



F2L ALL 41 CASES

FIRST TWO LAYERS · RUBIK'S CUBE 3x3 · CFOP



PRINTABLE GUIDE TO THE VIDEO SERIES

One case per page, with the same scenes as the videos: the starting position, the cube before each move with its card, and the solved pair. White cross on the bottom · green in front · orange on the right · the pair goes into its slot at the front right.



HOW TO READ THIS GUIDE

HOLDING THE CUBE

Hold the cube with the white cross on the BOTTOM (yellow on top), the GREEN centre in front and ORANGE on the right. The pair to solve is always the white-green-orange corner and the green-orange edge; they go into their slot at the front right (FR). For the other three pairs, turn the cube until their slot is at the front right and use the same algorithm.

THE COLOURS ARE AN EXAMPLE

The drawings always use the green-orange pair at the front right, but each case works the same for all four pairs: turn the whole cube until your pair's slot is at the front right and apply the same algorithm. Green and orange are just the reference.

COLOURS

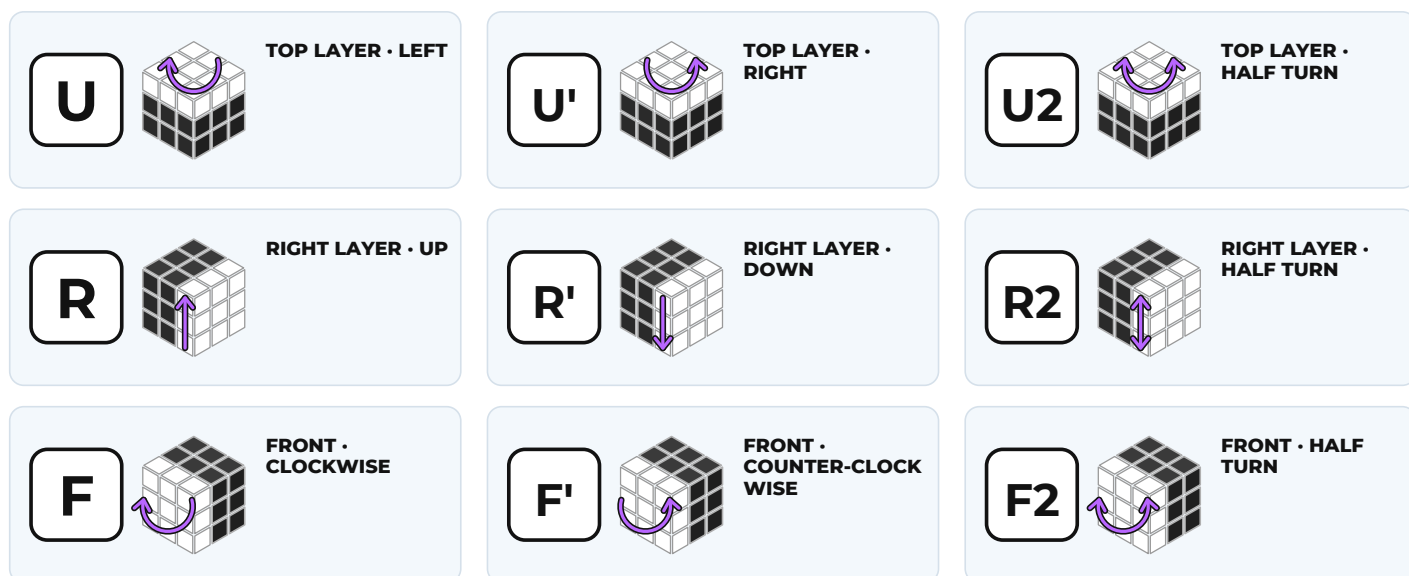


STICKER BRIGHTNESS

As in F2L diagrams: the pair is in full colour with a black outline, the first two layers (already solved) in normal colour, and the last (yellow) layer heavily faded because its position doesn't matter for the case.

NOTATION AND ARROWS

Each move is shown with its letter, a small cube with the turning layer in white, and the violet arrow showing the direction. The apostrophe (') is the opposite turn; 2 is a half turn.



EACH CASE PAGE

1. CASE: the starting position with the case description (standard number from the Speedsolving wiki / AlgDB / J Perm).
2. One box per move, in order: the cube exactly as it is BEFORE that move, the letter, the arrow and which layer turns which way.
3. SOLVED: the pair inserted. The algorithm chosen is the speedcubing one with the fewest regrips, with no cube rotations. Each case's video is in Spanish; the moves are the same.

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— (already solved)



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R U2 R U R' U R U2 R2



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



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R U R' U' R U R' U' R U R'



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

F2L CASE 1



PAIR CONNECTED • WHITE SIDWAYS

ALG

U

R

U'

R'



HOLD IT (example colours)

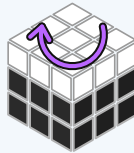
yellow on top
green: facing you
orange on the right

CASE



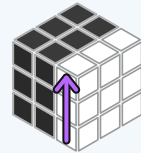
PAIR CONNECTED •
WHITE SIDWAYS

1



TOP LAYER • LEFT

2



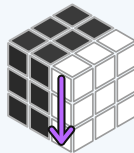
RIGHT LAYER • UP

3



TOP LAYER • RIGHT

4



RIGHT LAYER • DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 2



PAIR CONNECTED • WHITE ON THE RIGHT

ALG

U'

F'

U

F



HOLD IT (example colours)

