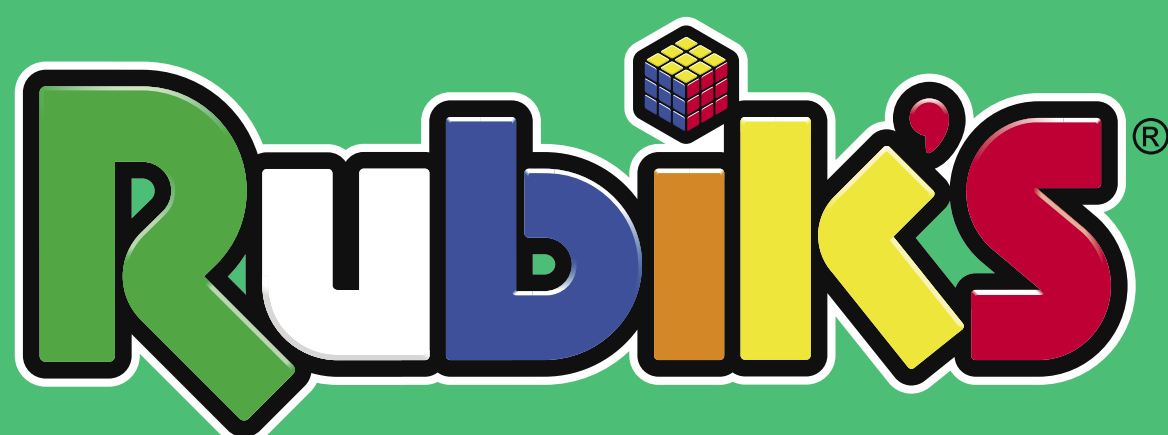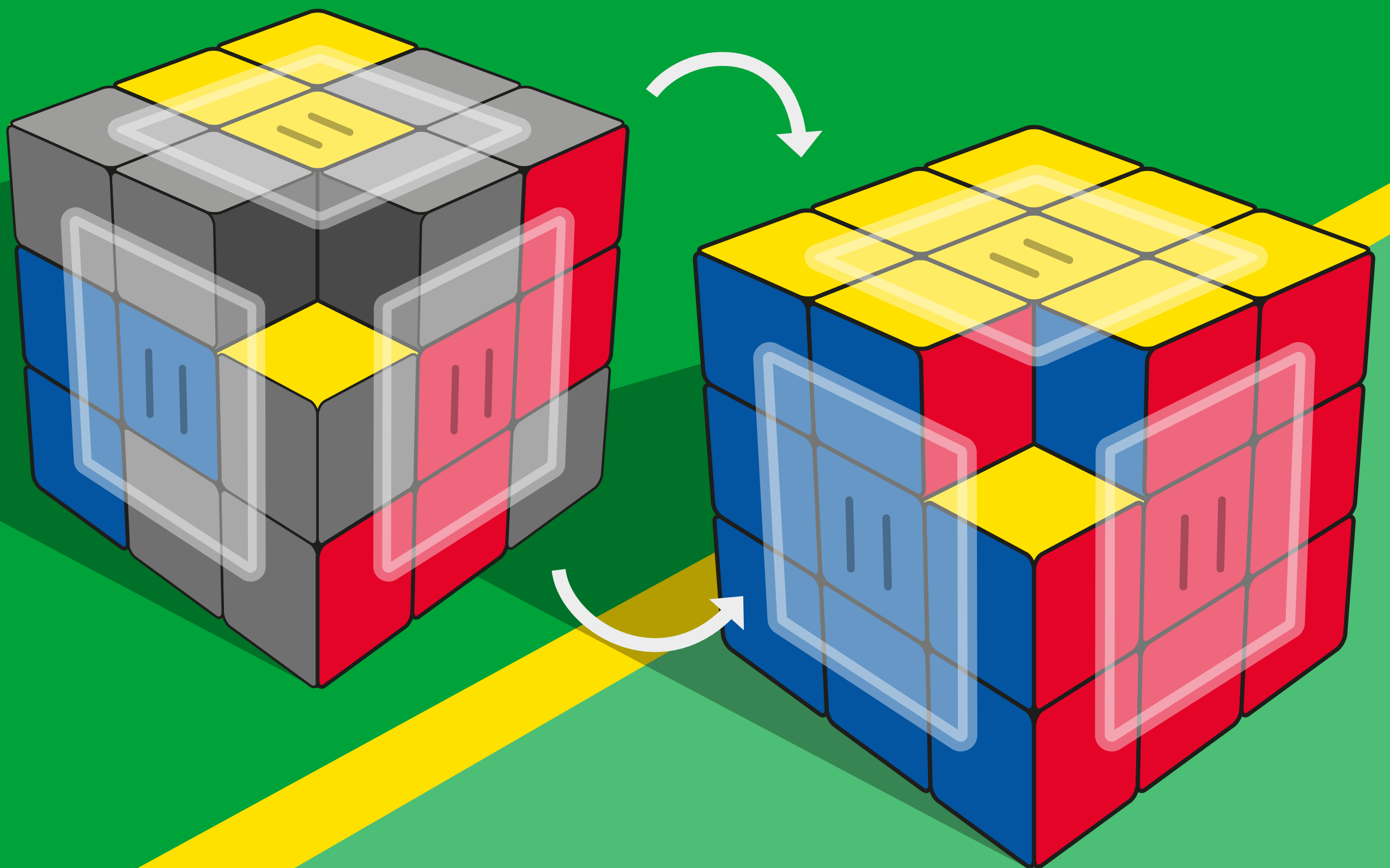# YOU CAN DO THE RUBIK'S SLIDE

Solution Guide

Rubik's®

HOW TO USE THIS GUIDE

■ You will be learning the layered method to solve the Rubik's® Slide, similar to the layered method used to solve the Rubik's Cube.

■ Throughout the guide you will see this symbol to indicate helpful tips. Take the time to read the tips closely.

■ The gray areas on the Rubik's Slide mean that at the stage you are working on, the color of the gray pieces doesn't matter.
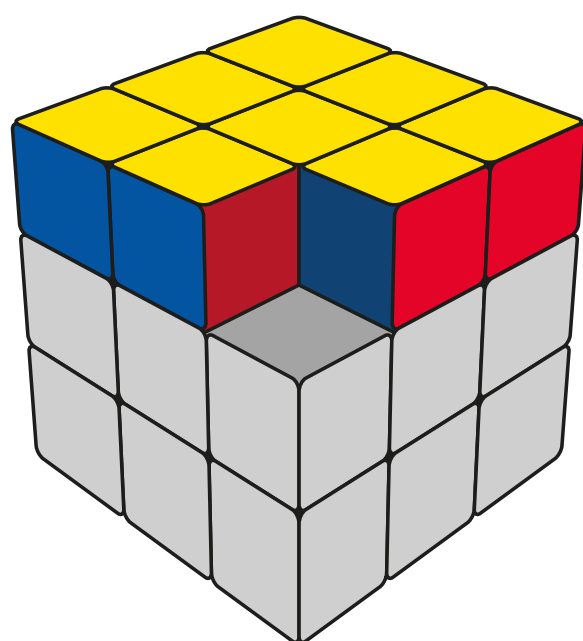
TIPS FOR SUCCESS

- Mindset is critical - learning to solve the Rubik's Slide is a challenge but if you persevere, you WILL solve the Rubik's Slide.

- Think of the algorithms as moving a piece out of the way, setting up its correct position, and then moving the piece into that place.

- Master one layer by re-scrambling your Rubik's Slide and practicing multiple times before moving on to the next layer.

- Place a small sticky note on the piece of the Rubik's Slide you are moving so you can follow its path.
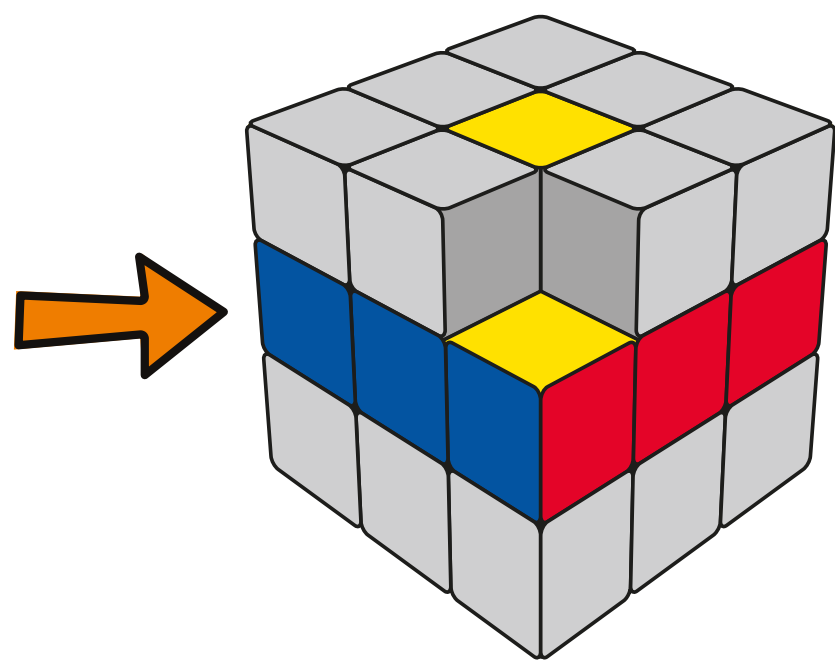
GET TO KNOW YOUR RUBIK'S SLIDE

LAYERS

There are three horizontal layers in the Rubik's Slide, just like the 3x3 Rubik's Cube.
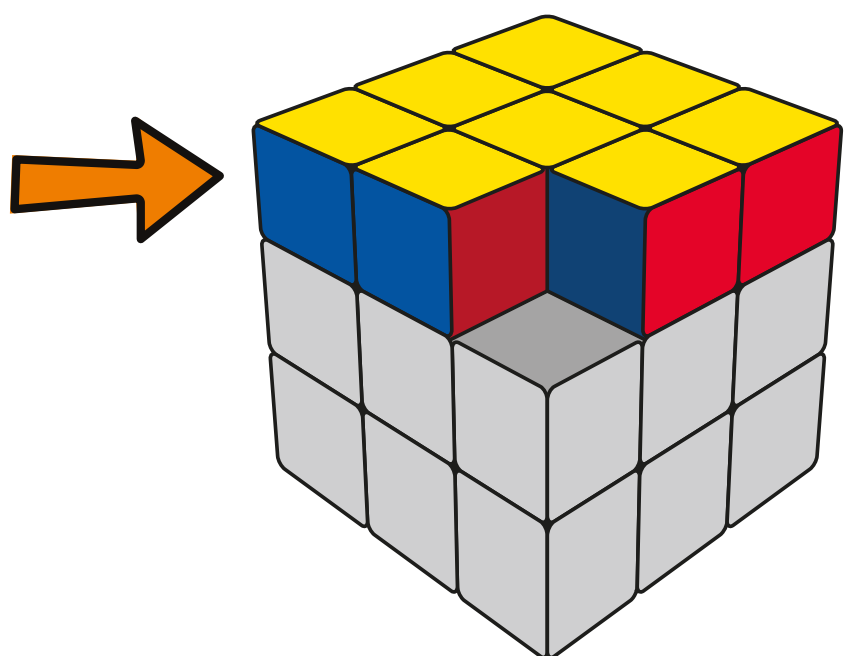
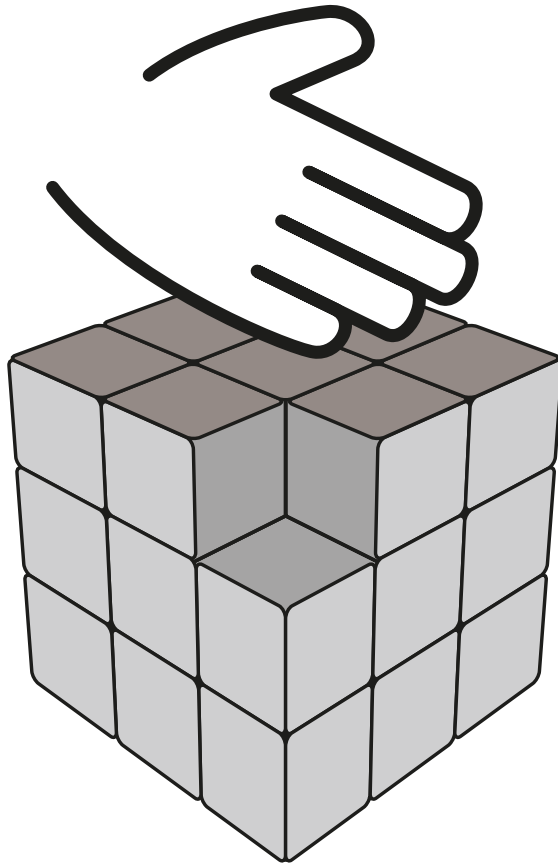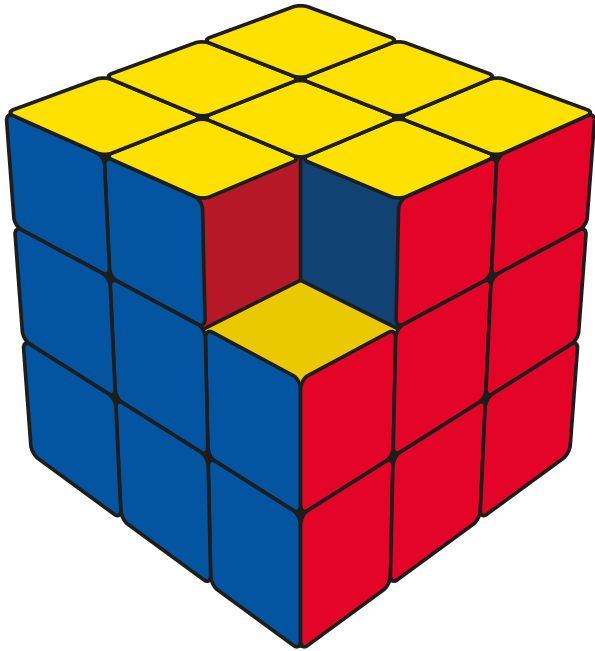Using this guide, you will solve the Rubik's Slide layer by layer.
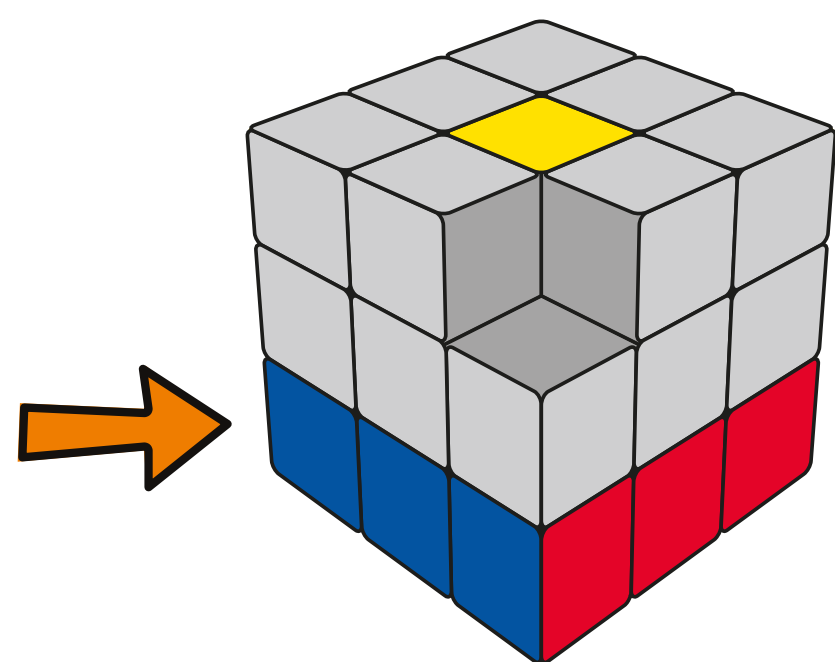
BOTTOM LAYER

