# 4-Look Last Layer Speedcubing Guide 2016 v1.0 by pr0ject1le

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| R | R' | R2 | L | L' | L2 | F | F' | F2 |
| B | B' | B2 | U | U' | U2 | D | D' | D2 |
| M | M' | M2 | r/Rw | r'/Rw' | r2/Rw2 | l/Lw | l'/Lw' | l2/Lw2 | x | x' |
| f/Fw | f'/Fw' | f2/Fw2 | u/Uw | u'/Uw' | u2/Uw2 | d/Dw | d'/Dw' | d2/Dw2 | y | y' |
| b/Bw | b'/Bw' | b2/Bw2 | E | E' | E2 | S | S' | S2 | z | z' |

## 2-Look OLL Orientation of Edges
**Edge orientation (EOLL)**

| | | |
|---|---|---|
| ^ | f (R U R' U') f' | 44 |
| ^ | F (R U R' U') F' | 45 |
| ^ | F (R U R' U') F' f (R U R' U') f' | 31 |
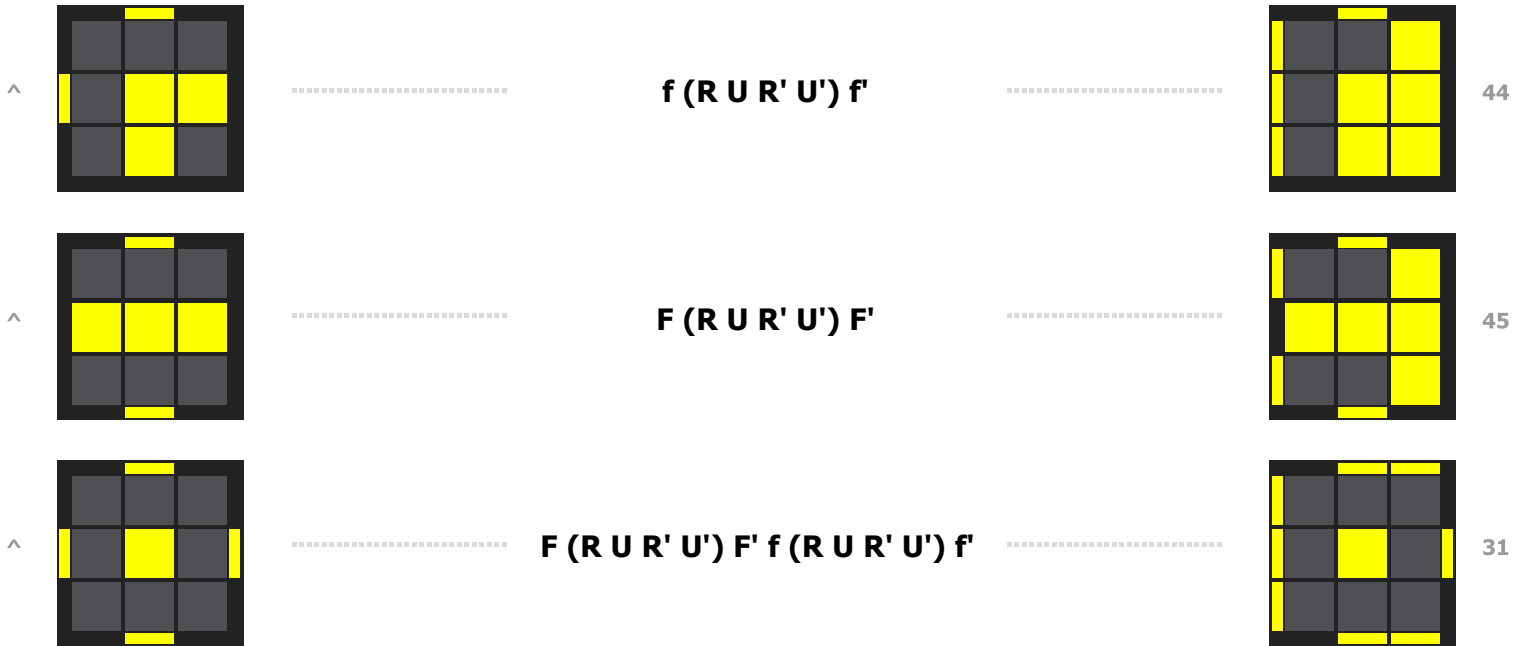
## 2-Look OLL Orientation of Corners
**Corner orientation (OCLL)**