- yellow on top
- green: facing you
- orange on the right

CASE

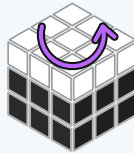


PAIR CONNECTED •
WHITE ON THE
RIGHT

1



U'

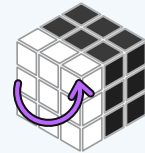


TOP LAYER • RIGHT

2



F'

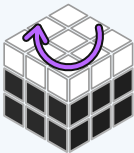


FRONT •
COUNTER-CLOCKWISE

3



U

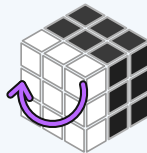


TOP LAYER • LEFT

4



F



FRONT • CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 3

PAIR SPLIT · WHITE IN FRONT

ALG

F'

U'

F



HOLD IT (example colours)

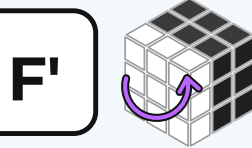
yellow on top
green: facing you
orange on the right

CASE



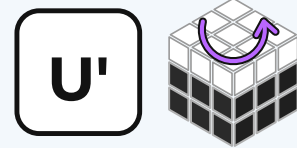
PAIR SPLIT · WHITE
IN FRONT

1



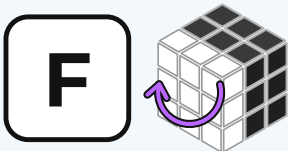
FRONT ·
COUNTER-CLOCKWISE

2



TOP LAYER · RIGHT

3



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 4

PAIR SPLIT · WHITE ON THE RIGHT

ALG

R

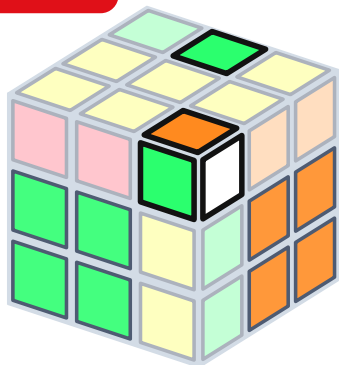
U

R'



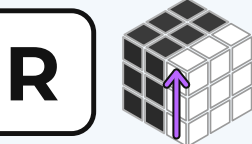
HOLD IT (example colours)
yellow on top
green: facing you
orange on the right

CASE



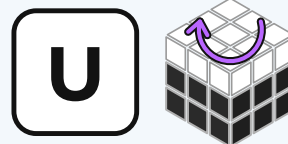
PAIR SPLIT · WHITE
ON THE RIGHT

1



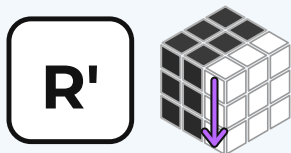
RIGHT LAYER · UP

2



TOP LAYER · LEFT

3



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 5

EDGE IN BACK · WHITE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

R

U

R'

U2

R

U'

R'

CASE



EDGE IN BACK ·
WHITE IN FRONT

1



TOP LAYER · RIGHT

2



RIGHT LAYER · UP

3



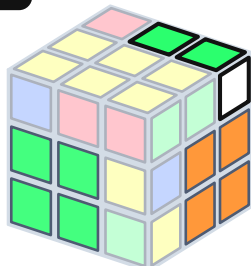
TOP LAYER · LEFT

4



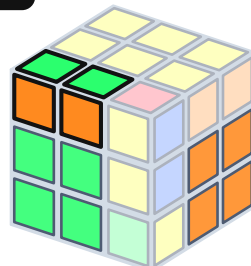
RIGHT LAYER · DOWN

5



TOP LAYER · HALF TURN

6



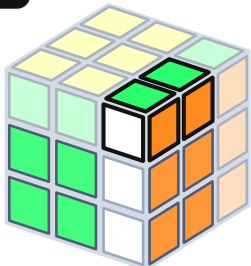
RIGHT LAYER · UP

7



TOP LAYER · RIGHT

8



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 6

EDGE ON THE LEFT · WHITE ON THE RIGHT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U

F'

U'

F

U2

F'

U

F

CASE



EDGE ON THE LEFT ·
WHITE ON THE
RIGHT

1



TOP LAYER · LEFT

2



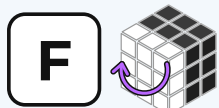
FRONT ·
COUNTER-CLOCKWISE

3



TOP LAYER · RIGHT

4



FRONT · CLOCKWISE

5



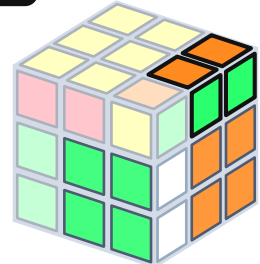
TOP LAYER · HALF TURN

6



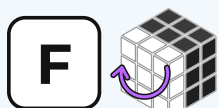
FRONT ·
COUNTER-CLOCKWISE

7



TOP LAYER · LEFT

8



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 7

EDGE ON THE LEFT · WHITE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

R

U2

R'

U2

R

U'

R'

CASE



EDGE ON THE LEFT ·
WHITE IN FRONT

1



TOP LAYER · RIGHT

2



RIGHT LAYER · UP

3



TOP LAYER · HALF TURN

4



RIGHT LAYER · DOWN

5



TOP LAYER · HALF TURN

6



RIGHT LAYER · UP

7



TOP LAYER · RIGHT

8



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 8

EDGE IN BACK · WHITE ON THE RIGHT

HOLD IT (example colours)

- yellow on top
- green: facing you
- orange on the right



ALG

U

F'

