# CFOP Speedcubing Guide 2016 v1.0 by pr0ject1le

## First 2 Layers

You must solve the cross first. It can be done in 6 moves or less ~82% of the time and ≤7 moves 99.95% of the time. These are just optimal example solves; F2L should be solved intuitively.

### Easy Cases (1-4)



U (R U' R') Use (R' F R F') if no U face edges are oriented properly on last slot



y (L' U' L) Note: this image is blue and red because a cube rotation is required

y U' (L' U L) Use (F R' F' R) if no U face edges are oriented properly on last slot



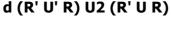
Note: this image is red and green because no cube rotation is required



## **Reposition Edge** (5-8)



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





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

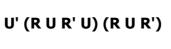




## **Reposition Edge & Flip Corner** (9-14)



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



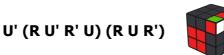


U' (R U2 R') U (F' U' F)





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





## **Split Pair by Going Over** (15-18)



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



y' (R' U2 R) U (R' U' R)

y' U' (R' U2 R U') (R' U R)

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



Pair Made on Side (19-22)



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

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



F' (L' U2 L) F



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



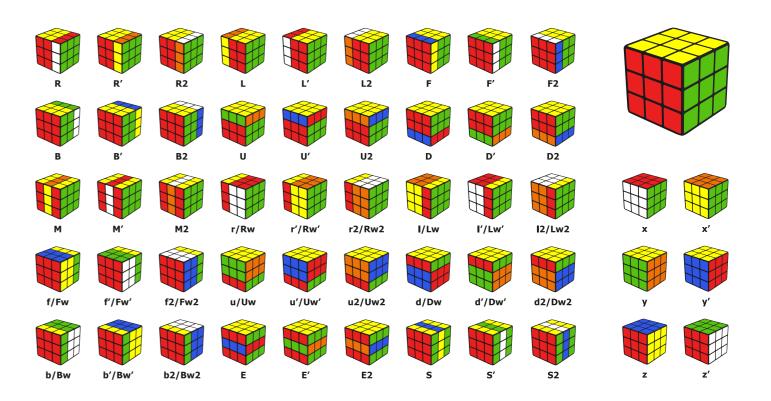
**Weird** (23-24)



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







## **Corner in Place - Edge in U Face (25-30)**



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



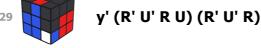




(R U' R' U) (R U' R')



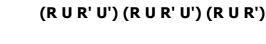




**Edge in Place - Corner in U Face (31-36)** 



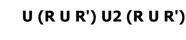
U' (R' F R F') (R U' R')







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



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





**Edge & Corner in Place** (37-41)



Solved Pair

R2 U2 F R2 F' U2 R' U R'





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

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





(R U R' U') (R U' R') U2 y' (R' U' R)



# 4-Look Last Layer ^ = more than one case number

