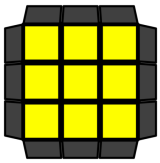
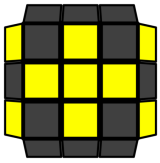
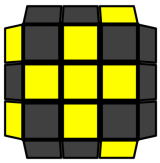
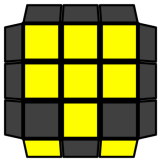
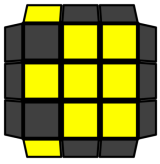
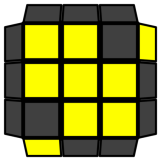
OLL

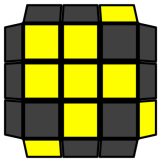
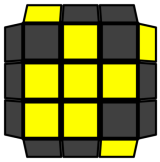
RedCyclone05

Group

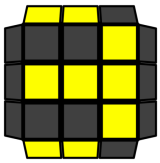
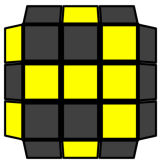
	**Case Name** Main Algorithm Alternative Algorithm Alternative Algorithm 2	Set Up Algorithm

Oriented Cross

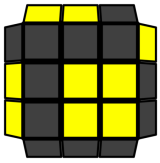
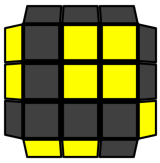
	**OLL1** (R U R') (U R U' R') U (R U2 R') y (R U2 R' U') (R U R' U') (R U' R')	(R U2 R' U') (R U R' U') (R U' R')
	**OLL2** R U2 R2 U' R2 U' R2 U2 R R' U2 R2 U R2 U R2 U2 R'	R' U2 R2 U R2 U R2 U2 R'
	**OLL3** R2 D (R' U2 R) D' R' U2 R' y2 R2 D' (R U2 R') D R U2 R	R U2 R D (R' U2 R) D' R2
	**OLL4** (r U R' U') (r' F R F') y' x' (R U R') D (R U' R') D' x	F R' F' r U R U' r'
	**OLL5** y F' (r U R' U') r' F R F R' F' r U R U' r'	R' F' r U R U' r' F y'

	**OLL6 Anti Sune** y R U2 (R' U' R U') R' (R' U' R U') (R' U2 R) y2 (L' U' L U') (L' U2 L)	(R U R' U) (R U2 R') y'
	**OLL7 Sune** (R U R' U) (R U2 R') y' R' U2 (R U R' U) R	R U2 (R' U' R U') R'

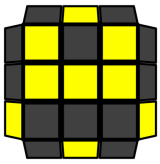
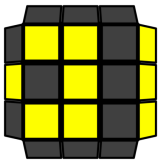
T Shapes

	**OLL8** (R U R' U') (R' F R F') y2 (L' U' L U) (L F' L' F)	(F R' F' R) (U R U' R')
	**OLL9** F (R U R' U') F' y R' (F' U' F) U R	F (U R U' R') F'

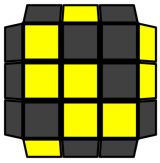
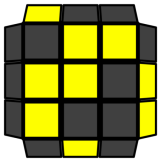
Square Shapes

	**OLL10** r' U2 (R U R' U) r y2 l' U2 (L U L' U) l	r' (U' R U' R') U2 r
	**OLL11** r U2 (R' U' R U') r' F U' R2 D (R' U' R) D' R2 U F'	r (U R' U R) U2 r'

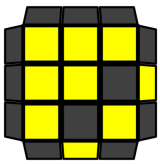
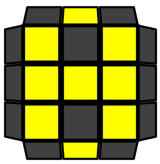
C Shapes

	**OLL12** y (f R f') U' (r' U' R U M') y2 R U R2 U' R' F (R U R U') F'	M U' R' U r U (f R' f') y'
	**OLL13** R' U' (R' F R F') U R R' (F' U' F) R U' (R' U2 R)	R' U' (F R' F' R) U R