U2

F

U2

F'

U

F

CASE



EDGE IN BACK ·
WHITE ON THE
RIGHT

1



U



TOP LAYER · LEFT

2



F'



FRONT ·
COUNTER-CLOCKWISE

3



U2

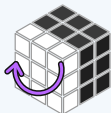


TOP LAYER · HALF TURN

4



F



FRONT · CLOCKWISE

5



U2



TOP LAYER · HALF TURN

6



F'



FRONT ·
COUNTER-CLOCKWISE

7



U

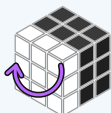


TOP LAYER · LEFT

8



F



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 9

BACK EDGE FLIPPED · WHITE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

R

U'

R'

U

F'

U'

F

CASE



BACK EDGE FLIPPED
· WHITE IN FRONT

1



TOP LAYER · RIGHT

2



RIGHT LAYER · UP

3



TOP LAYER · RIGHT

4



RIGHT LAYER · DOWN

5



TOP LAYER · LEFT

6



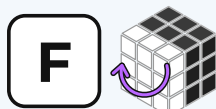
FRONT ·
COUNTER-CLOCKWISE

7



TOP LAYER · RIGHT

8



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 10

LEFT EDGE FLIPPED · WHITE ON RIGHT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

R

U

R'

U

R

U

R'

CASE



LEFT EDGE FLIPPED ·
WHITE ON RIGHT

1



TOP LAYER · RIGHT

2



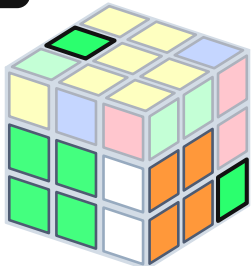
RIGHT LAYER · UP

3



TOP LAYER · LEFT

4



RIGHT LAYER · DOWN

5



TOP LAYER · LEFT

6



RIGHT LAYER · UP

7



TOP LAYER · LEFT

8



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 11



EDGE ON THE RIGHT • WHITE IN FRONT



ALG

U'

R

U2

R'

U

F'

U'

F

CASE



EDGE ON THE RIGHT
• WHITE IN FRONT

1



TOP LAYER • RIGHT

2



RIGHT LAYER • UP

3



TOP LAYER • HALF TURN

4



RIGHT LAYER • DOWN

5



TOP LAYER • LEFT

6



FRONT •
COUNTER-CLOCKWISE

7



TOP LAYER • RIGHT

8



FRONT • CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 12

EDGE IN FRONT · WHITE ON THE RIGHT


HOLD IT (example colours)
■ yellow on top
■ green: facing you
■ orange on the right

ALG

R'

U2

R2

U

R2

U

R

CASE



EDGE IN FRONT ·
WHITE ON THE
RIGHT

1



R'



RIGHT LAYER · DOWN

2



U2

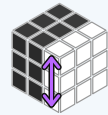


TOP LAYER · HALF TURN

3



R2



RIGHT LAYER · HALF
TURN

4



U

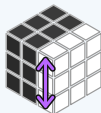


TOP LAYER · LEFT

5



R2



RIGHT LAYER · HALF
TURN

6

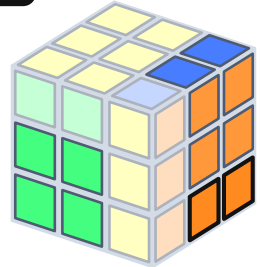


U

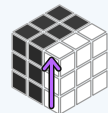


TOP LAYER · LEFT

7



R



RIGHT LAYER · UP

END



SOLVED

PAIR INSERTED

F2L CASE 13



EDGE IN FRONT • WHITE IN FRONT

HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U F' U F U' F' U' F

CASE

EDGE IN FRONT • WHITE IN FRONT

1

U
TOP LAYER • LEFT

2

F'
FRONT • COUNTER-CLOCKWISE

3

U
TOP LAYER • LEFT

4

F
FRONT • CLOCKWISE

5

U'
TOP LAYER • RIGHT

6

F'
FRONT • COUNTER-CLOCKWISE

7

U'
TOP LAYER • RIGHT

8

F
FRONT • CLOCKWISE

END

SOLVED
PAIR INSERTED

F2L CASE 14

RIGHT EDGE · WHITE ON THE RIGHT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

R

U'

R'

U

R

U

R'

CASE



RIGHT EDGE · WHITE
ON THE RIGHT

1



U'

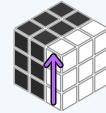


TOP LAYER · RIGHT

2



R



RIGHT LAYER · UP

3

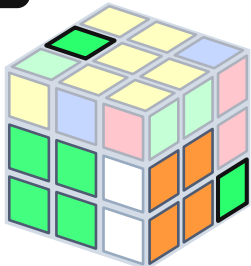


U'

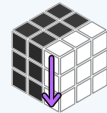


TOP LAYER · RIGHT

4



R'



RIGHT LAYER · DOWN

5



U

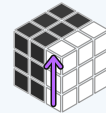


TOP LAYER · LEFT

6

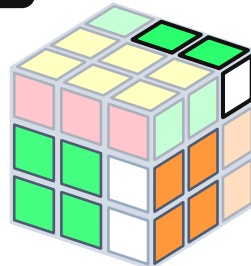


R



RIGHT LAYER · UP

7



U

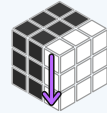


TOP LAYER · LEFT

8



R'



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 15

FRONT EDGE FLIPPED · WHITE IN FRONT

ALG

F'