| | | | | |
|---|---|---|---|---|
| 27 | (R U R' U) R U2 R' | R U2 R' (U' R U' R') | 26 |
| 22 | R U2 (R2 U') (R2 U') R2 U2 R | F (R U R' U')*3 F' | 21 |
| 24 | (r U R' U') r' F R F' | F' (r U R' U') r' F R | 25 |
| 23 | (R2 D R') U2 (R D' R') U2 R' | Solved | |
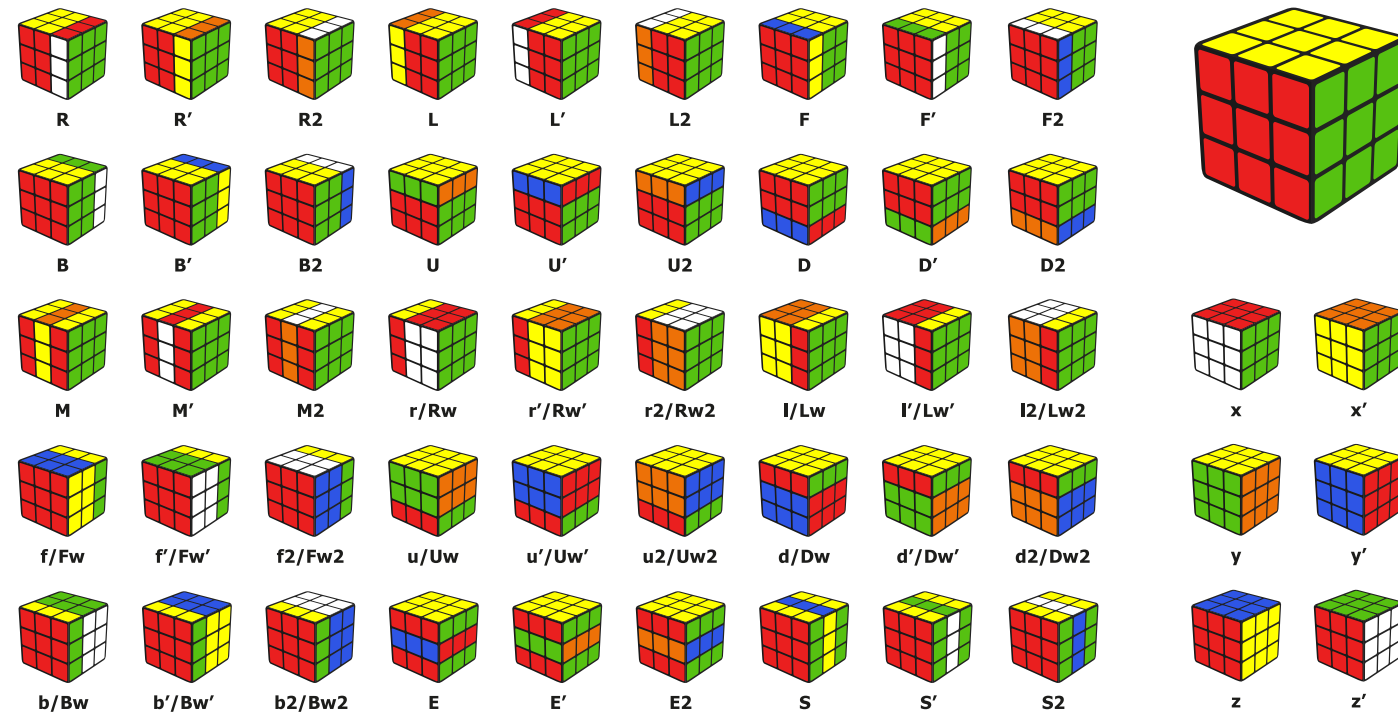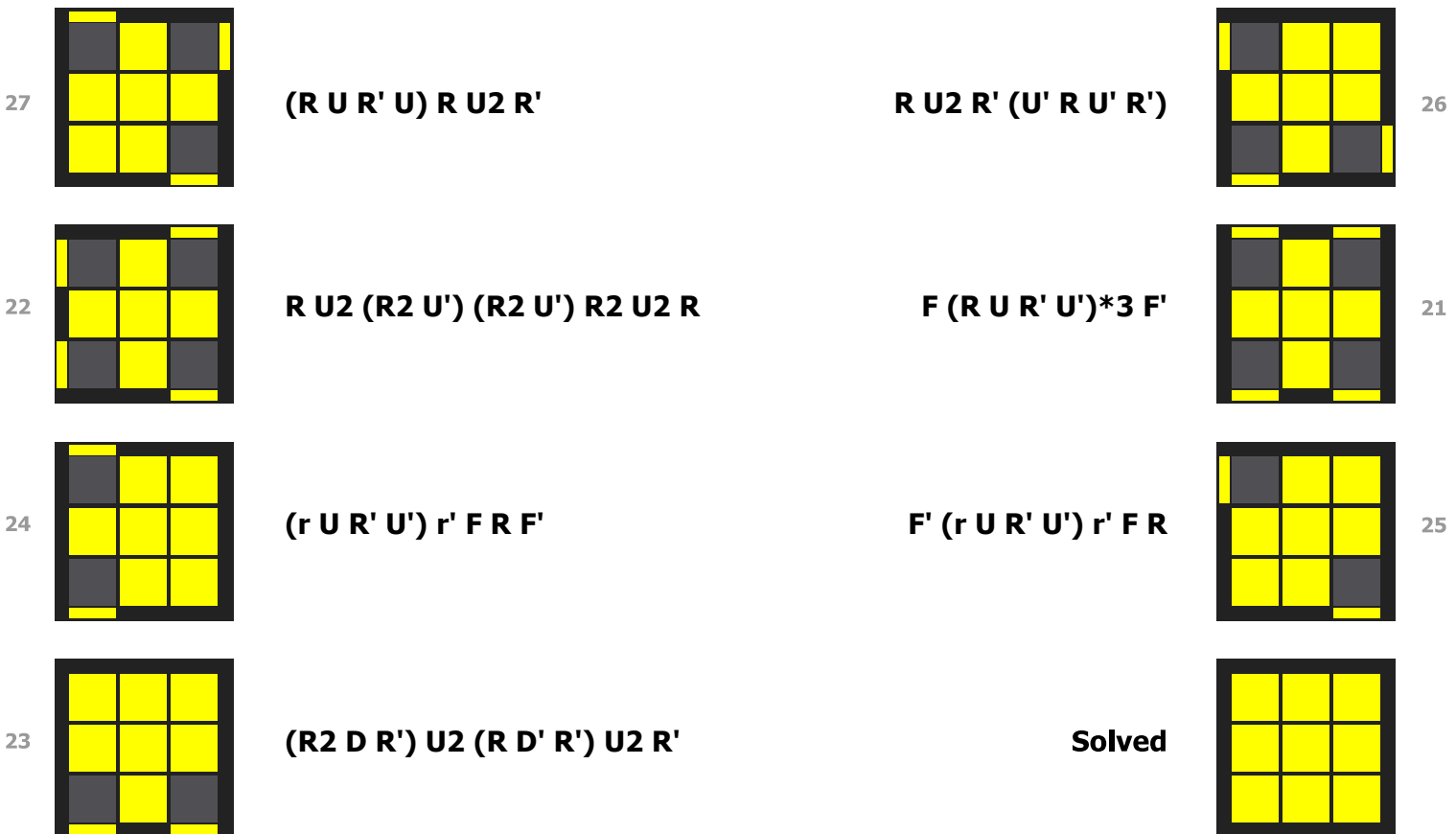
## 2-Look PLL Corner Permutation