MIDDLE LAYER

TOP LAYER

FACES

Each flat surface is a face. There are 6 faces on a Rubik's Slide.
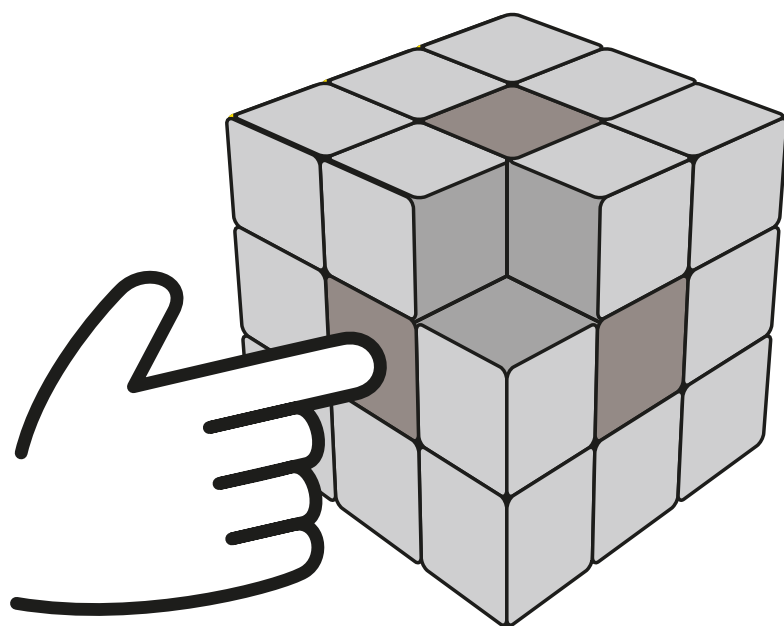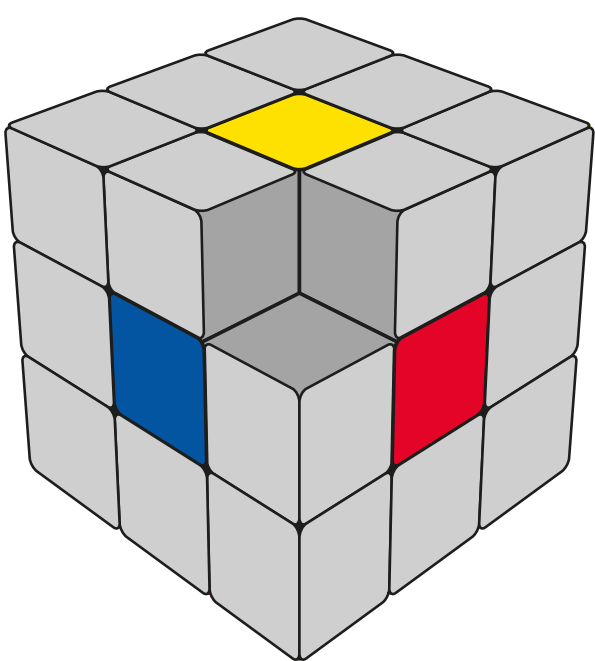
You can place your palm flat on a FACE.

CENTERS

Center pieces have one colored tile.
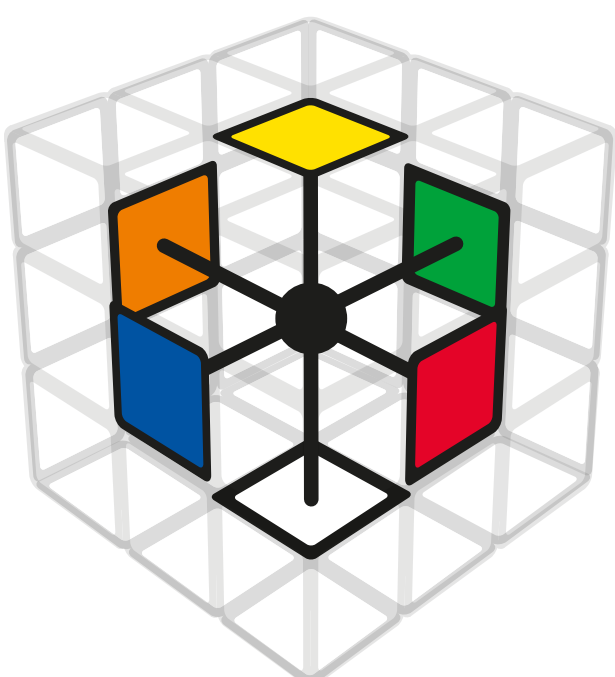
There are 6 center pieces.

Center pieces are single tiles, fixed to the internal core.

When correctly solved, each face will be the color of its center piece.

You use one finger to touch a CENTER piece.

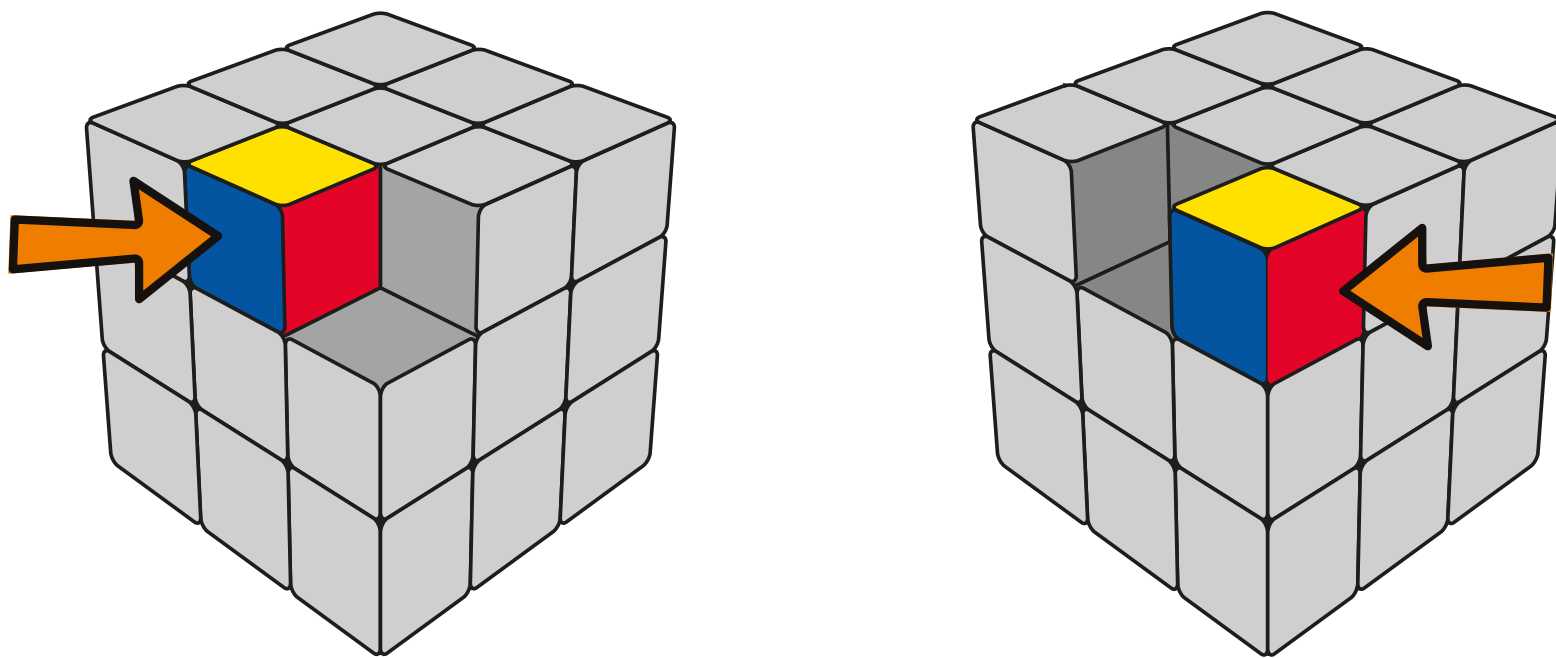These center piece colors are always opposite each other.
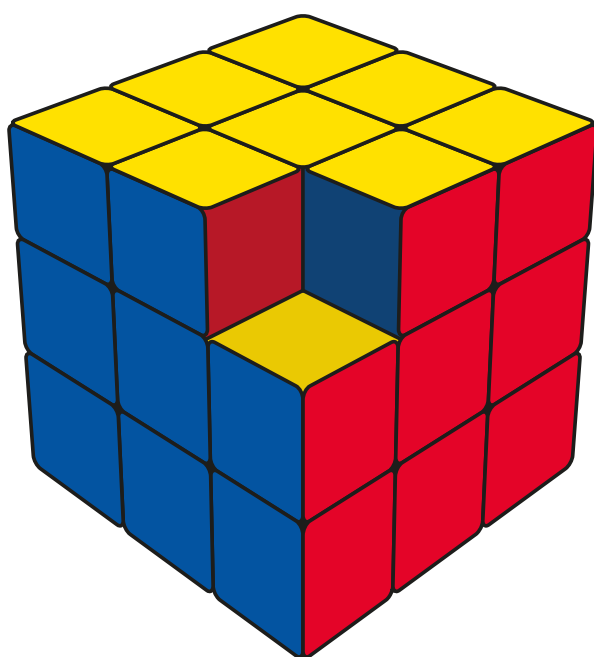
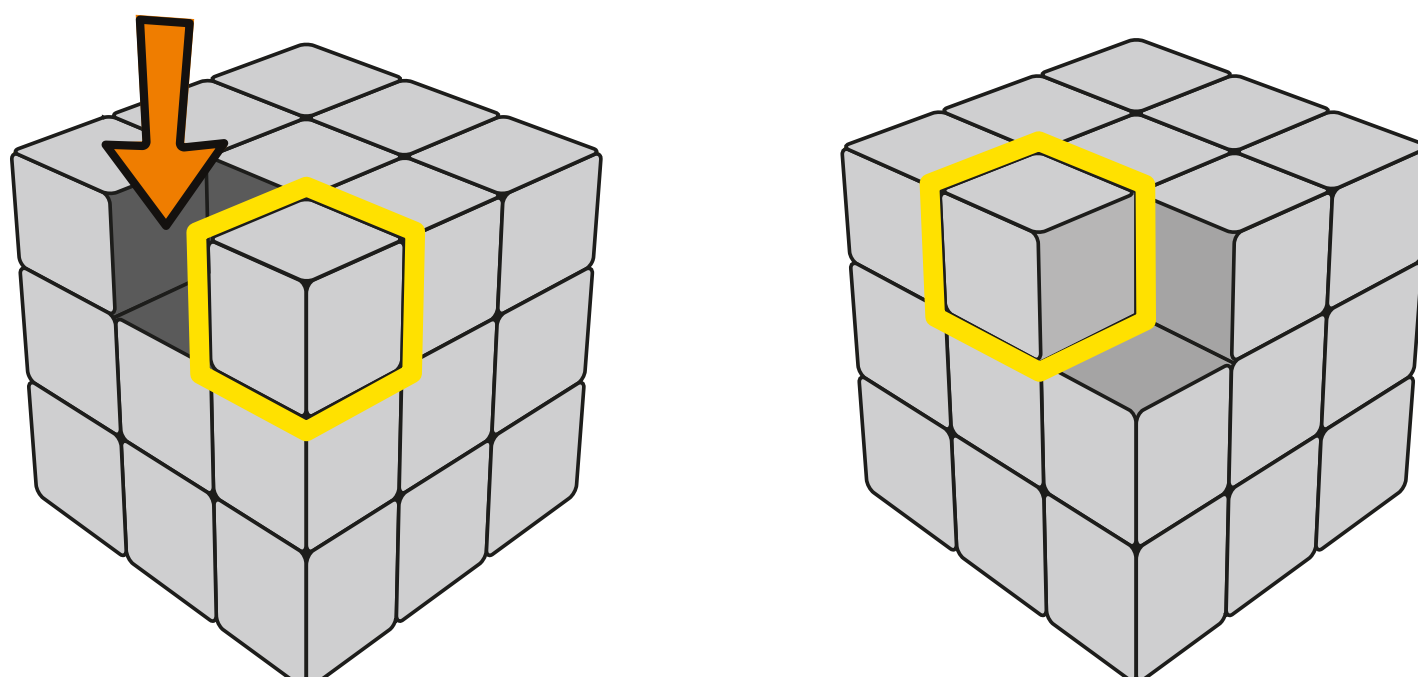YELLOW opposite WHITE
BLUE opposite GREEN
ORANGE opposite RED

Cubies are the pieces that you can move around the Rubik's Slide between the fixed center pieces.