U

F

U2

R

U

R'



HOLD IT (example colours)

yellow on top
 green: facing you
 orange on the right

CASE



FRONT EDGE
FLIPPED · WHITE IN
FRONT

1



FRONT ·
COUNTER-CLOCKWISE

2



TOP LAYER · LEFT

3



FRONT · CLOCKWISE

4



TOP LAYER · HALF TURN

5



RIGHT LAYER · UP

6



TOP LAYER · LEFT

7



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 16

RIGHT EDGE FLIPPED · WHITE ON RIGHT

ALG

R

U'

R'

U2

F'

U'

F



HOLD IT (example colours)

yellow on top
 green: facing you
 orange on the right

CASE



**RIGHT EDGE
FLIPPED · WHITE ON
RIGHT**

1



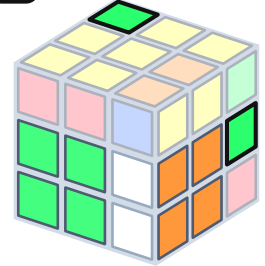
RIGHT LAYER · UP

2



TOP LAYER · RIGHT

3



RIGHT LAYER · DOWN

4



TOP LAYER · HALF TURN

5



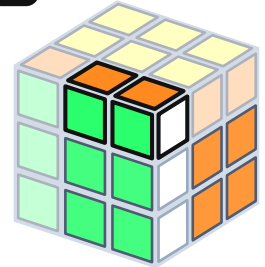
**FRONT ·
COUNTER-CLOCKWISE**

6



TOP LAYER · RIGHT

7



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 17

WHITE ON TOP · EDGE ON THE RIGHT

ALG

R

U2

R'

U'

R

U

R'



HOLD IT (example colours)

yellow on top

green: facing you

orange on the right

CASE

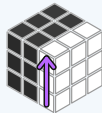


WHITE ON TOP ·
EDGE ON THE RIGHT

1



R



RIGHT LAYER · UP

2



U2

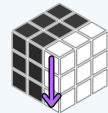


TOP LAYER · HALF TURN

3

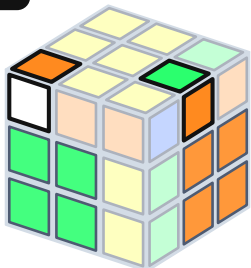


R'



RIGHT LAYER · DOWN

4



U'

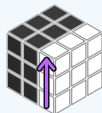


TOP LAYER · RIGHT

5



R



RIGHT LAYER · UP

6



U

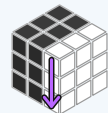


TOP LAYER · LEFT

7



R'



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 18

WHITE ON TOP · EDGE IN FRONT

ALG

F'

U2

F

U

F'

U'

F



HOLD IT (example colours)

yellow on top

green: facing you

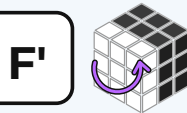
orange on the right

CASE



WHITE ON TOP ·
EDGE IN FRONT

1



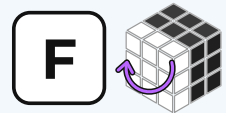
FRONT ·
COUNTER-CLOCKWISE

2



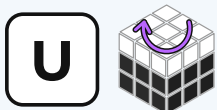
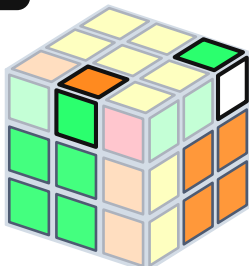
TOP LAYER · HALF TURN

3



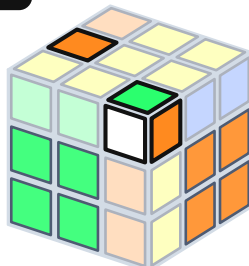
FRONT · CLOCKWISE

4



TOP LAYER · LEFT

5



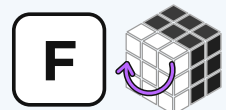
FRONT ·
COUNTER-CLOCKWISE

6



TOP LAYER · RIGHT

7



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 19



WHITE ON TOP · EDGE IN BACK



HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U

R

U2

R'

U

R

U'

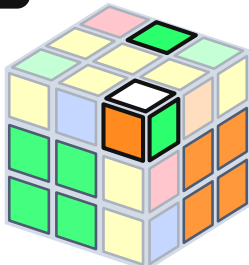
R'

CASE



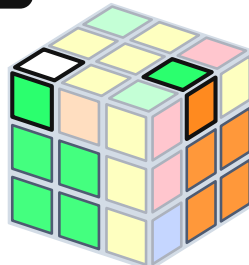
WHITE ON TOP ·
EDGE IN BACK

1



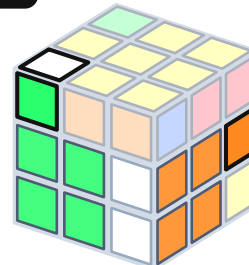
TOP LAYER · LEFT

2



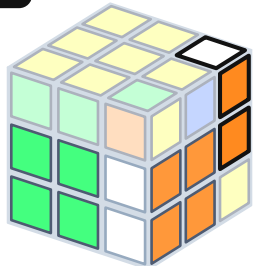
RIGHT LAYER · UP

3



TOP LAYER · HALF TURN

4



RIGHT LAYER · DOWN

5



TOP LAYER · LEFT

6



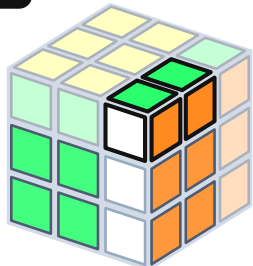
RIGHT LAYER · UP

7



TOP LAYER · RIGHT

8



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 20

WHITE ON TOP · EDGE ON THE LEFT



ALG

U'