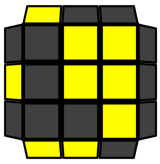
W Shapes

	**OLL14** y2 (L' U' L) (U' L' U L) U (L F' L' F) y R U R2 (F' U' F) U R2 U2 R'	(F' L F L') U' (L' U' L U) (L' U L) y2
	**OLL15** (R U R') (U R U' R') U' (R' F R F') y F (R U' R') S (U' R U R') f'	(F R' F' R) U (R U R' U') (R U' R')

All Corners Oriented

	**OLL16** (r U R' U') M (U R U' R') R' F R S R' F' R S'	(R U R' U') M' U R U' r'
	**OLL17** (R U R' U') M' U R U' r' y (R U' R') S' (R U R') S	(r U R' U') M (U R U' R')

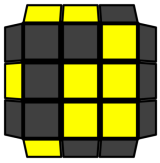
P Shapes



OLL18

R' U' F (U R U' R') F' R
y2 S' (L' U' L U) L F' L' f

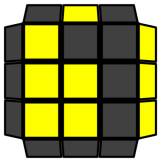
R' F (R U R' U') F' U R



OLL19

S (R U R' U') R' F R f'
y2 L U F' (U' L' U L) F L'
R U B' U' (R' U R) B R'

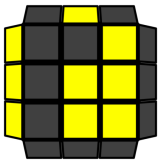
f R' F' R (U R U' R') S'



OLL20

y R' U' F' U F R
y2 F' (U' L' U L) F

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

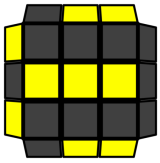


OLL21

y2 F (U R U' R') F'
f (R U R' U') f'

F (R U R' U') F' y2

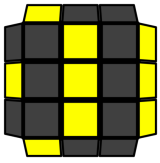
Line Shapes



OLL22

y2 F (U R U' R') (U R U' R') F'
f (R U R' U') (R U R' U') f'

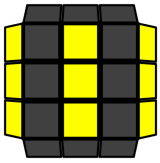
F (R U R' U') (R U R' U') F' y2



OLL23

y2 R' (F' U' F) U' (R U R' U) R
(R U R' U) R U' B U' B' R'

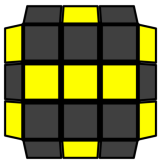
R' U' (R U' R' U) F' U F R y2



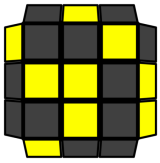
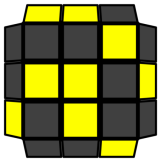
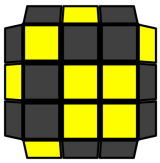
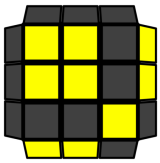
OLL24

y R' F U R U' R2 F' R2 (U R' U' R)
R U2 R2 (U' R U' R') U2 F R F'

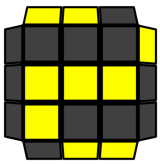
(R' U R U') R2 F (R2 U R' U') F' R y'

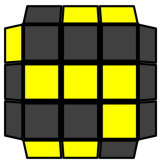
	**OLL25** (r U r') (R U R' U') (R U R' U') (r U' r') (r U r') (U R U' R') (U R U' R') (r U' r') (r U r') (U R U' R') M' U R U2 r'

Fish Shapes

	**OLL26** F U R U' R2 F' R (U R U' R') y' y (R U R' U') R' F (R2 U R' U') F' (R U2 R' U') S' (R U' R') S
	**OLL27** (R U2 R') (F R' F' R) (U' R U' R') (R U R' U) (R' F R F') (R U2 R') y (F U F') R' F (R U' R') F' R
	**OLL28** (R U2 R') F R' F' R2 U2 R' R U2 R2 F R F' (R U2 R') f (R U R' U') f' (R U R' U) (R U2 R')
	**OLL29** (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')

Knight Move Shapes

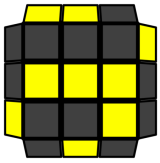
	**OLL30** F (R U' R' U) (R U2 R' U') F' F U (R U2 R') (U' R U R') F' F U R U' R2 F' R (U R U' R') (r U' r') U' (r U r') F' U F