The colored tiles of a cubie will be externally facing when the Rubik's Slide is solved.
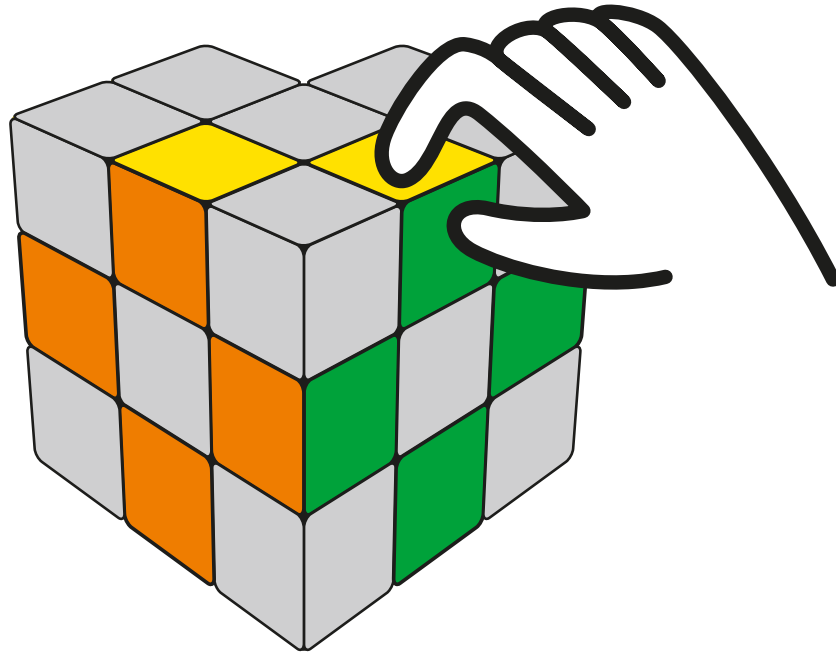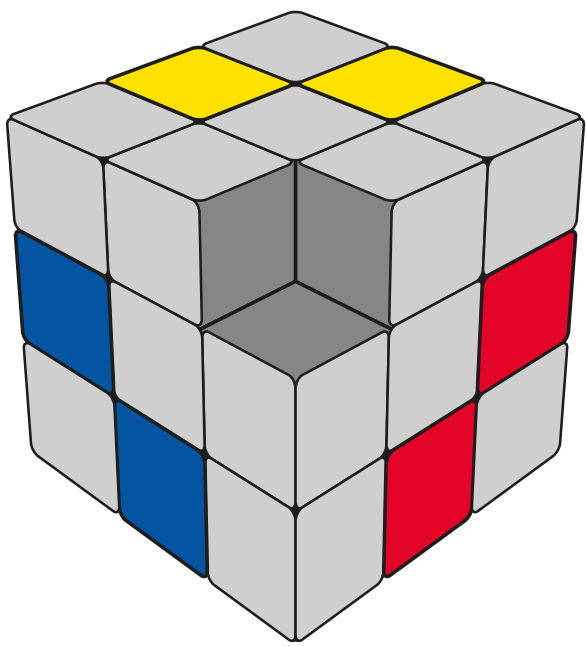
The black sides of each cubie will be internal (hidden) when the Rubik's Slide is solved.
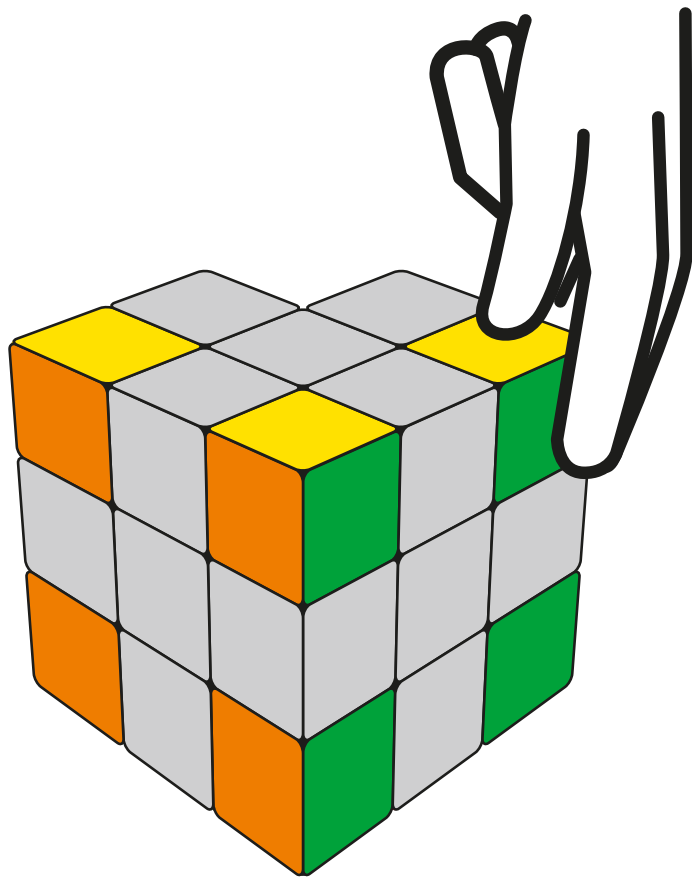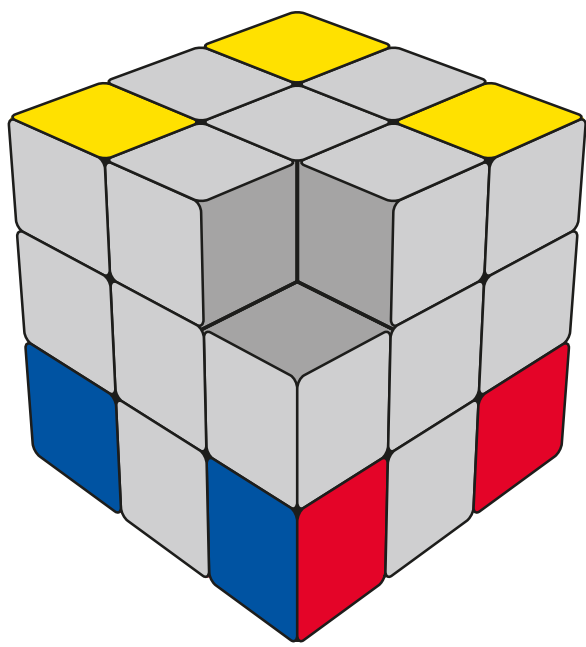
Edge pieces have 2 colored tiles.
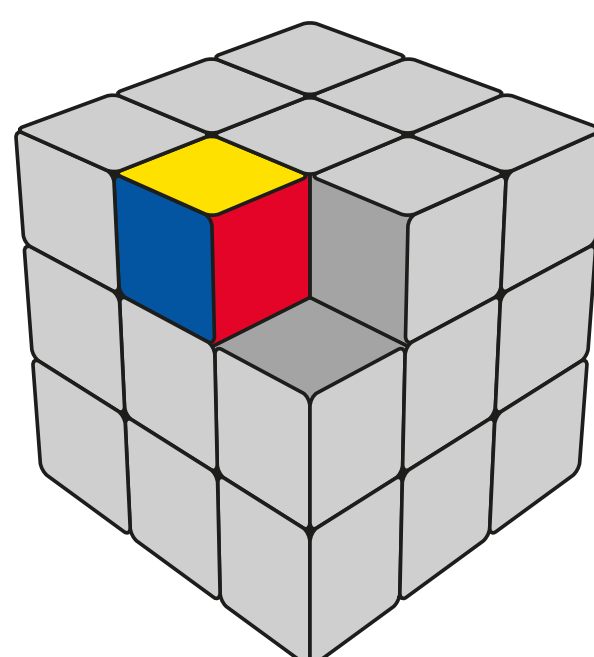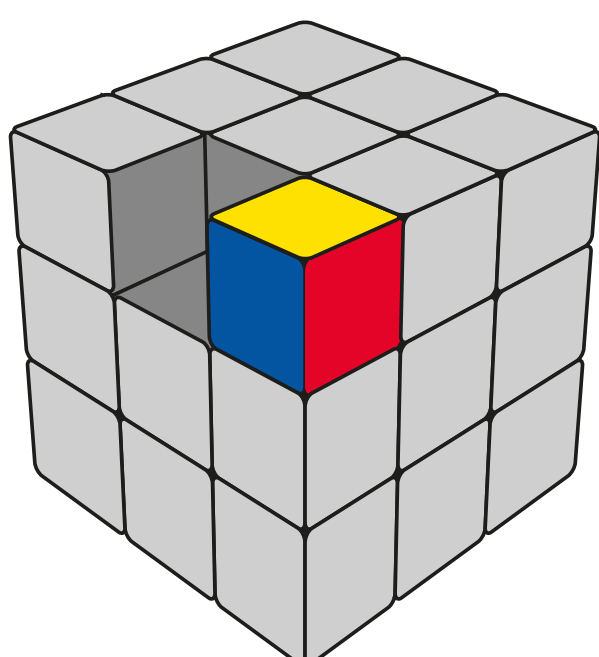
You use two fingers to pinch an EDGE piece.

CORNER PIECE

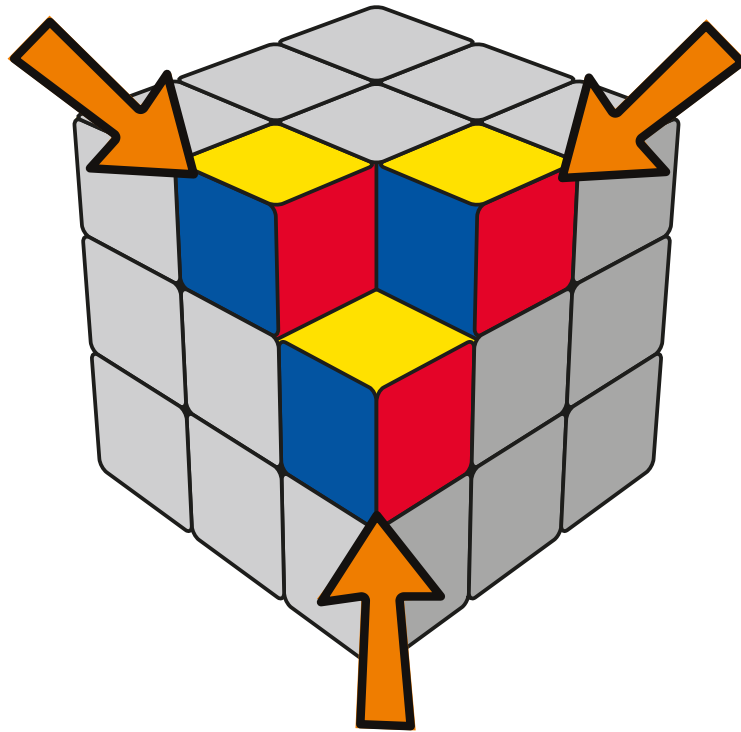Corner pieces have 3 colored tiles.

You use three fingers to touch all sides of a CORNER piece.

Unlike a Rubik's Cube, corner pieces on the Rubik's Slide can occupy the spaces of edge pieces, and vice versa.
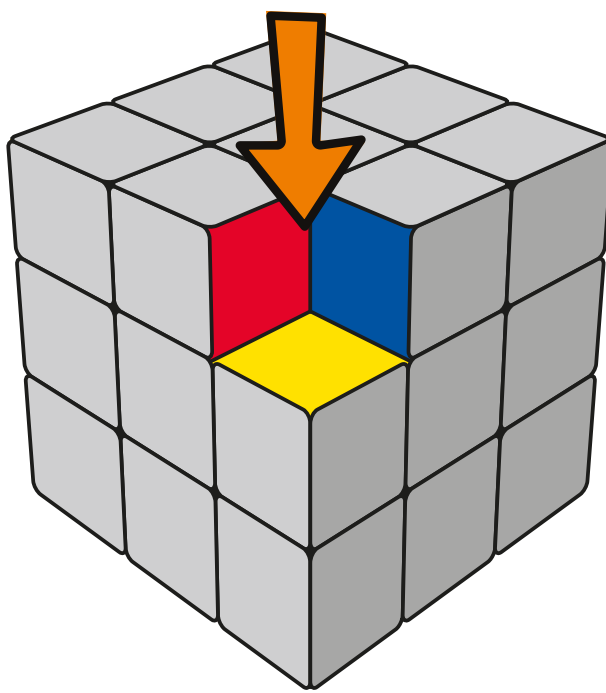
While all other cubies are unique with the colors on them, there are three identical cubies on the Rubik's Slide. Those are the cubies with RED, BLUE and YELLOW.
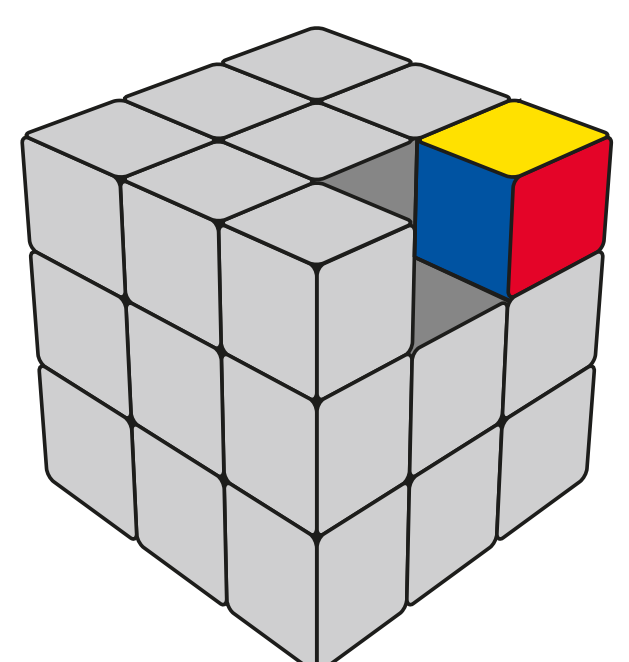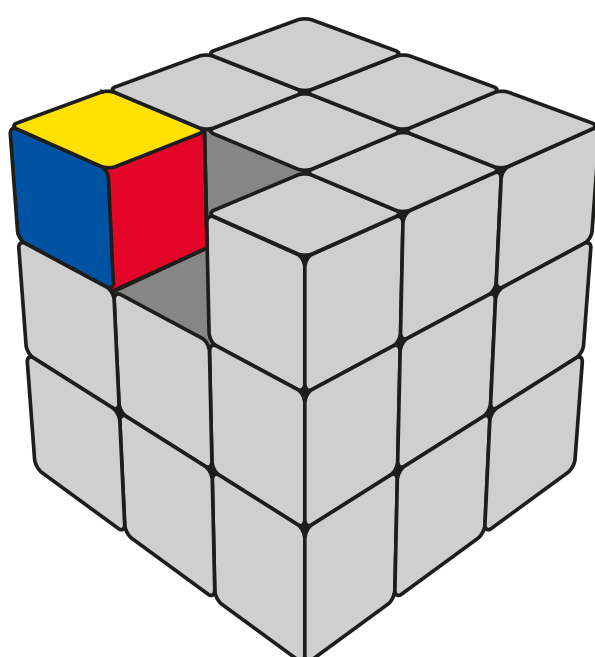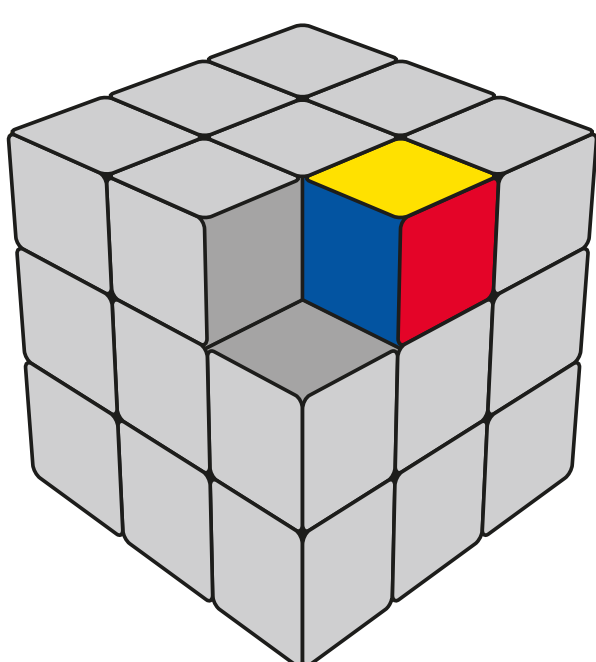
Because the Rubik's Slide always has one cubie away from forming a completed cube, the ending state of the Rubik's Slide will have the missing piece in the RED - BLUE - YELLOW corner position.
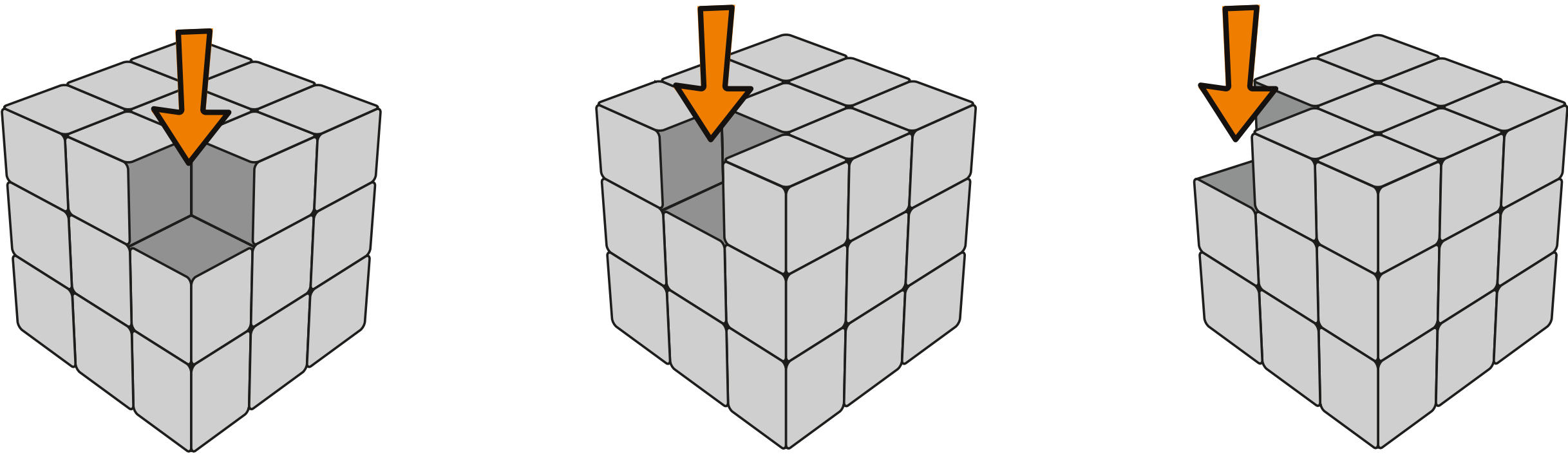
CUBIE ORIENTATION