F'

U2

F

U'

F'

U

F

CASE



WHITE ON TOP ·
EDGE ON THE LEFT

1



U'



TOP LAYER · RIGHT

2



F'



FRONT ·
COUNTER-CLOCKWISE

3



U2

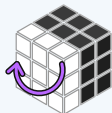


TOP LAYER · HALF TURN

4



F



FRONT · CLOCKWISE

5



U'



TOP LAYER · RIGHT

6

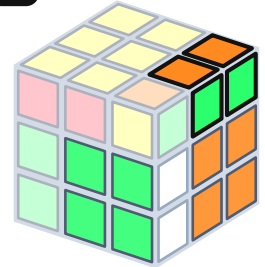


F'



FRONT ·
COUNTER-CLOCKWISE

7



U

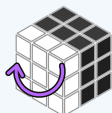


TOP LAYER · LEFT

8



F



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 21



WHITE ON TOP · LEFT EDGE FLIPPED

ALG

R

U'

R'

U2

R

U

R'



HOLD IT (example colours)

yellow on top
 green: facing you
 orange on the right

CASE

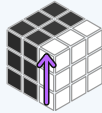


WHITE ON TOP ·
LEFT EDGE FLIPPED

1



R



RIGHT LAYER · UP

2



U'



TOP LAYER · RIGHT

3



R'



RIGHT LAYER · DOWN

4



U2

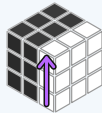


TOP LAYER · HALF TURN

5



R



RIGHT LAYER · UP

6

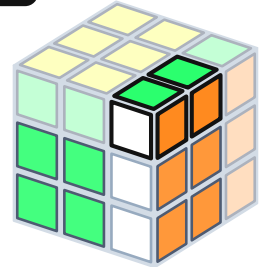


U



TOP LAYER · LEFT

7



R'



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 22

WHITE ON TOP · BACK EDGE FLIPPED

ALG

F'

U

F

U2

F'

U'

F



HOLD IT (example colours)

yellow on top
 green: facing you
 orange on the right

CASE



WHITE ON TOP ·
BACK EDGE FLIPPED

1



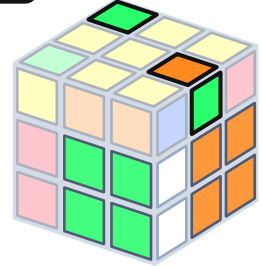
FRONT ·
COUNTER-CLOCKWISE

2



TOP LAYER · LEFT

3



FRONT · CLOCKWISE

4



TOP LAYER · HALF TURN

5



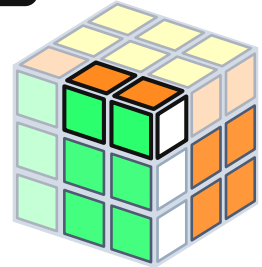
FRONT ·
COUNTER-CLOCKWISE

6



TOP LAYER · RIGHT

7



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 23

WHITE ON TOP · CONNECTED IN FRONT


HOLD IT (example colours)
■ yellow on top
■ green: facing you
■ orange on the right

ALG

U2

R2

U2

R'

U'

R

U'

R2

CASE



WHITE ON TOP ·
CONNECTED IN
FRONT

1



U2

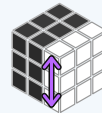


TOP LAYER · HALF TURN

2



R2



RIGHT LAYER · HALF
TURN

3



U2



TOP LAYER · HALF TURN

4



R'



RIGHT LAYER · DOWN

5



U'

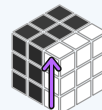


TOP LAYER · RIGHT

6

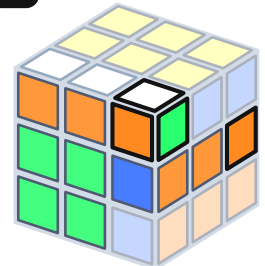


R



RIGHT LAYER · UP

7



U'

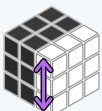


TOP LAYER · RIGHT

8



R2



RIGHT LAYER · HALF
TURN

END



SOLVED

PAIR INSERTED

F2L CASE 24

WHITE ON TOP · CONNECTED ON RIGHT



ALG

U2

F2

U2

F

U

F'

U

F2

CASE



WHITE ON TOP ·
CONNECTED ON
RIGHT

1



U2

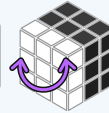


TOP LAYER · HALF TURN

2



F2



FRONT · HALF TURN

3



U2



TOP LAYER · HALF TURN

4



FRONT · CLOCKWISE

5



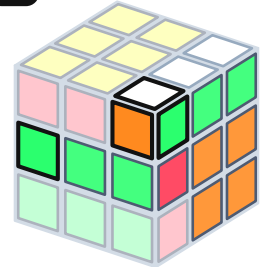
TOP LAYER · LEFT

6



FRONT ·
COUNTER-CLOCKWISE

7



TOP LAYER · LEFT

8



FRONT · HALF TURN

END



SOLVED

PAIR INSERTED

F2L CASE 25

CORNER SOLVED · EDGE ON THE RIGHT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

F'

U

F

U

R

U'

R'

