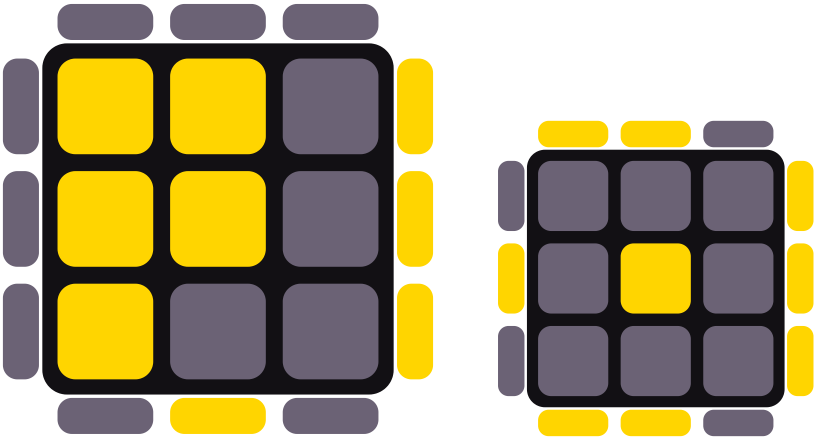
Cube Lab

PRINTABLE GUIDE

Full OLL

All 57 last-layer orientation cases.



1. 57 cases, grouped by shape

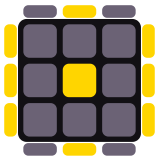
Made by Cube Lab — free, in your browser: rosestuffs.org/experiments/rubiks/ · Learn interactively at rosestuffs.org/experiments/rubiks/learn/

REFERENCE

Full OLL (57)

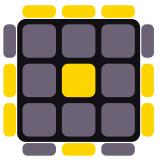
Hold the cube with the solved layers at the bottom. Turn the top until it looks like a picture (yellow stickers shown, the rest grey), then do that algorithm.

