL 53

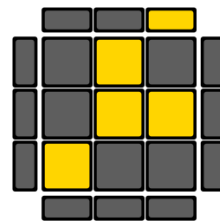
Setup: l' U' L U' L' U L U' L' U2 l



(l' U2 L U) (L' U' L U) L' U l
(l' U' L U') (L' U L U') (L' U2 l)

OLL 54

Setup: r U R' U R U' R U2 r'



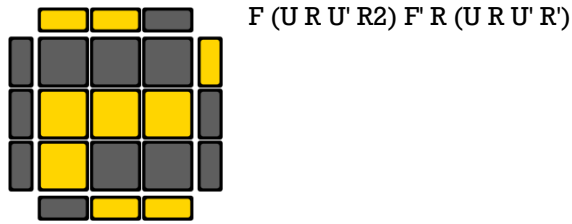
r U2 (R' U' R U) (R' U' R U') r'

CFOP: all 57 OLLs

Knight move shapes, I Shapes

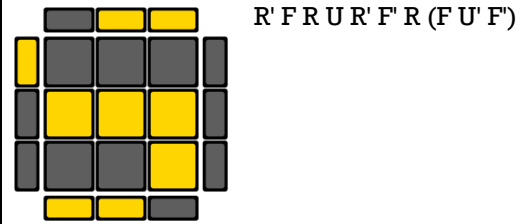
OLL 13

Setup: R U R' U' R' F R2 U R' U' F'



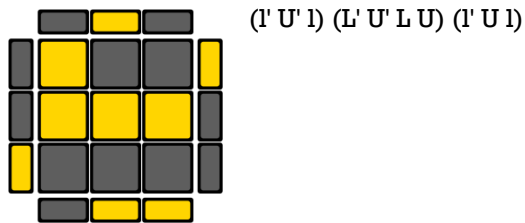
OLL 14

Setup: F U F' R' F R U' R' F' R



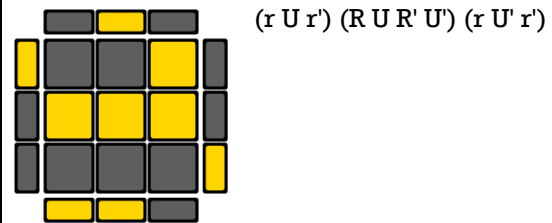
OLL 15

Setup: l' U' l U' L' U L l' U l



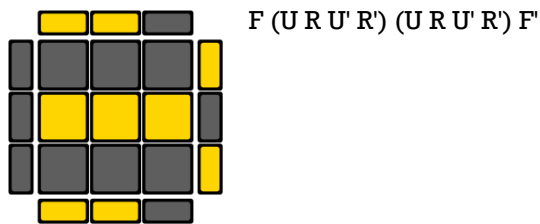
OLL 16

Setup: r U r' U R U' R' r U' r'



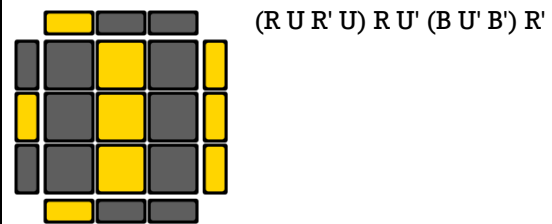
OLL 51

Setup: F R U R' U' R U R' U' F'



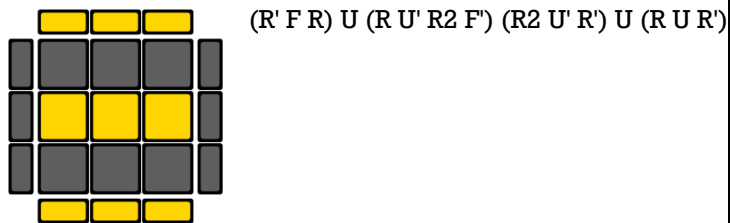
OLL 52

Setup: R B U B' U R' U' R U' R'