CASE



CORNER SOLVED ·
EDGE ON THE RIGHT

1



TOP LAYER · RIGHT

2



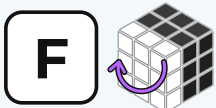
FRONT ·
COUNTER-CLOCKWISE

3



TOP LAYER · LEFT

4



FRONT · CLOCKWISE

5



TOP LAYER · LEFT

6



RIGHT LAYER · UP

7



TOP LAYER · RIGHT

8



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 26

CORNER SOLVED · EDGE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U

R

U'

R'

U'

F'

U

F

CASE



CORNER SOLVED ·
EDGE IN FRONT

1



TOP LAYER · LEFT

2



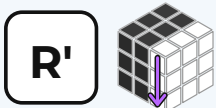
RIGHT LAYER · UP

3



TOP LAYER · RIGHT

4



RIGHT LAYER · DOWN

5



TOP LAYER · RIGHT

6



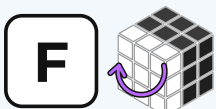
FRONT ·
COUNTER-CLOCKWISE

7



TOP LAYER · LEFT

8



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 27

WHITE IN FRONT · EDGE ON THE RIGHT

ALG

R

U'

R'

U

R

U'

R'



HOLD IT (example colours)

yellow on top

green: facing you

orange on the right

CASE

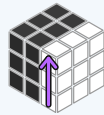


WHITE IN FRONT ·
EDGE ON THE RIGHT

1

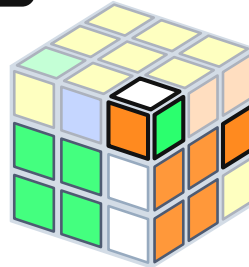


R



RIGHT LAYER · UP

2



U'



TOP LAYER · RIGHT

3

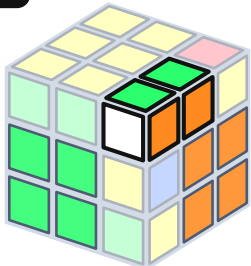


R'



RIGHT LAYER · DOWN

4



U

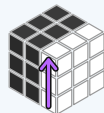


TOP LAYER · LEFT

5



R



RIGHT LAYER · UP

6

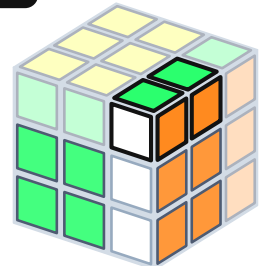


U'



TOP LAYER · RIGHT

7



R'



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 28

WHITE ON THE RIGHT · EDGE IN FRONT

ALG

F'

U

F

U'

F'

U

F



HOLD IT (example colours)

yellow on top
 green: facing you
 orange on the right

CASE



WHITE ON THE
RIGHT · EDGE IN
FRONT

1



FRONT ·
COUNTER-CLOCKWISE

2



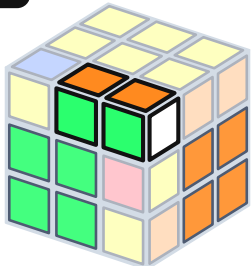
TOP LAYER · LEFT

3



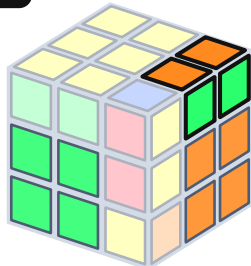
FRONT · CLOCKWISE

4



TOP LAYER · RIGHT

5



FRONT ·
COUNTER-CLOCKWISE

6



TOP LAYER · LEFT

7



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 29



WHITE IN FRONT • EDGE IN FRONT

ALG

F'

U'

F

U

F'

U'

F



HOLD IT (example colours)

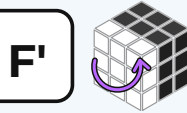
yellow on top
green: facing you
orange on the right

CASE



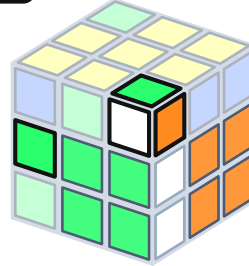
WHITE IN FRONT •
EDGE IN FRONT

1



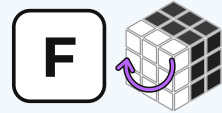
FRONT •
COUNTER-CLOCKWISE

2



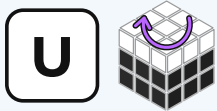
TOP LAYER • RIGHT

3



FRONT • CLOCKWISE

4



TOP LAYER • LEFT

5



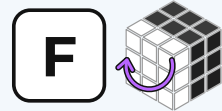
FRONT •
COUNTER-CLOCKWISE

6



TOP LAYER • RIGHT

7



FRONT • CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 30

WHITE ON RIGHT · EDGE ON THE RIGHT

ALG

R

U

R'

U'

R

U

R'



HOLD IT (example colours)

yellow on top
 green: facing you
 orange on the right

CASE



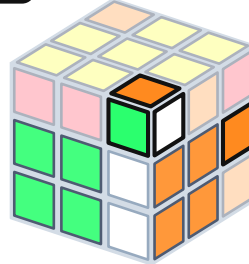
WHITE ON RIGHT ·
EDGE ON THE RIGHT

1



RIGHT LAYER · UP

2



TOP LAYER · LEFT

3



RIGHT LAYER · DOWN

4



TOP LAYER · RIGHT

5



RIGHT LAYER · UP

6



TOP LAYER · LEFT

7



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 31

EDGE FLIPPED · WHITE ON TOP

ALG

R

U'