Dot 8



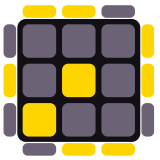
Runway

`R U2 R2 F R F' U2 R' F R F'`



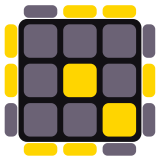
Zamboni

`r U r' U2 r U2 R' U2 R U' r'`



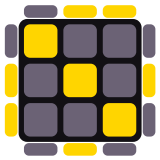
OLL 3

`r' R2 U R' U r U2 r' U M'`



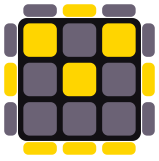
OLL 4

`M U' r U2 r' U' R U' R' M'`



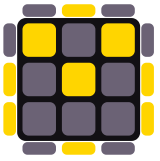
Slash

`R U R' U R' F R F' U2 R' F R F'`



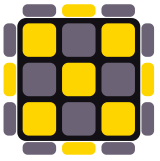
Crown

`r U R' U R U2 r2 U' R U' R' U2 r`



Bunny

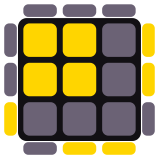
`r' R U R U R' U' M' R' F R F'`



X

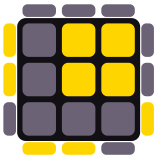
`r U R' U' M2 U R U' R' U' M'`

Square 2



Lefty square

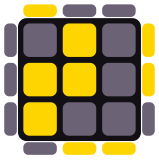
`l' U2 L U L' U l`



Righty square

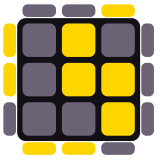
`r U2 R' U' R U' r'`

Lightning bolt 6



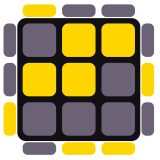
Lightning

`r U R' U R U2 r'`



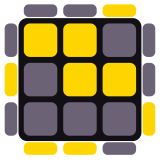
Reverse lightning

`l' U' L U' L' U2 l`



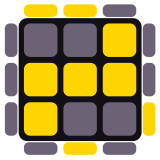
OLL 11

`r U R' U R' F R F' R U2 r'`



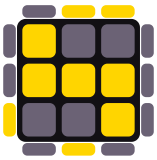
OLL 12

`M' R' U' R U' R' U2 R U' M`



Fung

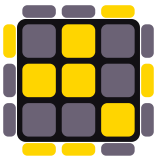
`L F' L' U' L U F U' L'`



Anti-fung

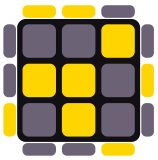
`R' F R U R' U' F' U R`

Fish 4



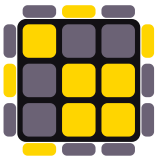
Kite

`R U R' U' R' F R2 U R' U' F'`



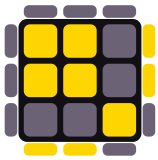
Anti-kite

`R U R' U R' F R F' R U2 R'`



Fish salad

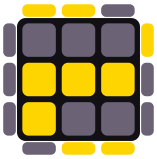
`R U2 R2 F R F' R U2 R'`



Mounted fish

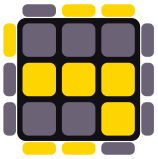
`F R' F' R U R U' R'`

Knight move 4



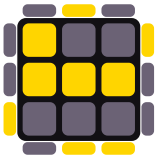
Gun

`F U R U' R2 F' R U R U' R'`



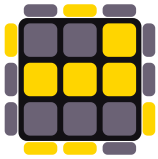
Anti-gun

`R' F R U R' F' R F U' F'`



Squeegee

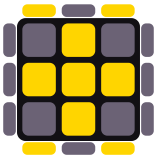
`l' U' l L' U' L U l' U l`



Anti-squeegee

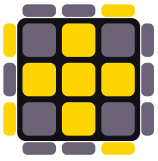
`r U r' R U R' U' r U' r'`

Cross 7



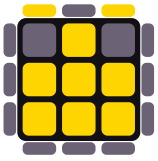
H

`R U2 R' U' R U R' U' R U' R'`



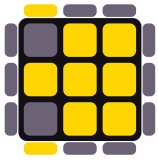
Pi

`R U2 R2 U' R2 U' R2 U2 R`



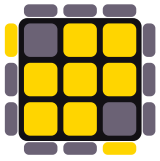
Headlights

`R2 D' R U2 R' D R U2 R`



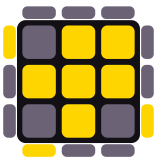
Chameleon

`r U R' U' r' F R F'`



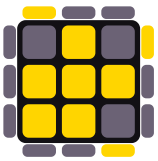
Bowtie

`F' r U R' U' r' F R`



Anti-Sune

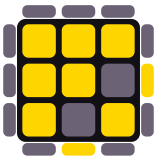
`R U2 R' U' R U' R'`



Sune

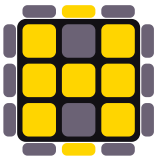
`R U R' U R U2 R'`

Corners oriented 2



Stealth

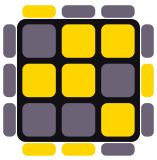
r U R' U' M U R U' R'



Mummy

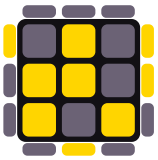
R U R' U' M' U R U' r'

Awkward 4



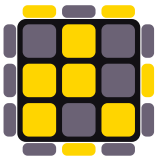
OLL 29

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



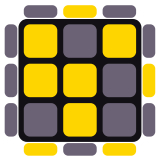
OLL 30

F R' F R2 U' R' U' R U R' F2



OLL 41

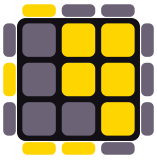
R U R' U R U2 R' F R U R' U' F'



OLL 42

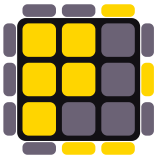
R' U' R U' R' U2 R F R U R' U' F'

P shape 4



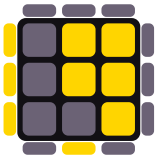
OLL 31

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



OLL 32

L U F' U' L' U L F L'



Anti-P

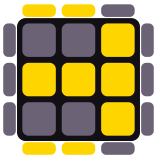
F' U' L' U L F



P

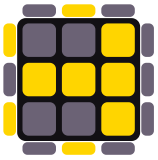
F U R U' R' F'

T shape 2



Key

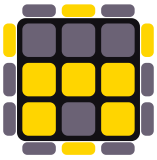
R U R' U' R' F R F'



T

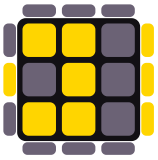
F R U R' U' F'

C shape 2



City

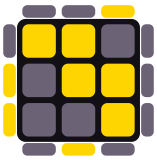
R U R2 U' R' F R U R U' F'



Seein' headlights

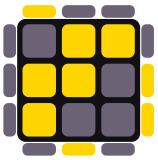
R' U' R' F R F' U R

W shape 2



Wario

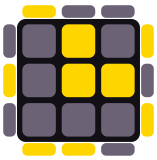
`L' U' L U' L' U L U L F' L' F`



Mario

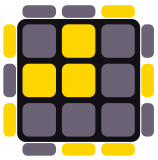
`R U R' U R U' R' U' R' F R F'`

Small L 6



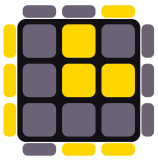
Anti-breakneck

`R' U' R' F R F' R' F R F' U R`



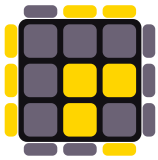
Breakneck

`F R U R' U' R U R' U' F'`



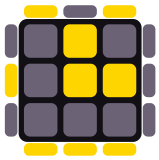
OLL 49

`r U' r2 U r2 U r2 U' r`



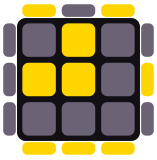
OLL 50

`r' U r2 U' r2 U' r2 U r'`



Frying pan

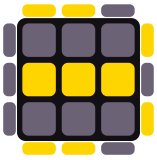
`l' U2 L U L' U' L U L' U l`



Anti-frying pan

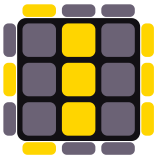
`r U2 R' U' R U R' U' R U' r'`

Line 4



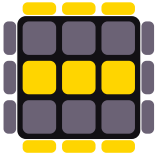
Bottlecap

`F U R U' R' U R U' R' F'`



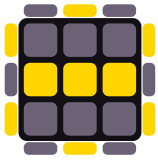
Rice cooker

`R U R' U R U' B U' B' R'`



Highway

`R' F R U R U' R2 F' R2 U' R' U R U R'`



Streetlights

`r' U' r U' R' U R U' R' U R r' U r`