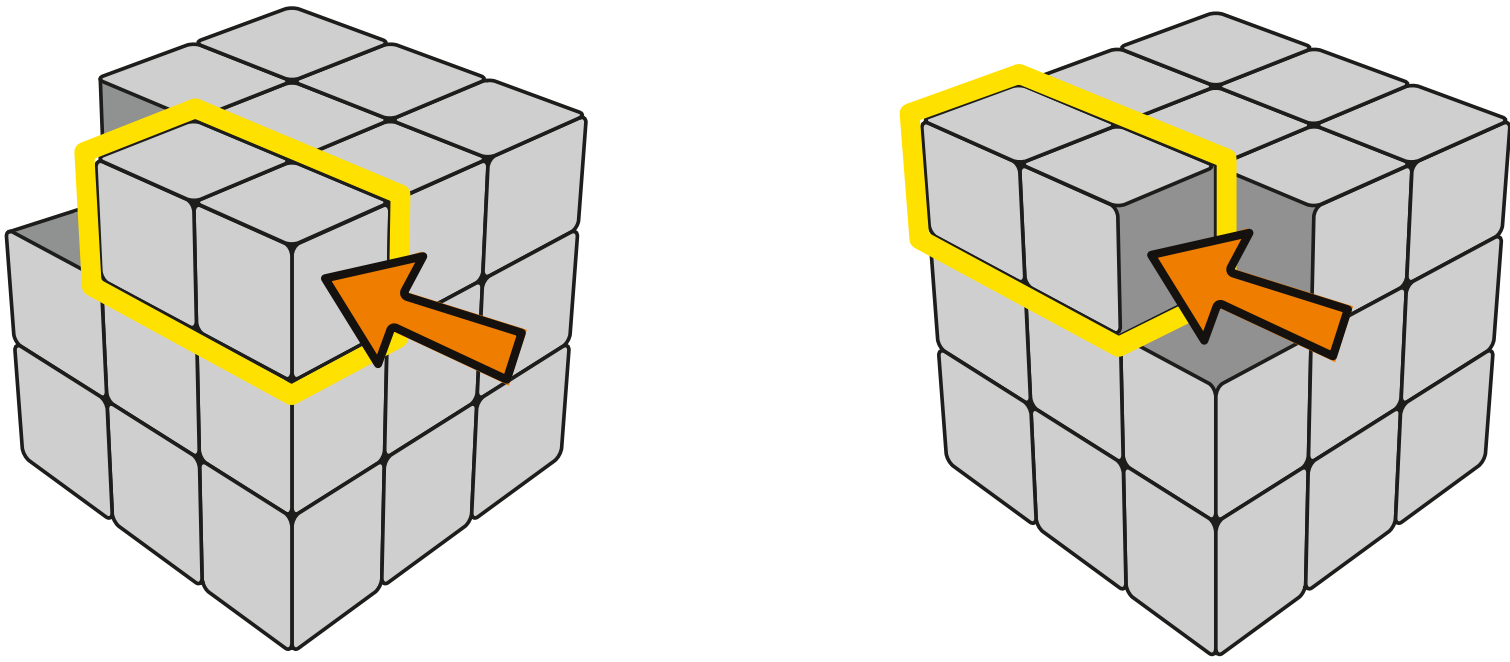Cubies always stay in the same orientation no matter their position on the Rubik's Slide.

This missing piece will be referred to as the "**Slide Spot**", as this is where you will slide your cubies into. This will be referenced to throughout this guide.
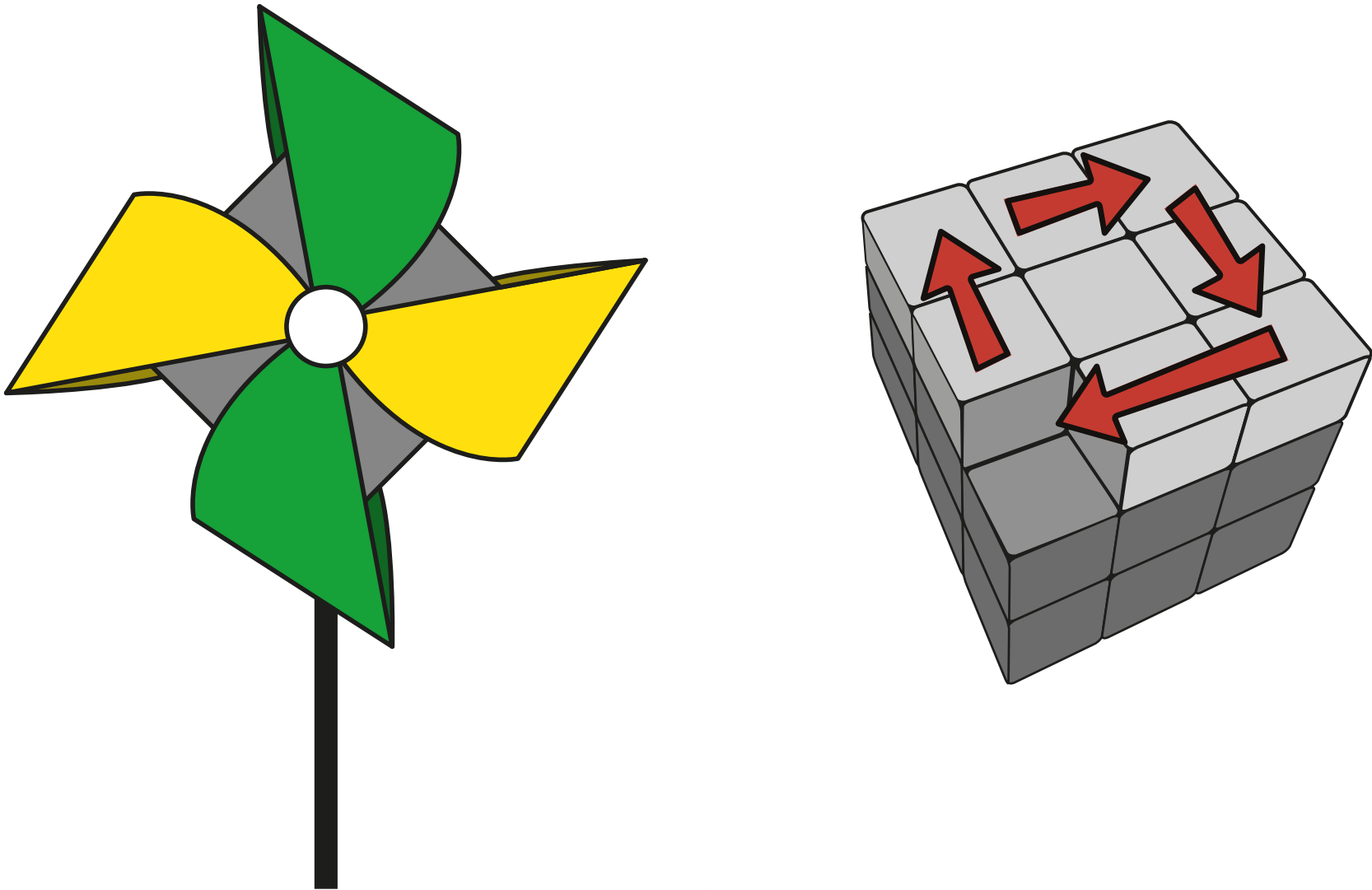

MOVES

Each move involves pushing pairs of cubies **two at a time** into the slide spot.

Sliding cubies around a single face resembles the rotation of a pinwheel.
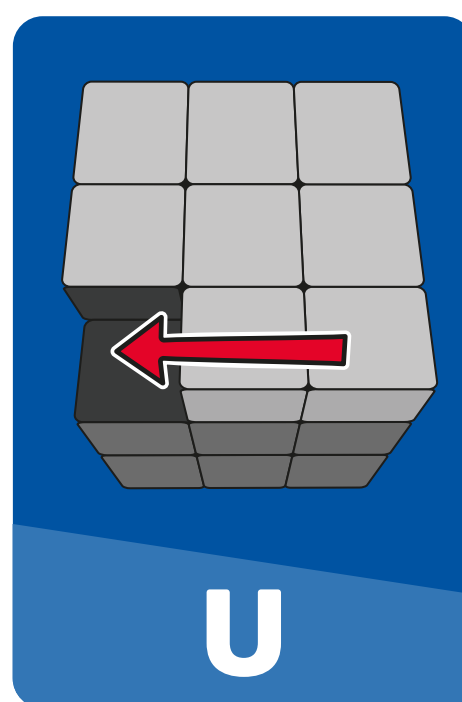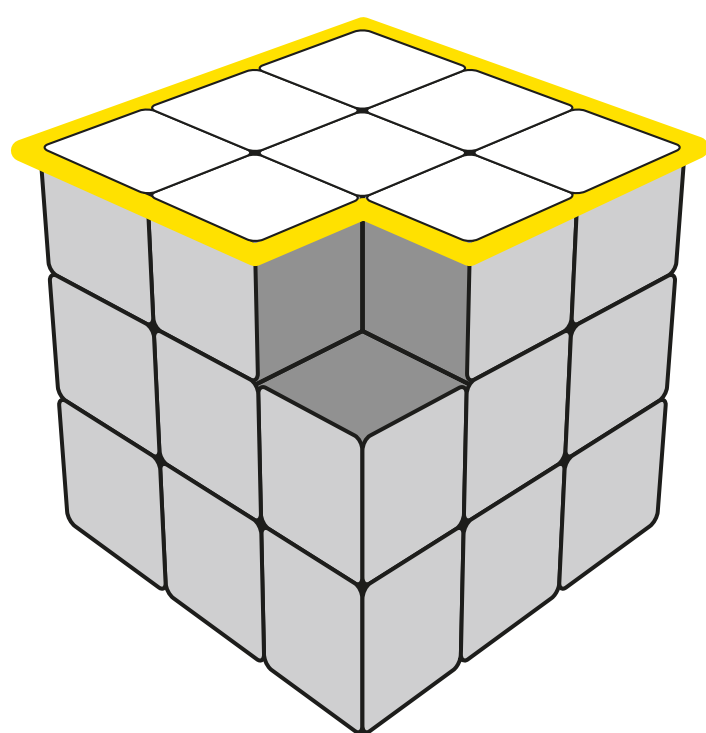
GET TO KNOW YOUR RUBIK'S SLIDE
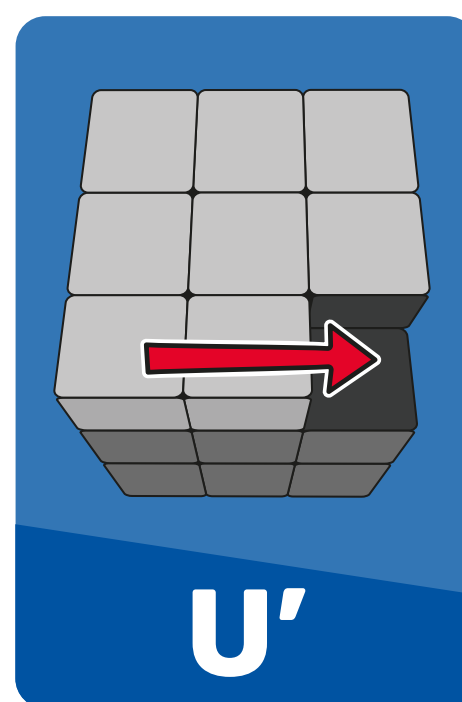
FACE KEY	NOTATION KEY
Each face referenced in this guide is represented by a letter.	Moves used in this guide.