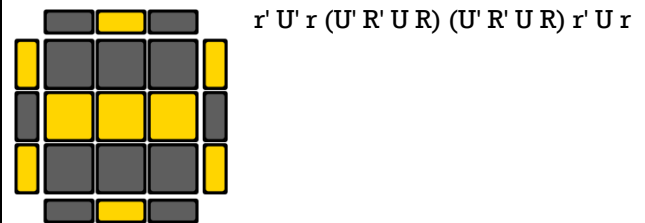
OLL 55

Setup: R U' R' U' R U R2 F R2 U R' U' R' F' R



OLL 56

Setup: r' U' r R' U' R U R' U' R U r' U r

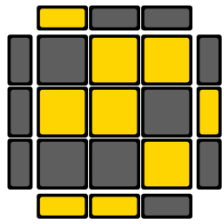


CFOP: all 57 OLLs

Awkward shapes

OLL 29

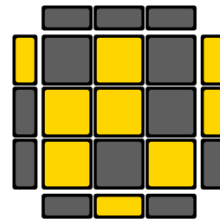
Setup: R U' R' F' U F R U R' U R U' R'



(R U R' U') (R U' R') (F' U' F) (R U R')
r2 D' (r U r') D r2 U' (r' U' r)

OLL 30

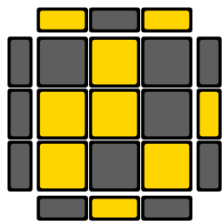
Setup: F2 R U' R' U R U R2 F' R F'



(F R' F) (R2 U' R' U') (R U R') F2

OLL 41

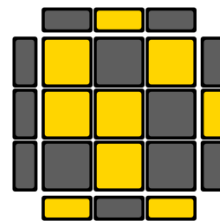
Setup: F U R U' R' F' R U2' R' U' R U' R'



(R U R' U R U2' R') (F R U R' U' F')
(R U R' U R U2' R') (T Shapes - OLL 45)

OLL 42

Setup: F U R U' R' F' R' U2 R U R' U R



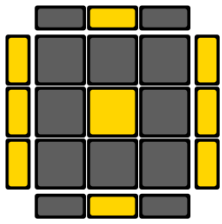
(R' U' R U' R' U2 R) (F R U R' U' F')
(R' U' R U' R' U2 R) (T Shapes - OLL 45)

CFOP: all 57 OLLs

No edges oriented

OLL 1

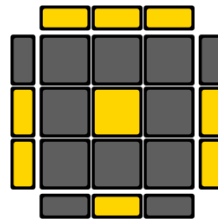
Setup: F R' F' R U2 F R' F' R2' U2 R'



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

OLL 2

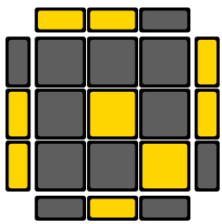
Setup: r U r' U2 R U2 R' U2 r U' r'



(r U r') (U2 R U2 R' U2) (r U' r')
U' (F R U R' U') (S R U R' U') f

OLL 3

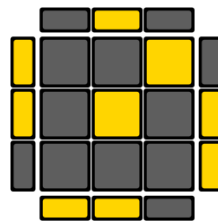
Setup: F U R U' R' F' U f U R U' R' f



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

OLL 4

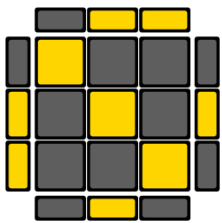
Setup: F U R U' R' F' U' f U R U' R' f



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

OLL 17

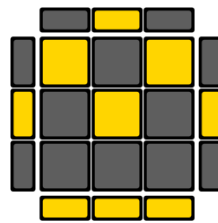
Setup: F R' F' R U2 F R' F' R U' R U' R'



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

OLL 18

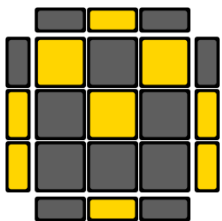
Setup: r' U2 R U R' U r r U2 R' U' R U' r'



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

OLL 19

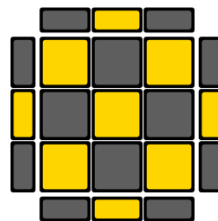
Setup: F R' F' R M U R U' R' U' R' r



r' R U (R U R' U') M' (R' F R F')

OLL 20

Setup: M U R U R' U' M2 U R U' r'



(r U R' U') M2 (U R U' R') U' M'