OLL31 (F U F') R' F (R U' R') F' R

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

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

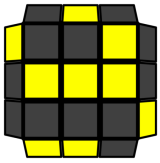


OLL32 r' U' r U' (R' U R) r' U r

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

y2 (l' U' l) (L' U' L U) (l' U l)

y2 R' F' R (L' U' L U) R' F R

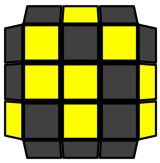


OLL33 (r U r') (U R U' R') (r U' r')

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

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

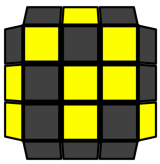
Awkward Shapes



OLL34 r' U r U r2 D' (r U' r') D r2

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

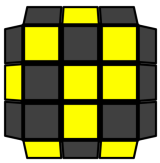
y (R U R' U') (R U' R') (F' U' F) (R U R')



OLL35 (r U' r') U' r U r2 D' (r U r') D r y

y' r' D' (r U' r') D r2 U' r' U (r U r')

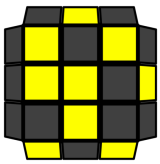
y2 F U (R U2 R' U') (R U2 R' U') F'



OLL36 F (U R U' R') F' R U2 (R' U' R U') R' y2

y2 (R U R' U) (R U2 R') F (R U R' U') F'

y2 F U R2 D (R' U' R) D' R2 F'

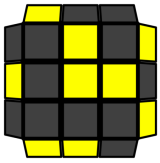
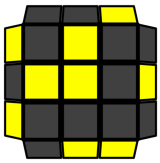
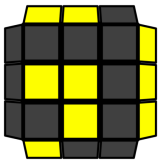
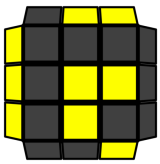
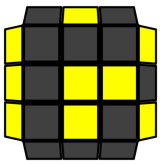
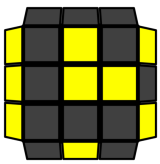


OLL37 F (U R U' R') F' R' U2 (R U R' U) R

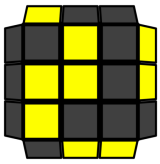
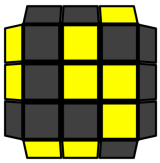
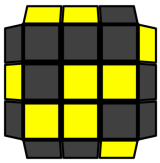
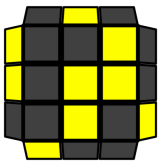
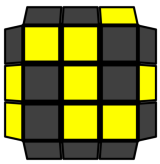
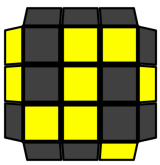
(R' U' R U') (R' U2 R) F (R U R' U') F'

y F S' (R U R' U') F' U S

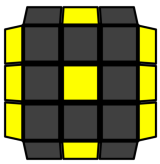
L Shapes

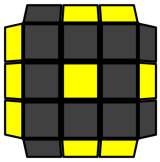
	**OLL38** F' (L' U' L U) (L' U' L U) F y' (F R' F' R) U2 (R U' R' U) (R U2 R') R' U' (R' F R F') (R' F R F') U R F' (U' L' U L) (U' L' U L) F
	**OLL39** F (R U R' U') (R U R' U') F' y2 f (U R U' R') (U R U' R') f' F (U R U' R') (U R U' R') F'
	**OLL40** y2 r U' r2 U r2 U r2 U' r l U' l2 U l2 U l2 U' l r' U r2 U' r2 U' r2 U r' y2
	**OLL41** r' U r2 U' r2 U' r2 U r' y2 R' F R2 B' R2 F' R2 B R' r U' r2 U r2 U r2 U' r
	**OLL42** r' (U' R U' R') (U R U' R') U2 r y2 l' U' L (U' L' U L) U' L' U2 l r' U2 (R U R' U') (R U R' U) r
	**OLL43** r U R' (U R U' R') U R U2 r' y' r U2 R' U' (R U R' U') R U' r' r U2 R' U' (R U R' U') R U' r'