U =
UP FACE

| U | U' |

R =
RIGHT FACE
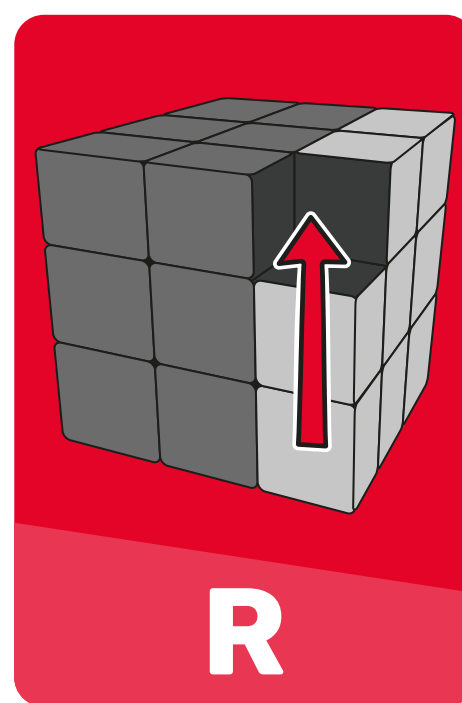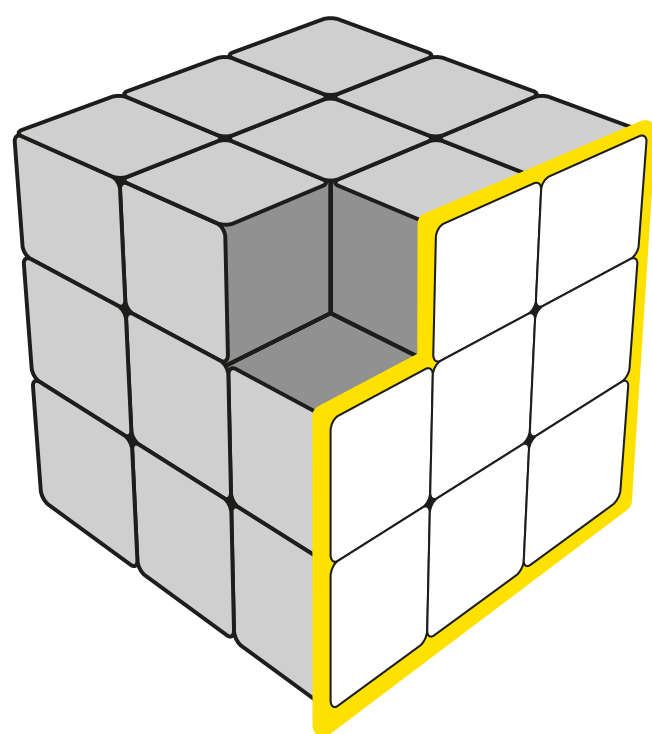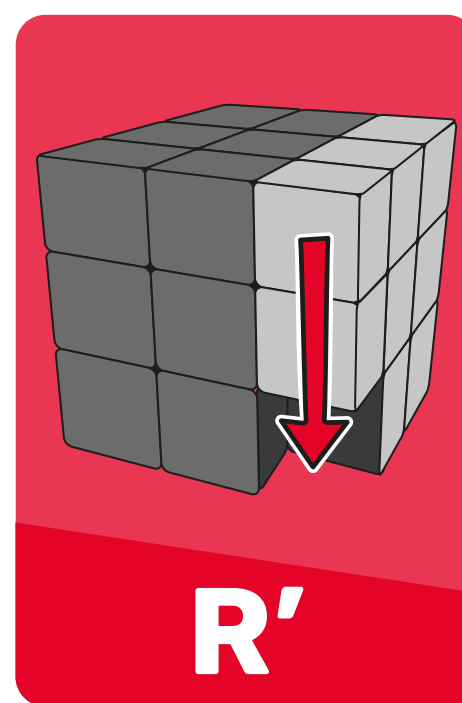
| R | R' |

F =
FRONT FACE
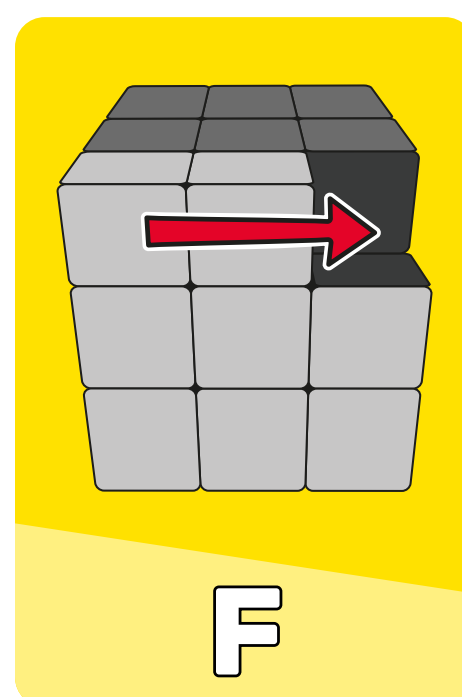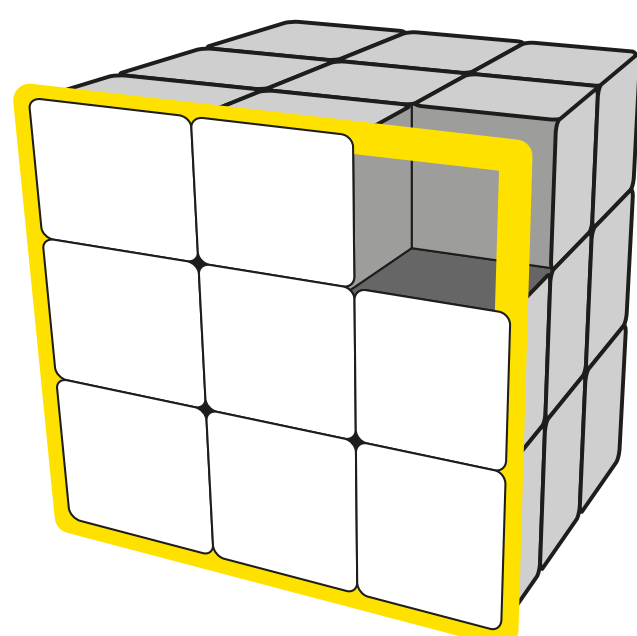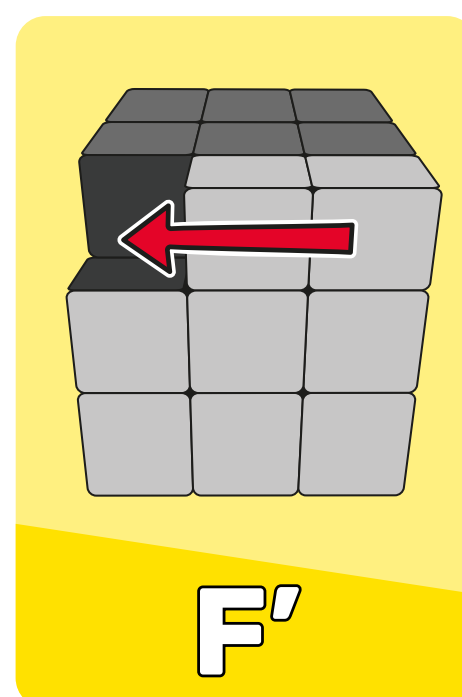
| F | F' |

If there is a **number** next to the algorithm letter, move the cubies in pairs that many times around the face.

U4

U4'
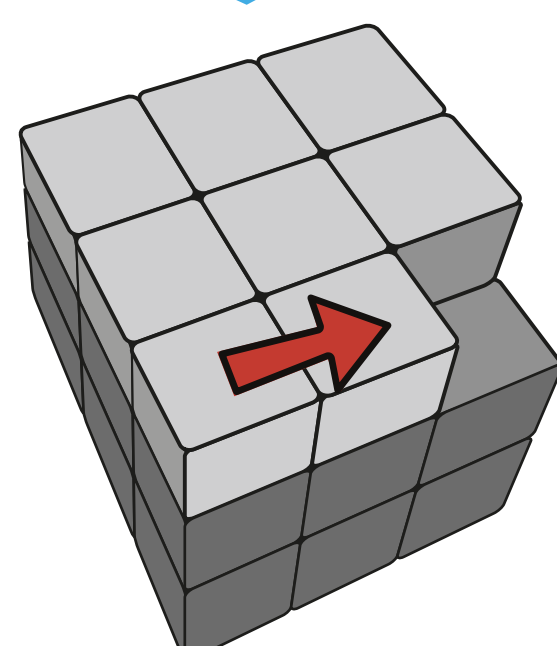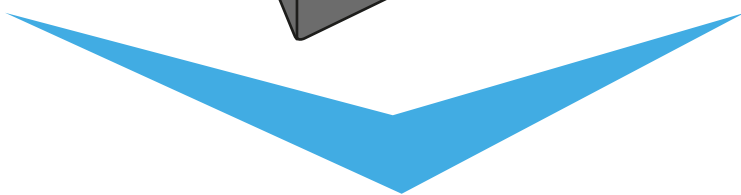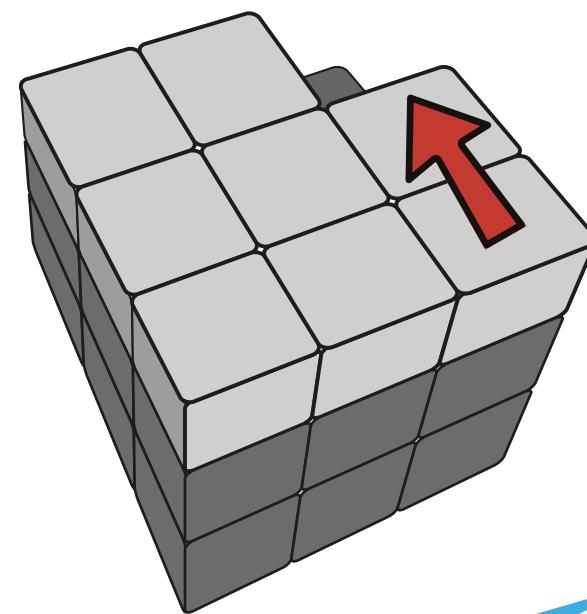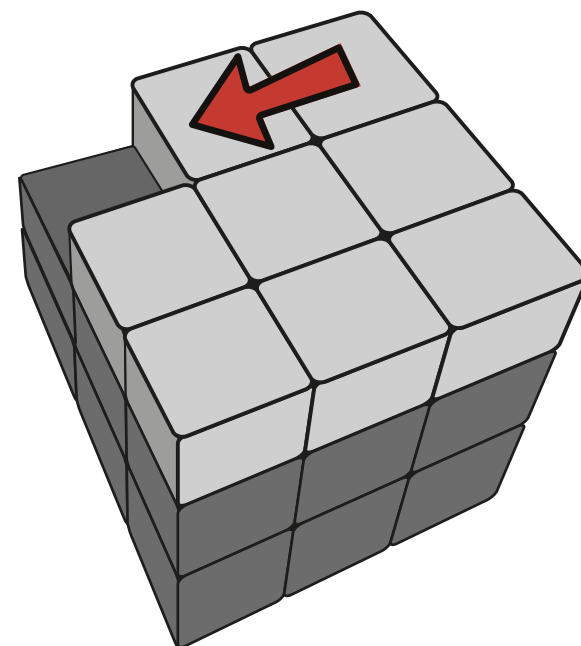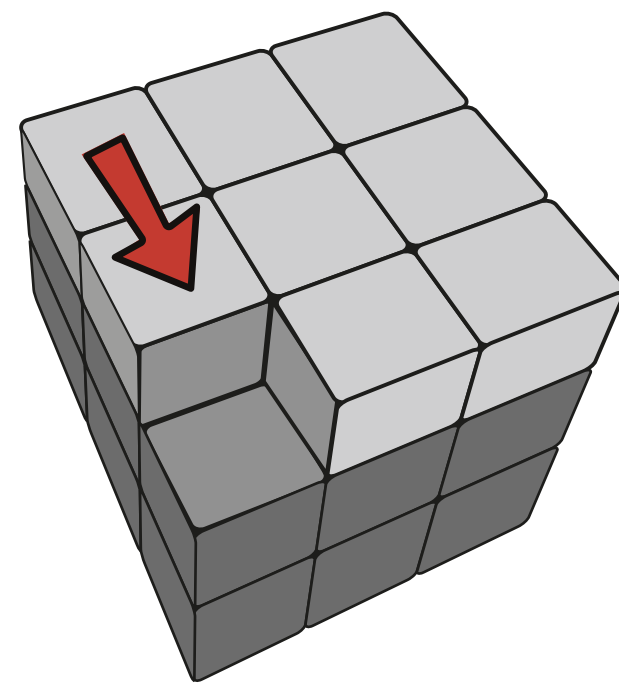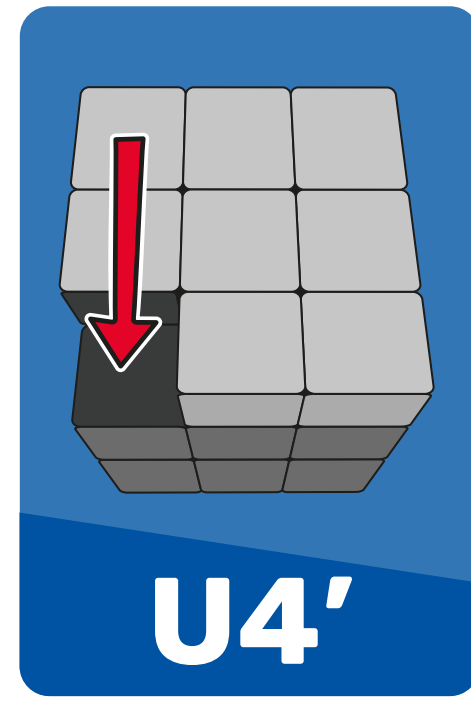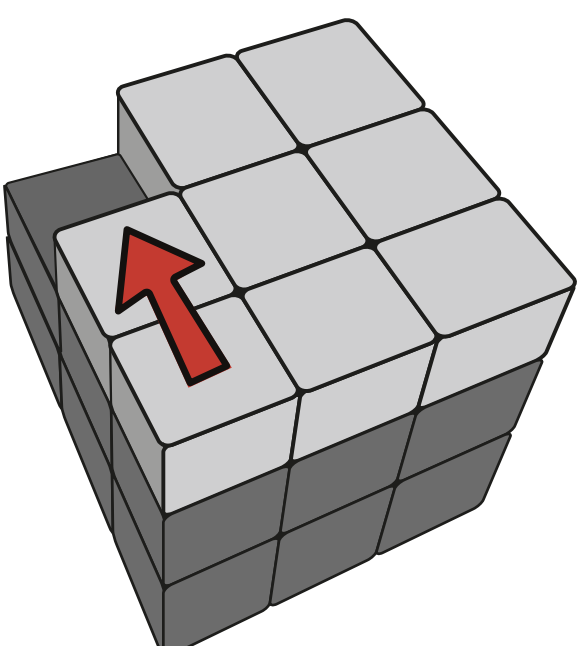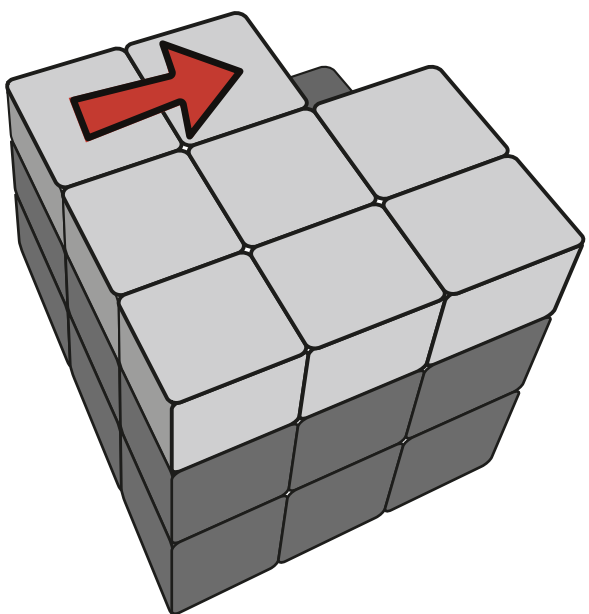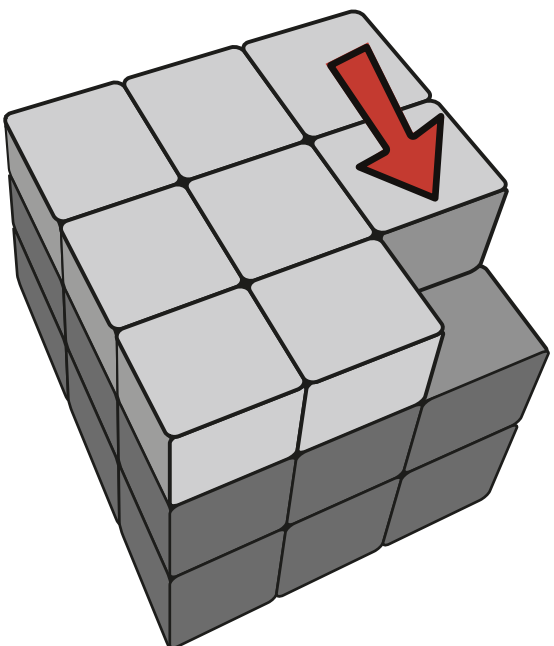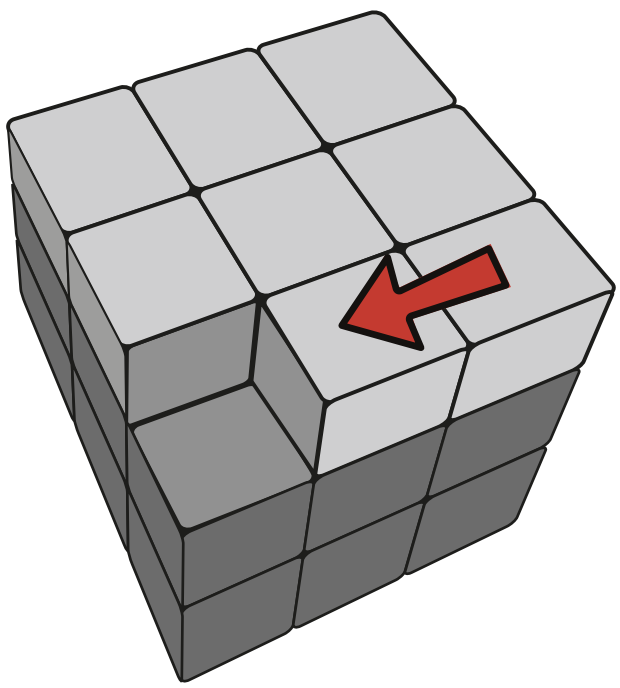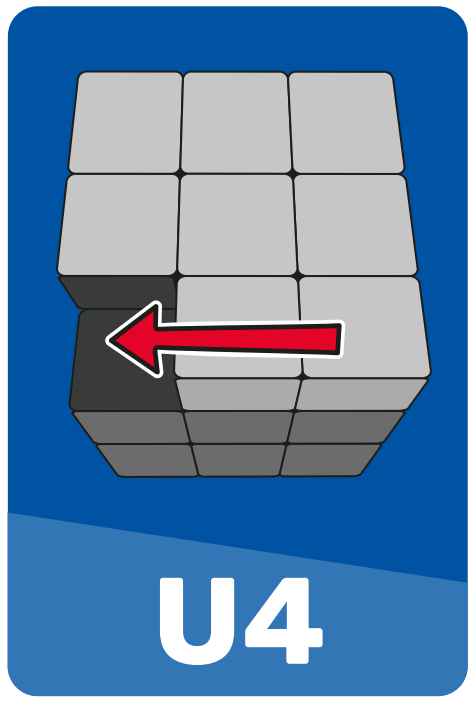
- An **ALGORITHM** is a sequence of moves that you need to do in a specific order.