R'

U

F'

U

F



HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

CASE



EDGE FLIPPED ·
WHITE ON TOP

1



RIGHT LAYER · UP

2



TOP LAYER · RIGHT

3



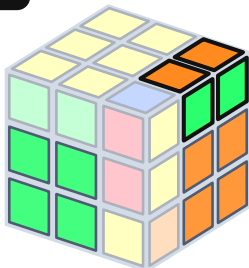
RIGHT LAYER · DOWN

4



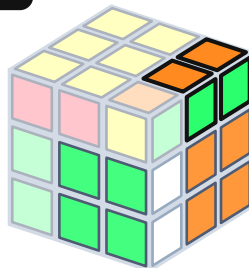
TOP LAYER · LEFT

5



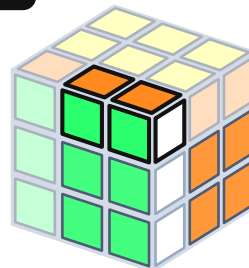
FRONT ·
COUNTER-CLOCKWISE

6



TOP LAYER · LEFT

7



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 32

EDGE SOLVED · WHITE ON TOP


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

R

U

R'

U'

R

U

R'

U'

R

U

R'

CASE



EDGE SOLVED ·
WHITE ON TOP

1



R

RIGHT LAYER · UP

2



U

TOP LAYER · LEFT

3



R'

RIGHT LAYER · DOWN

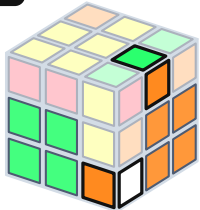
4



U'

TOP LAYER · RIGHT

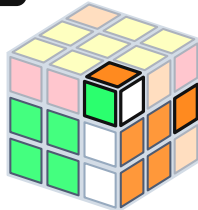
5



R

RIGHT LAYER · UP

6



U

TOP LAYER · LEFT

7



R'

RIGHT LAYER · DOWN

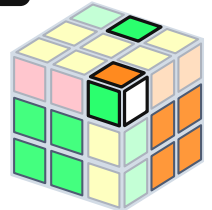
8



U'

TOP LAYER · RIGHT

9



R

RIGHT LAYER · UP

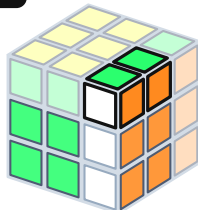
10



U

TOP LAYER · LEFT

11



R'

RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 33

EDGE SOLVED · WHITE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

U'

R

U'

R'

U2

R

U'

R'

CASE



EDGE SOLVED ·
WHITE IN FRONT

1



U'

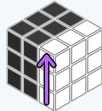


TOP LAYER · RIGHT

2



R



RIGHT LAYER · UP

3



U'



TOP LAYER · RIGHT

4



R'



RIGHT LAYER · DOWN

5



U2

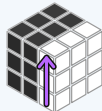


TOP LAYER · HALF TURN

6



R



RIGHT LAYER · UP

7



U'



TOP LAYER · RIGHT

8



R'



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 34

EDGE SOLVED · WHITE ON THE RIGHT



ALG

U'

R

U2

R'

U

R

U

R'

CASE



EDGE SOLVED ·
WHITE ON THE
RIGHT

1



U'

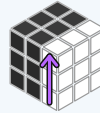


TOP LAYER · RIGHT

2

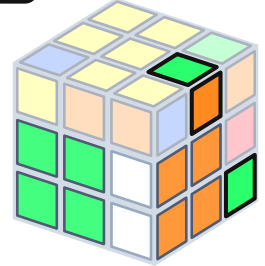


R



RIGHT LAYER · UP

3



U2



TOP LAYER · HALF TURN

4



R'



RIGHT LAYER · DOWN

5

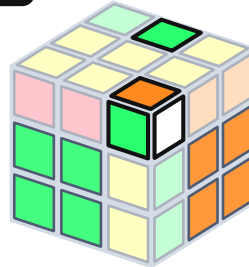


U

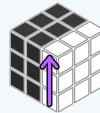


TOP LAYER · LEFT

6



R



RIGHT LAYER · UP

7



U



TOP LAYER · LEFT

8



R'



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 35

EDGE FLIPPED · WHITE IN FRONT

HOLD IT (example colours)

- yellow on top
- green: facing you
- orange on the right

ALG

U'

R

U

R'

U

F'

U'

F

CASE



EDGE FLIPPED ·
WHITE IN FRONT

1



TOP LAYER · RIGHT

2



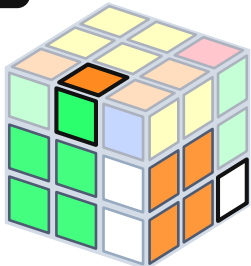
RIGHT LAYER · UP

3



TOP LAYER · LEFT

4



RIGHT LAYER · DOWN

5



TOP LAYER · LEFT

6



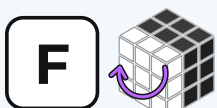
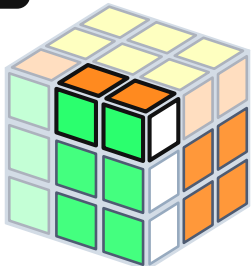
FRONT ·
COUNTER-CLOCKWISE

7



TOP LAYER · RIGHT

8



FRONT · CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 36

EDGE FLIPPED · WHITE ON THE RIGHT



ALG

U

F'

U'

F

U'

R

U

R'