| | | | |
|---|---|---|---|
| Aa | x (R' U R') D2 (R U' R') D2 R2 | x' (R U' R') D2 (R' U R) D2 R2 | Ab |
| 0 | Solved | x' R U' R' D R U R' D' R U R' D R U' R' D' x | E |
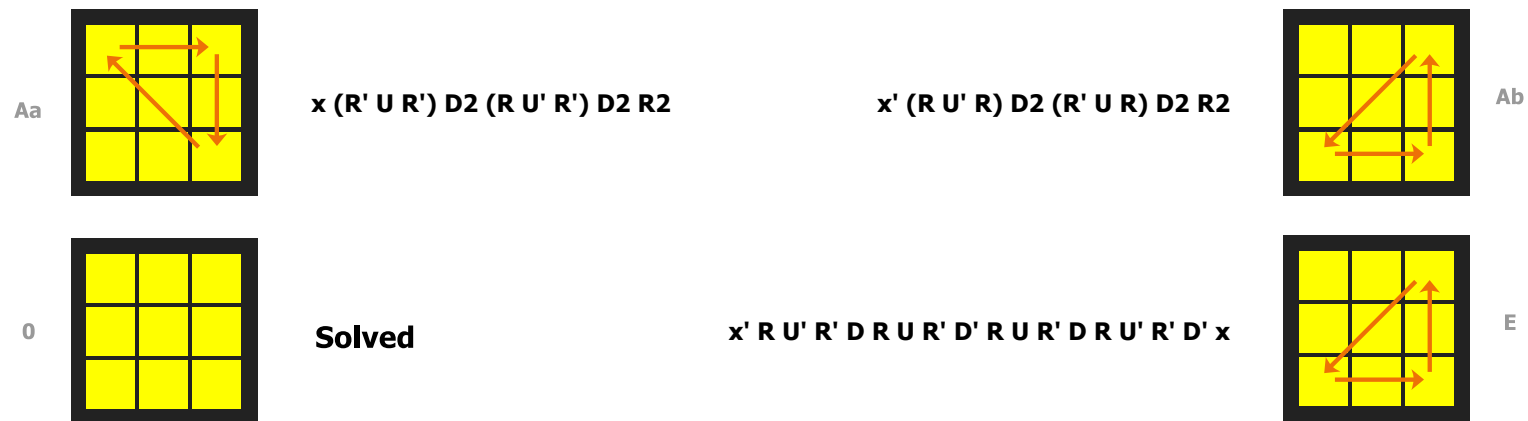
## 2-Look PLL Edge Permutation

| | | | |
|---|---|---|---|
| Ub | R2 U (R U R' U')(R' U')(R' U R') | (R U')(R U)(R U)(R U') R' U' R2 | Ua |
| H | M2 U M2 U2 M2 U M2 | M2 U M2 U M' U2 M2 U2 M' U2 | Z |