- When following the algorithms in this guide, it is important to maintain the **FRONT** face of your Rubik's Slide so it stays the **FRONT** through all of the turns.
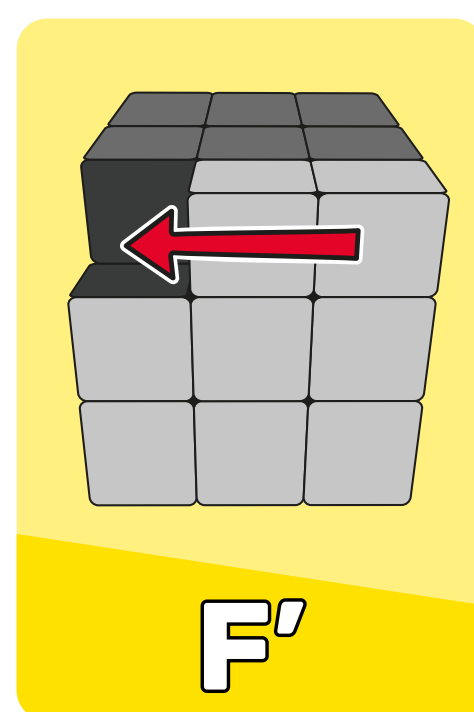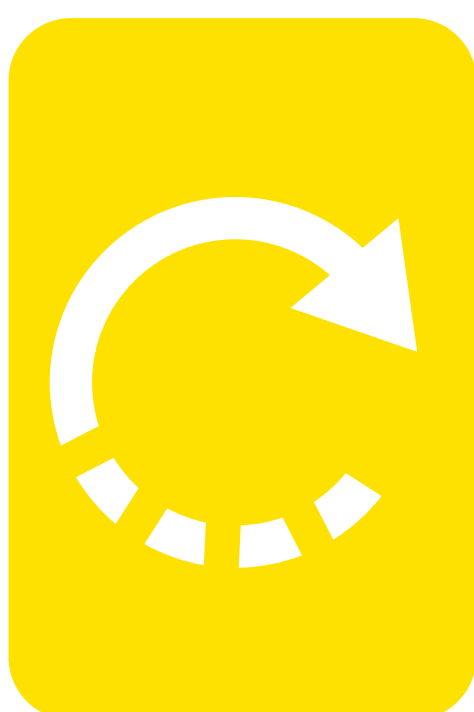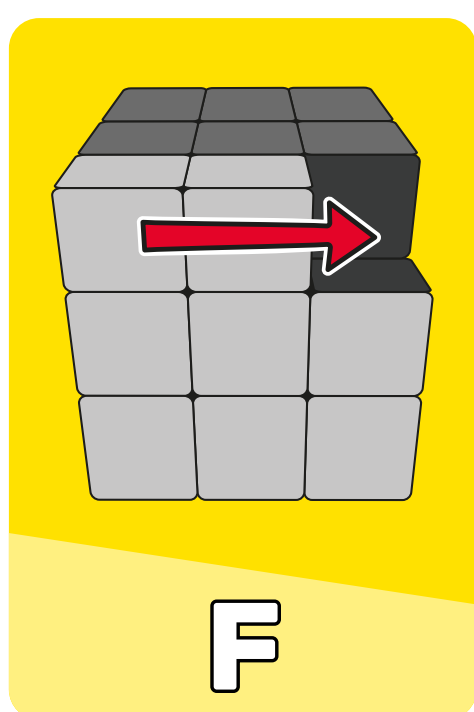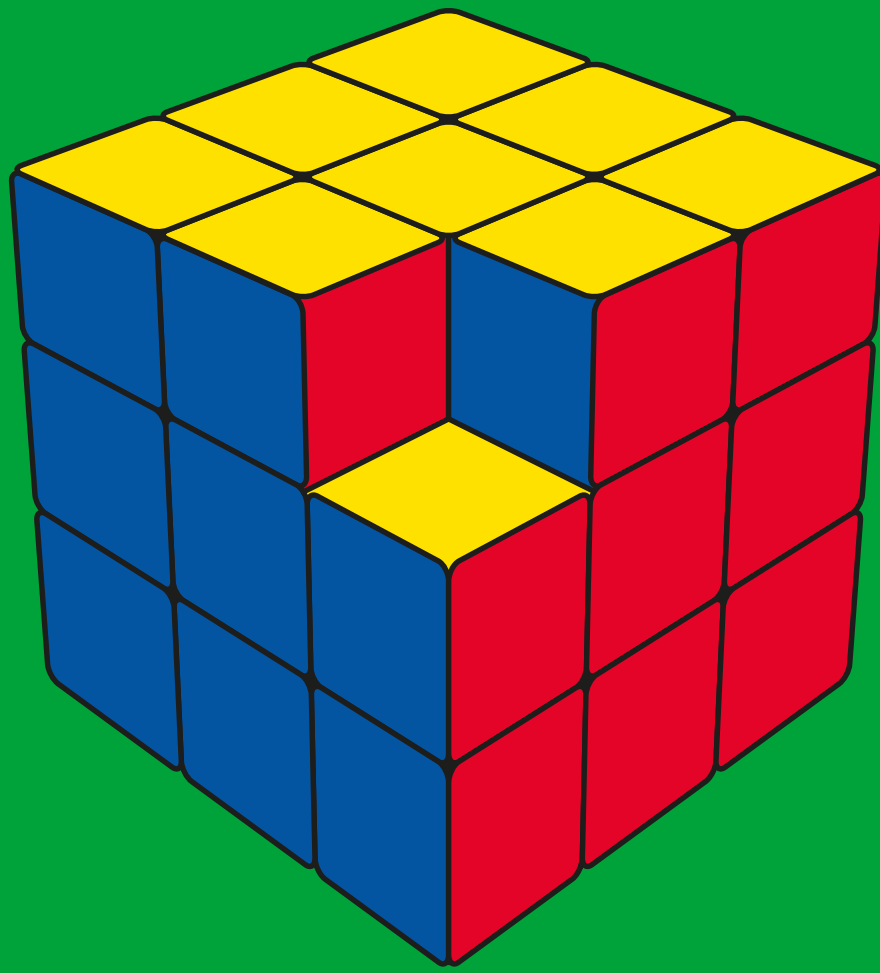
- A turn is moving the cubies clockwise when looking at that face directly. A letter with an apostrophe (') after it means to make an inverse or counterclockwise turn of the cubies around the cube face.

F

F'
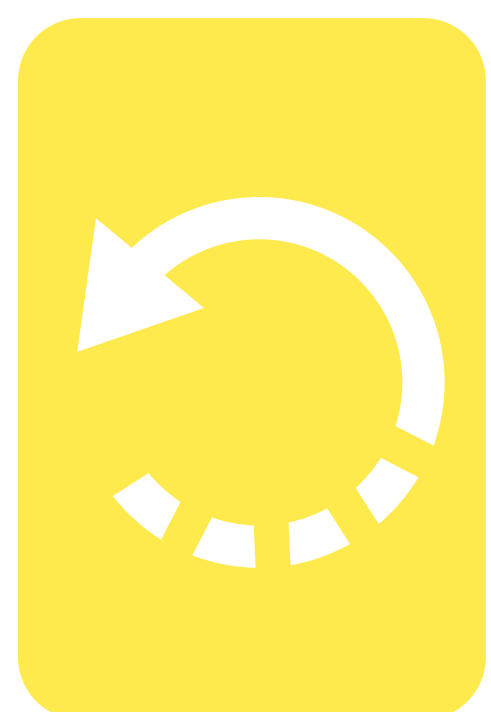
RUBIK'S SLIDE SOLUTION GUIDE

This solution guide is divided into three stages as seen below.
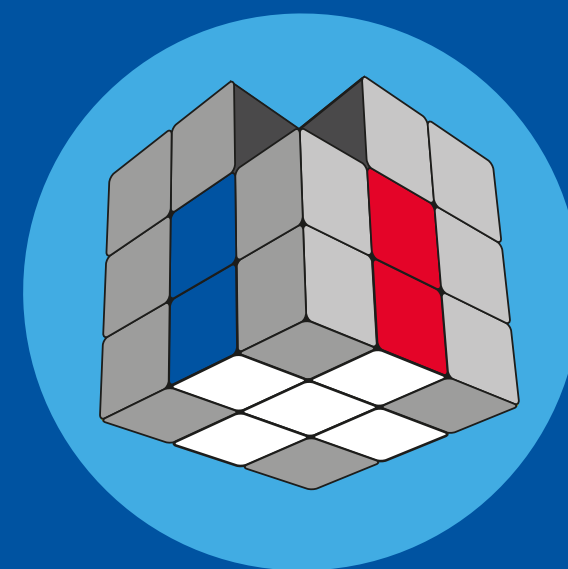
SOLVE LAYER ONE