CASE



EDGE FLIPPED ·
WHITE ON THE
RIGHT

1



TOP LAYER · LEFT

2



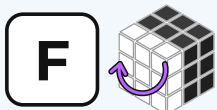
FRONT ·
COUNTER-CLOCKWISE

3



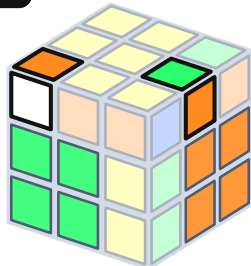
TOP LAYER · RIGHT

4



FRONT · CLOCKWISE

5



TOP LAYER · RIGHT

6



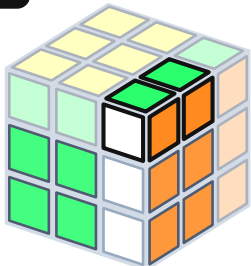
RIGHT LAYER · UP

7



TOP LAYER · LEFT

8



RIGHT LAYER · DOWN

END



SOLVED

PAIR INSERTED

F2L CASE 37



ALREADY SOLVED • NOTHING TO DO



ALG — no moves • the pair is already in its slot

CASE



**ALREADY SOLVED •
NOTHING TO DO**

F2L CASE 38



CORNER SOLVED • EDGE FLIPPED


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG

R

U'

R'

U

F'

U2

F

U2

F'

U

F

CASE



CORNER SOLVED •
EDGE FLIPPED

1



R

RIGHT LAYER • UP

2



U'

TOP LAYER • RIGHT

3



R'

RIGHT LAYER • DOWN

4



U

TOP LAYER • LEFT

5



F'

FRONT •
COUNTER-CLOCKWISE

6



U2

TOP LAYER • HALF TURN

7



F

FRONT • CLOCKWISE

8



U2

TOP LAYER • HALF TURN

9



F'

FRONT •
COUNTER-CLOCKWISE

10



U

TOP LAYER • LEFT

11



F

FRONT • CLOCKWISE

END



SOLVED

PAIR INSERTED

F2L CASE 39



EDGE SOLVED · WHITE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

ALG **R** **U'** **R'** **U'** **R** **U** **R'** **U2** **R** **U'** **R'**

CASE

EDGE SOLVED · WHITE IN FRONT

1

R 
RIGHT LAYER · UP

2

U' 
TOP LAYER · RIGHT

3

R' 
RIGHT LAYER · DOWN

4

U' 
TOP LAYER · RIGHT

5

R 
RIGHT LAYER · UP

6

U 
TOP LAYER · LEFT

7

R' 
RIGHT LAYER · DOWN

8

U2 
TOP LAYER · HALF TURN

9

R 
RIGHT LAYER · UP

10

U' 
TOP LAYER · RIGHT

11

R' 
RIGHT LAYER · DOWN

END

SOLVED
 PAIR INSERTED

F2L CASE 40

EDGE SOLVED · WHITE ON THE RIGHT

HOLD IT (example colours)

- yellow on top
- green: facing you
- orange on the right

ALG

R

U2

R

U

R'

U

R

U2

R2

CASE



EDGE SOLVED ·
WHITE ON THE
RIGHT

1



R



RIGHT LAYER · UP

2



U2

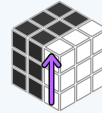


TOP LAYER · HALF TURN

3



R



RIGHT LAYER · UP

4



U



TOP LAYER · LEFT

5



R'



RIGHT LAYER · DOWN

6



U

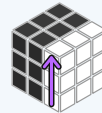


TOP LAYER · LEFT

7



R



RIGHT LAYER · UP

8



U2

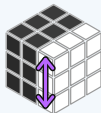


TOP LAYER · HALF TURN

9



R2



RIGHT LAYER · HALF
TURN

END



SOLVED

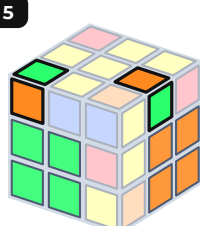
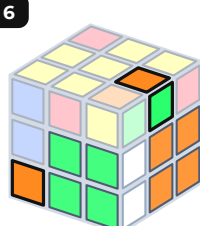
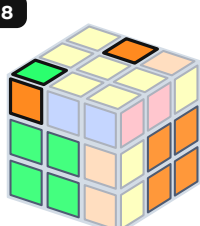
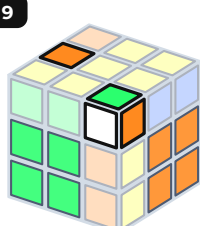
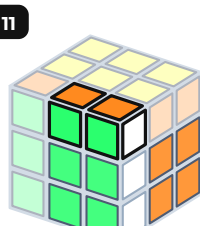
PAIR INSERTED

F2L CASE 41

BOTH WRONG · WHITE IN FRONT


HOLD IT (example colours)
 yellow on top
 green: facing you
 orange on the right

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

CASE  BOTH WRONG · WHITE IN FRONT	1  R  RIGHT LAYER · UP	2  U'  TOP LAYER · RIGHT	3  R'  RIGHT LAYER · DOWN	4  U  TOP LAYER · LEFT
5  F'  FRONT · COUNTER-CLOCKWISE	6  U'  TOP LAYER · RIGHT	7  F  FRONT · CLOCKWISE	8  U'  TOP LAYER · RIGHT	9  F'  FRONT · COUNTER-CLOCKWISE
10  U'  TOP LAYER · RIGHT	11  F  FRONT · CLOCKWISE	END  SOLVED PAIR INSERTED		