Lightning Shapes

	**OLL44** r (U R' U R) U2 r' y2 l (U L' U L) U2 l'	r U2 (R' U' R U') r'
	**OLL45** y2 r' (U' R U' R') U2 r l' (U' L U' L') U2 l	r' U2 (R U R' U) r y2
	**OLL46** r' R2 (U R' U R) U2 R' U M' y2 r U R' U (R' F R F') R U2 r'	M U' R U2 (R' U' R U') R2 r
	**OLL47** y' M' (R' U' R U') (R' U2 R) U' M F (R U R' U') F' U F (R U R' U') F'	M' U R' U2 (R U R' U) R M y
	**OLL48** y' f' (r U r') U' r' F r S y L F' (L' U' L U) F U' L'	S' r' F' r U (r U' r') f y
	**OLL49** y R' F (R U R' U') F' U R y' f R' F' R (U R U' R') S'	R' U' F (U R U' R') F' R y'

Dot Case

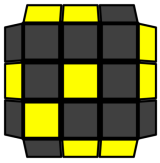
	**OLL50** R U2 R2 F R F' U2 (R' F R F') y R U' R2 D' (r U' r') D R2 U R'	(F R' F' R) U2 F R' F' R2 U2 R'



OLL51

R U' R2 D' (r U' r') D R2 U R' y

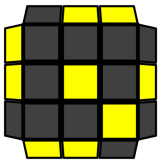
y' R U' R2 D' (r U r') D R2 U R'
F (R U R' U') S (R U R' U') f'
F (R U R' U') F' f (R U R' U') f'



OLL52

R' F2 R2 U2 R' F' R U2 R2 F2 R y'

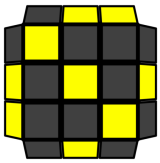
y R' F2 R2 U2 R' F R U2 R2 F2 R
y' f (R U R' U') f' U' F (R U R' U') F'
r' R2 U R' U r U2 r' U M'



OLL53

R' F2 R2 U2 R' F R U2 R2 F2 R y

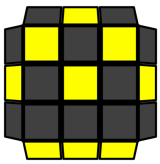
y' R' F2 R2 U2 R' F' R U2 R2 F2 R
y' f (R U R' U') f' U F (R U R' U') F'



OLL54

S' (R U R') S U' (R' F R F') y2

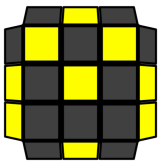
y2 (F R' F' R) U S' (R U' R') S
(R U R' U) (R' F R F') U2 (R' F R F')



OLL55

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

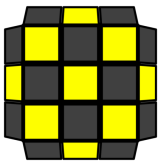
y R U2 R2 F R F' U2 M' U R U' r'
r (U R' U R) U2 r2 (U' R U' R') U2 r



OLL56

(F R' F' R) U S' (R U' R') S y'

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



OLL57

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

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

My suggestion is to learn the first algorithm for each case. If you don't like it, use the second one, and if you don’t like the second one, use the third. I recommend that you learn one per day following the order presented in this PDF. Learn it with the triggers, which are those small movements in parentheses, and practice it many times until you master it.

Referencias

• VisualCube: Generate custom Rubik's cube visualisations from your browser address bar: https://cube.rider.biz/visualcube.php
• VisualCube: Cube image in each algorithm: https://cube.rider.biz/visualcube.php?fmt=png&size;=500&stage;=oll&view;=plan&bg;=t&case;=D
• SpeedCubeDB: OLL Algorithms: https://speedcubedb.com/a/3x3/OLL
• CubeSkills: OLL Cases: https://www.cubeskills.com/tutorials/oll-algorithms
• CubeHead: How to Learn Full OLL in ONE MONTH (easy) https://www.youtube.com/watch?v=Ysy1S8ADzqw&t;=230s
• CubeHead: Full OLL: Algorithms & Finger Tricks [My Algs 2024] https://www.youtube.com/watch?v=Q947zZRYMdg&t;=10s
• GitHub: Repository with which the images and this document were created: https://github.com/RedCyclone05/OLL