SOLVE THE MIDDLE LAYER

SOLVE THE FINAL LAYER

Now... let's get solving!
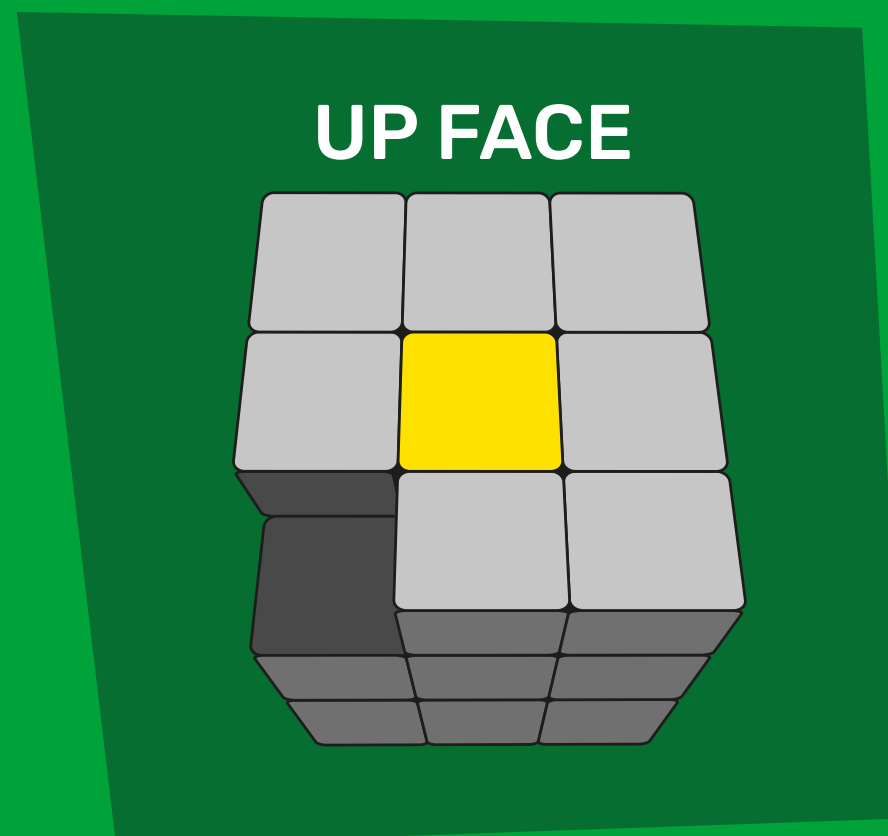
STEP 1: SOLVE THE WHITE CROSS

HOLDING YOUR RUBIK'S SLIDE

Begin by holding your Rubik's Slide with the **YELLOW CENTER** piece on the **UP (U)** face.

UP FACE

Action 1

Locate a cubie that belongs as a **WHITE EDGE** piece. There are four edge pieces with a **WHITE** face and **ONLY** one other color. All other sides of the cubie will be **BLACK**. Because cubie colors can become hidden when facing internally, you may need to position the slide spot next to the cubie of interest, to slide it back and forth to determine the colors on all sides of the cubie.

BOTTOM FACE

BOTTOM FACE
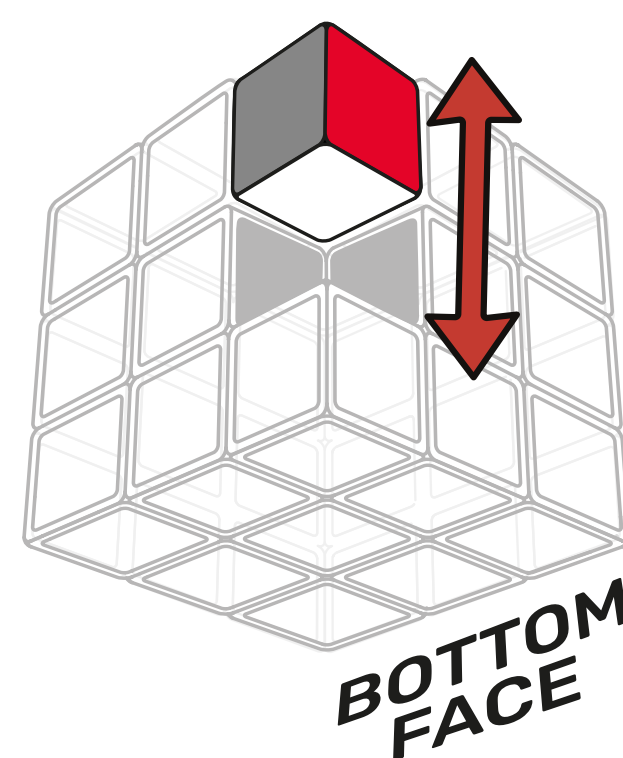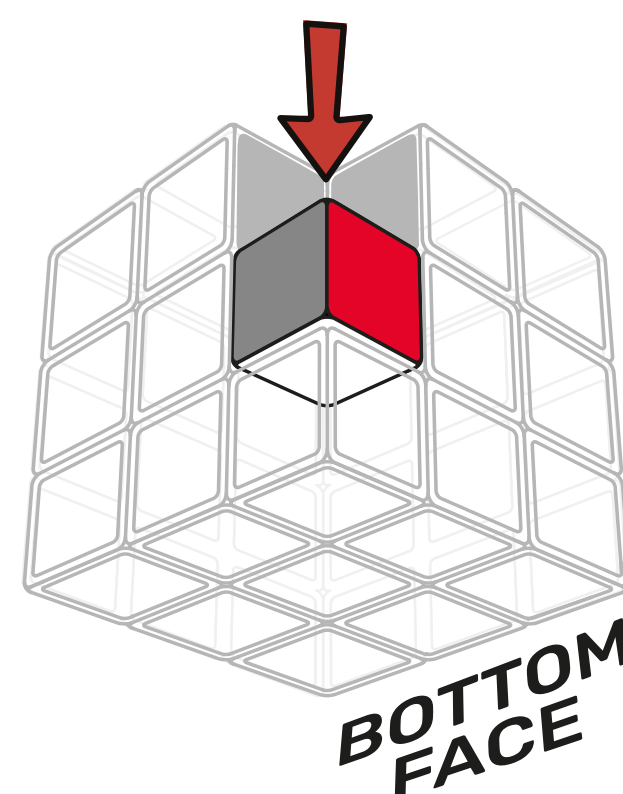
REMEMBER THE CUBIES DO NOT CHANGE ORIENTATION.

You may find the **WHITE EDGE** color hidden on the **TOP** and **MIDDLE** layers.

When you've found a **WHITE EDGE** cubie, place it in the **YELLOW** layer. If the **WHITE EDGE** piece is already on the **TOP** layer, go to **Action 3**

If the **WHITE EDGE** piece is in the **MIDDLE** layer, hold the piece on the **FRONT-RIGHT** side of the Rubik's Slide with the slide spot placed directly above, and perform the algorithm below.

FRONT FACE

R3

U4

R3'
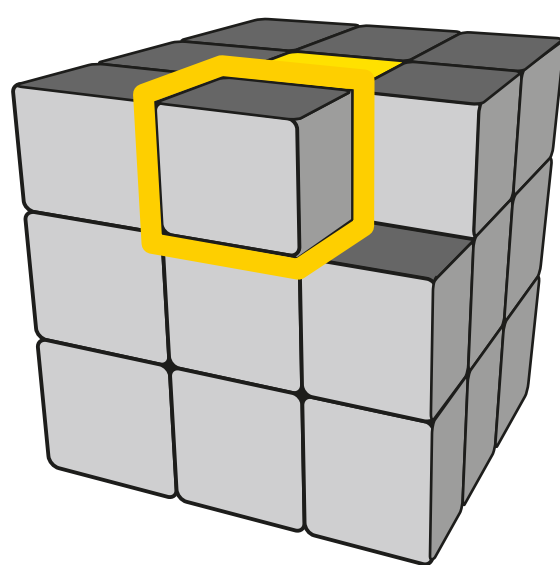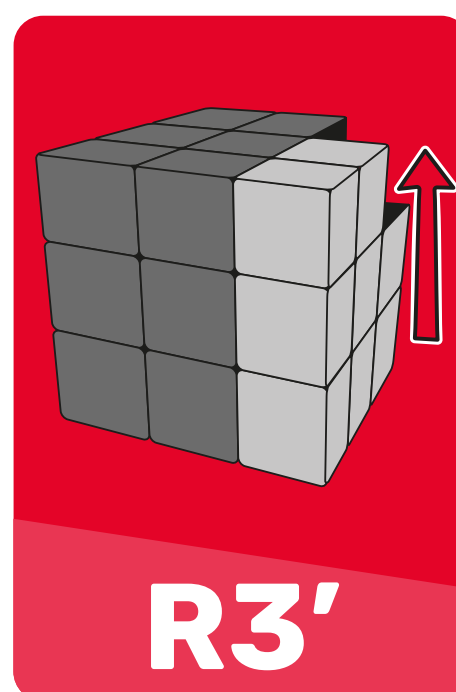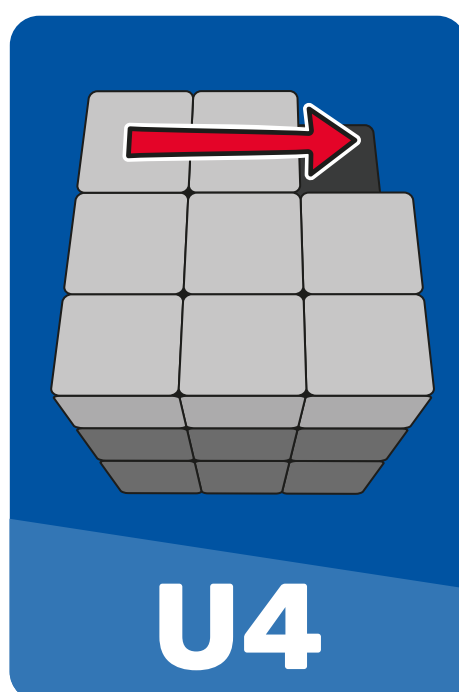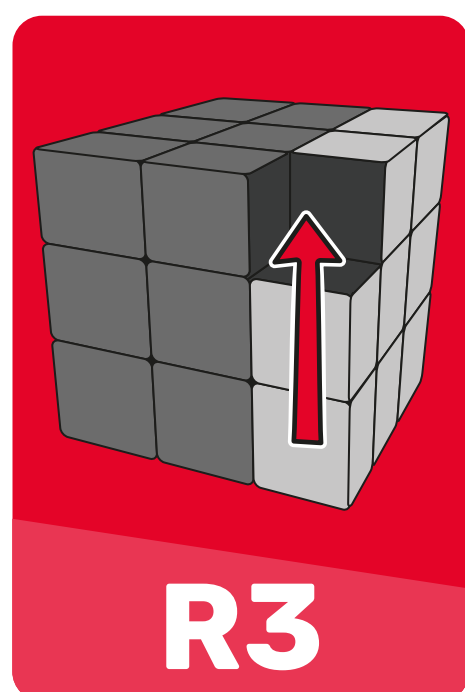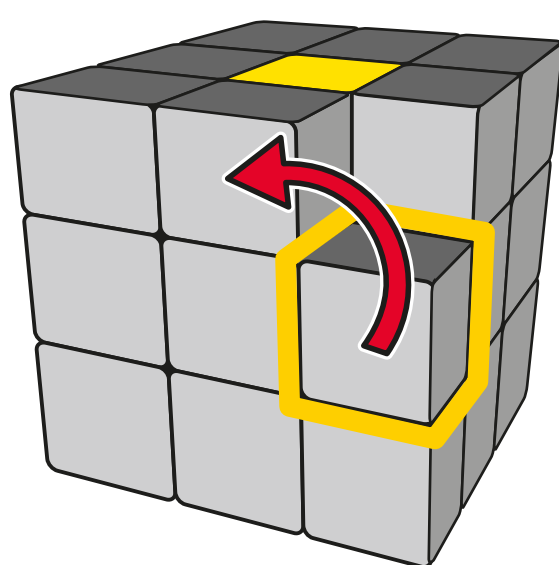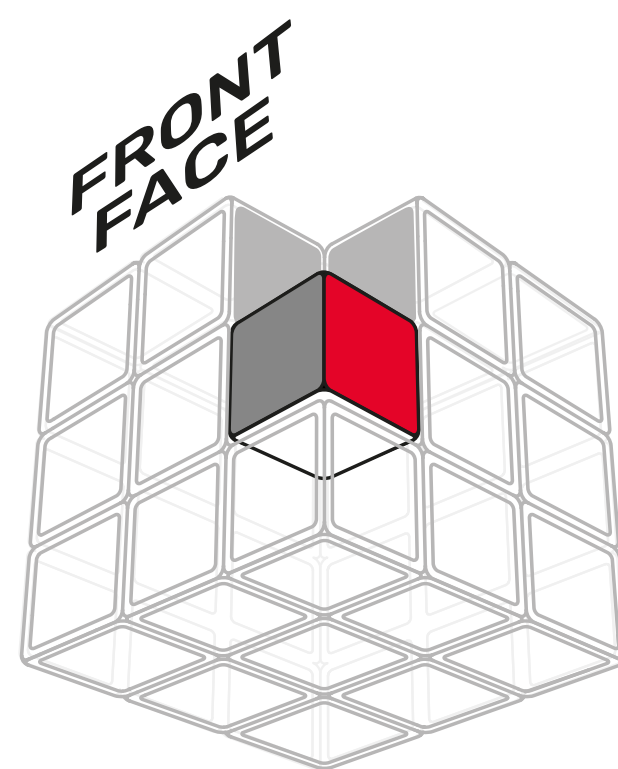
If the piece occupies an incorrect edge spot in the **BOTTOM** layer, hold the piece in the **FRONT-BOTTOM** side of the Rubik's Slide and cycle the **FRONT** side pieces until the piece is on the **YELLOW** layer.

