Lessons 2 & 3

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September 22, 2019

1 9/15/19

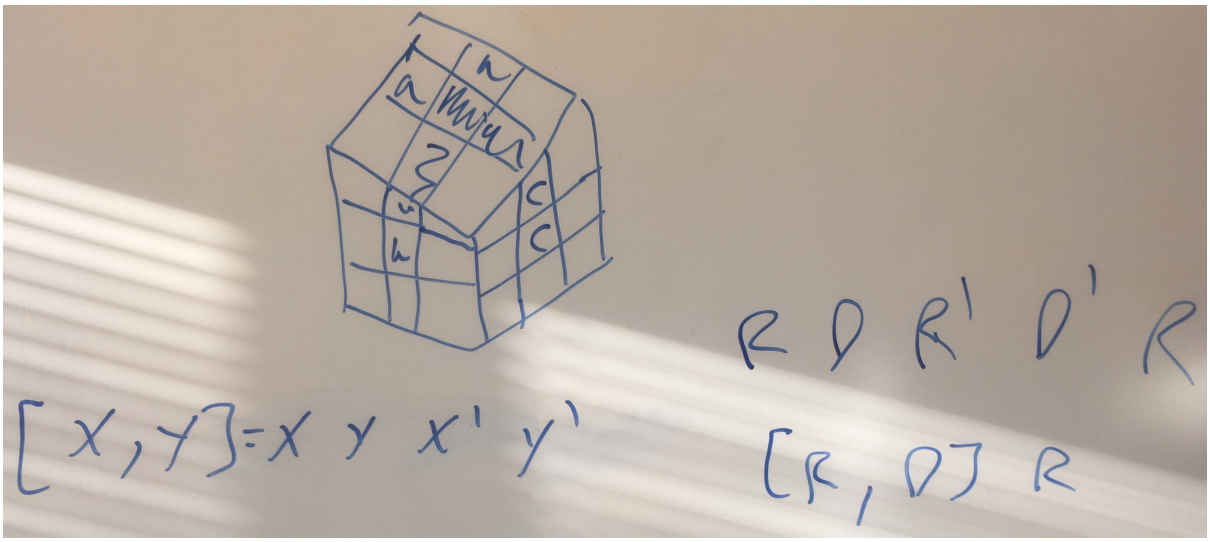

Figure 1: Explanation of cross and commutator notation.

1.1 Cross

Cross is the first step in this beginner method and involves solving the white edges into the white face (right position and right orientation).

1.2 Commutator

[X, Y] means to do X Y X' Y'.

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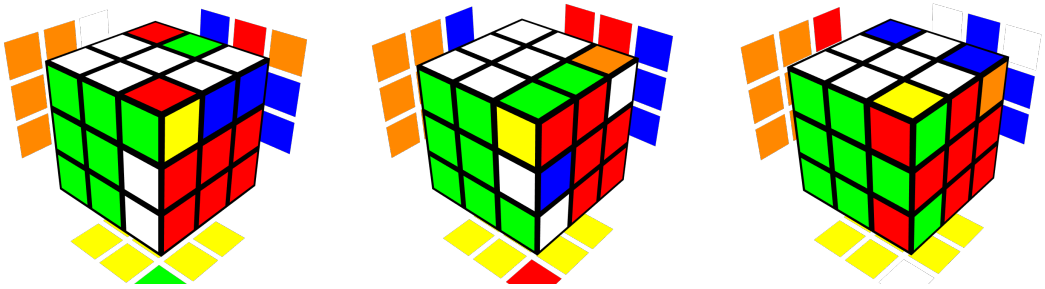
2.1 Corner Inserts

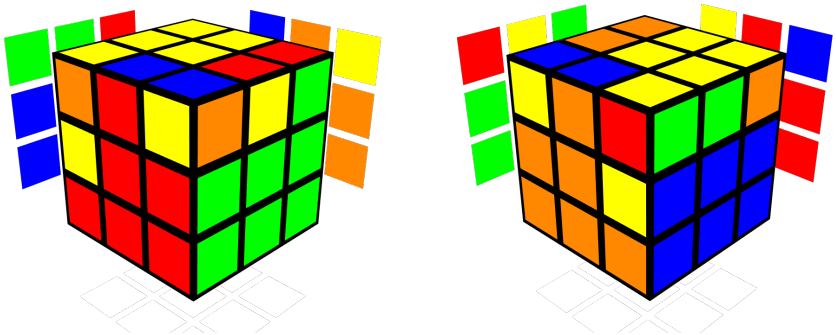


(a) Corner insert #1 (b) Corner insert #2 (c) Corner insert #3

Figure 2: Corner cases

- Case 1: [R, U] (or R U R')
- Case 2:
  - [R, U]5
  - Equivalently [U, R]
- Case 3: [R, U]3 or [U, R]3

2.2 Edge Inserts



(a) Edge insert on the left. (b) Edge insert on the right.

Figure 3: Edge cases

- Left
  - (R U)2 R (U' R')2
  - [U', L'] y' [U, R]
- Right
  - (R' U')2 R' (U R)2
  - [U, R] y [U', L']