BOTTOM FACE

F12'
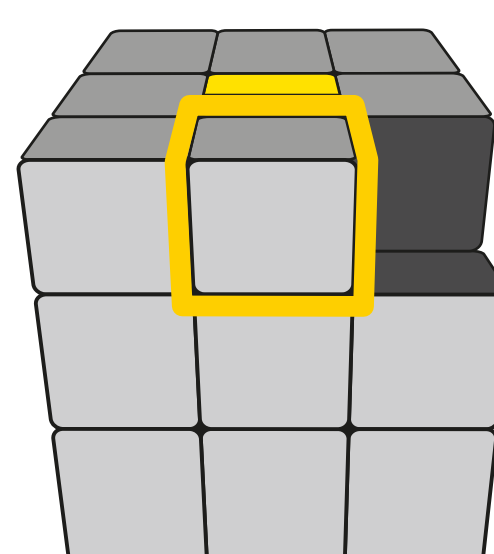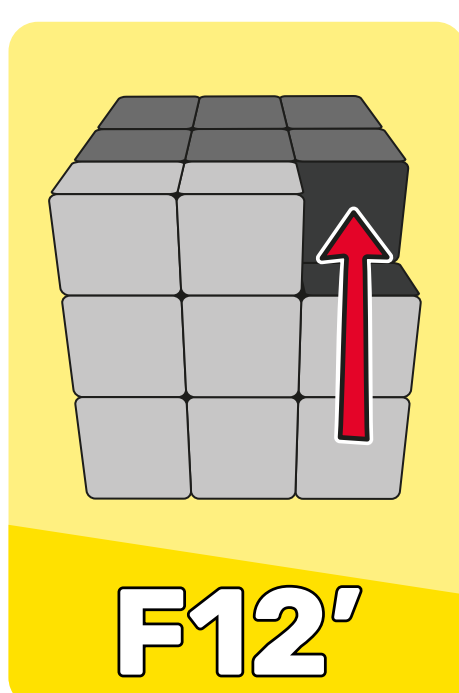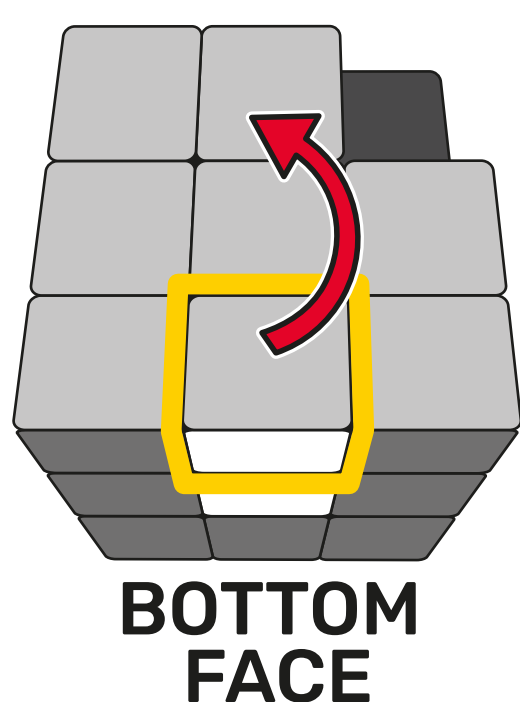
If the **WHITE EDGE** piece occupies the **BOTTOM** corner, position the **WHITE EDGE** piece on the **BOTTOM-RIGHT** with your slide spot **TOP-RIGHT** (above) and complete the algorithm.
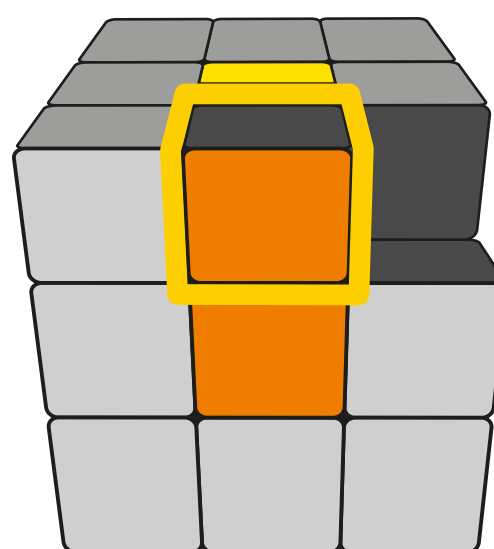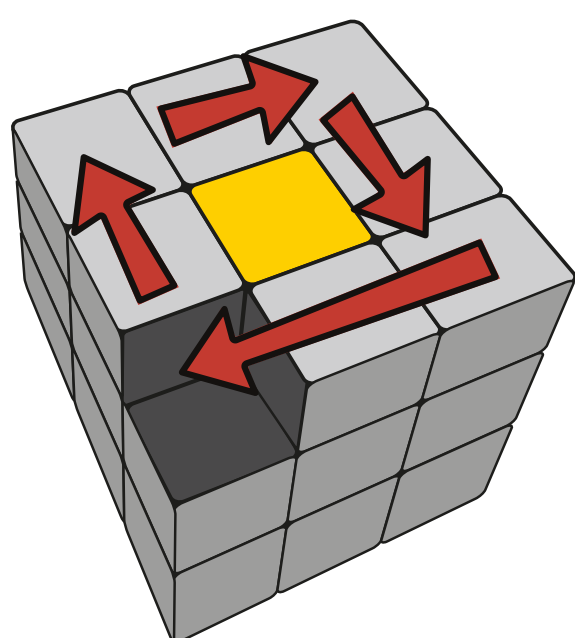

BOTTOM FACE
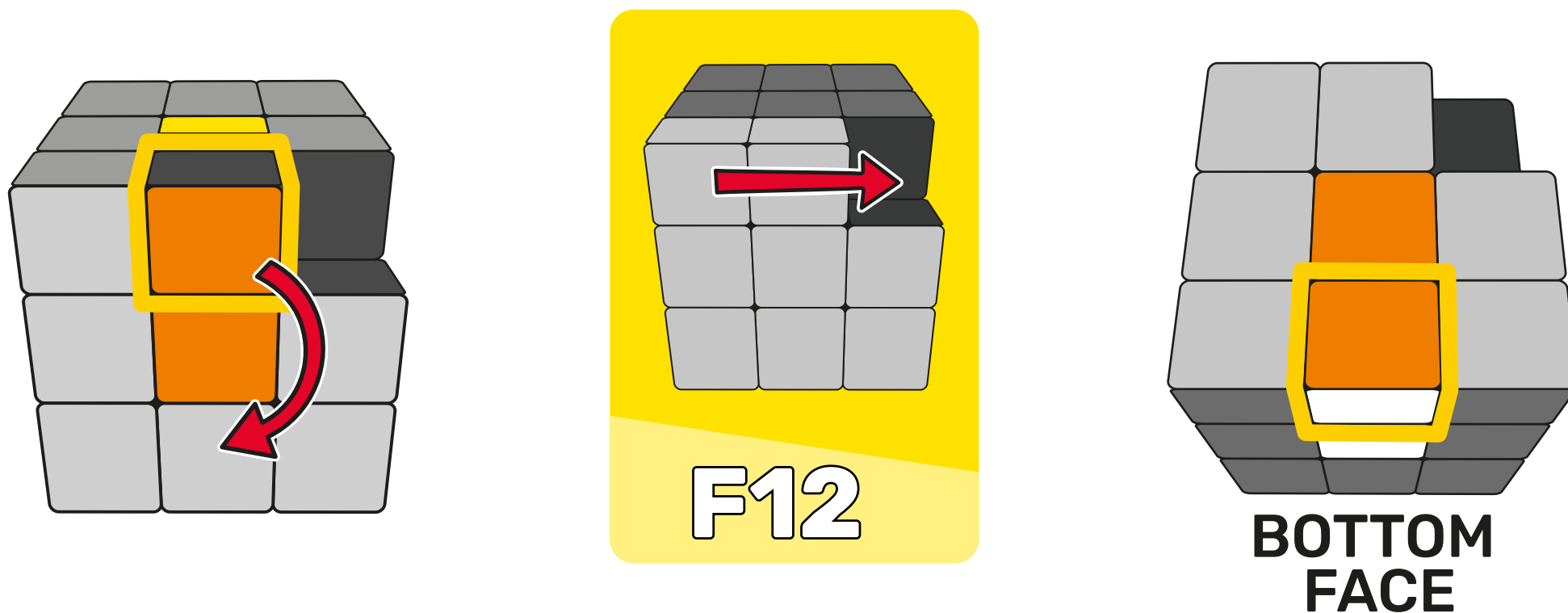
R7	U4	R7'
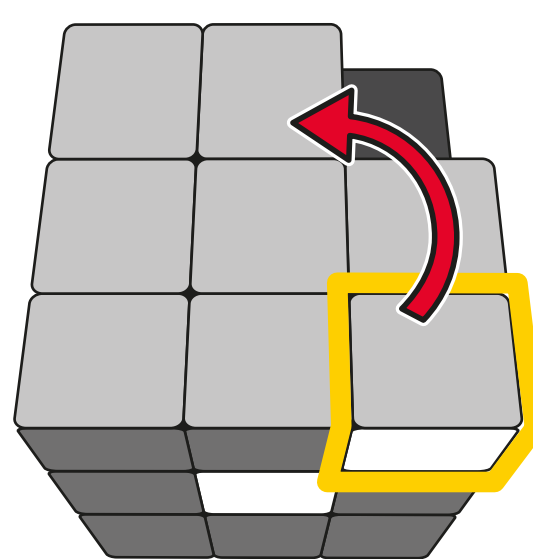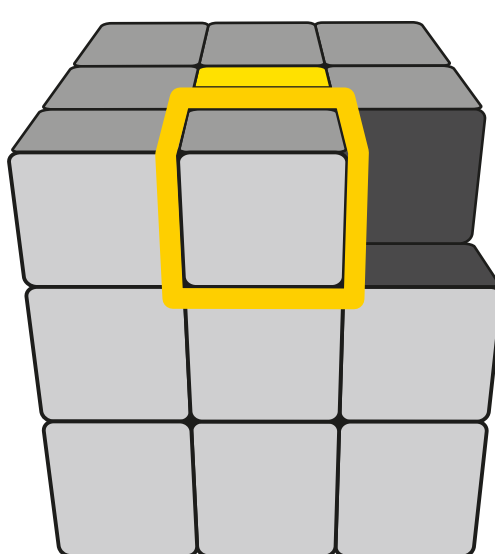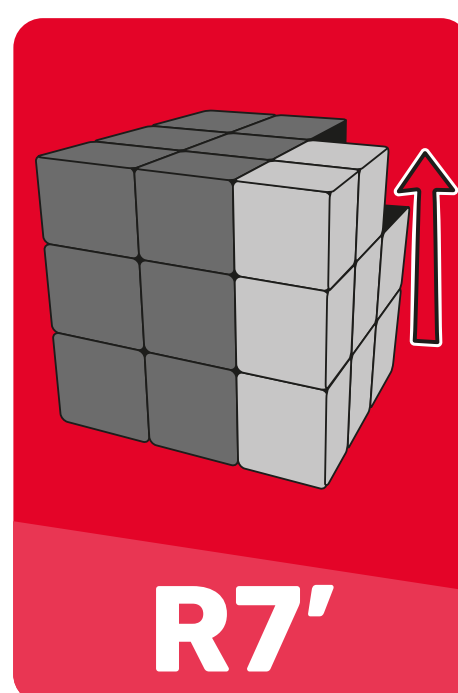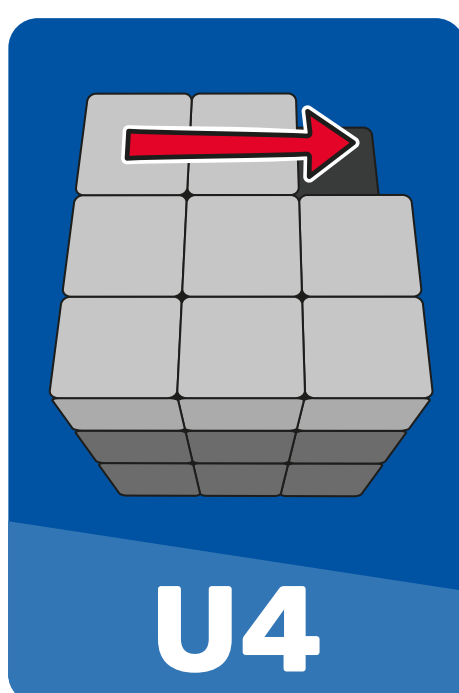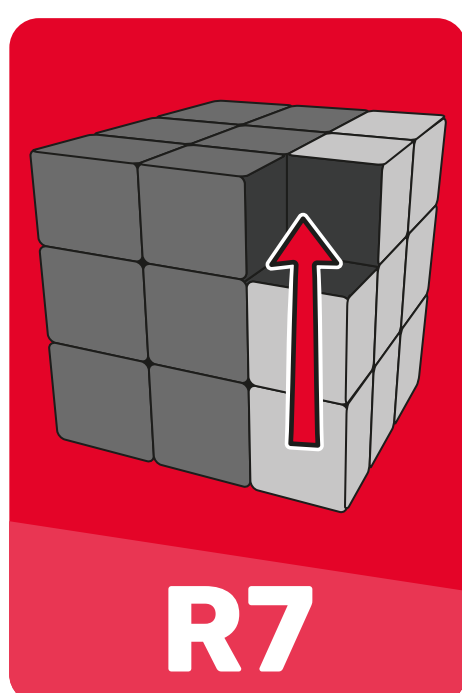
Action 3

When the cubie is on the **YELLOW** layer, cycle the **YELLOW** layers pieces until the **FRONT** tile of the piece matches the **CENTER** tile color. If it already matches, continue to **Action 4**
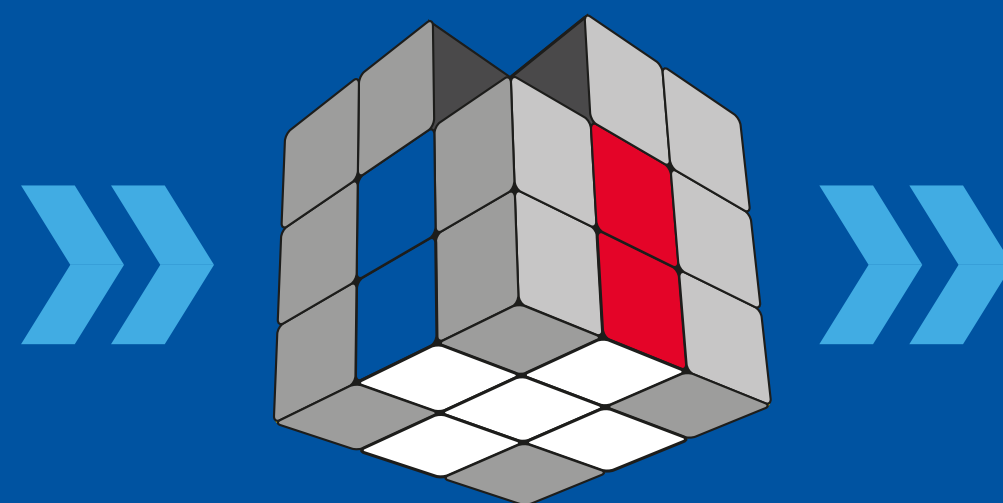
Action 4

Cycle the **FRONT** pieces clockwise until the **WHITE** tile matches the **WHITE CENTER** and the piece is solved.
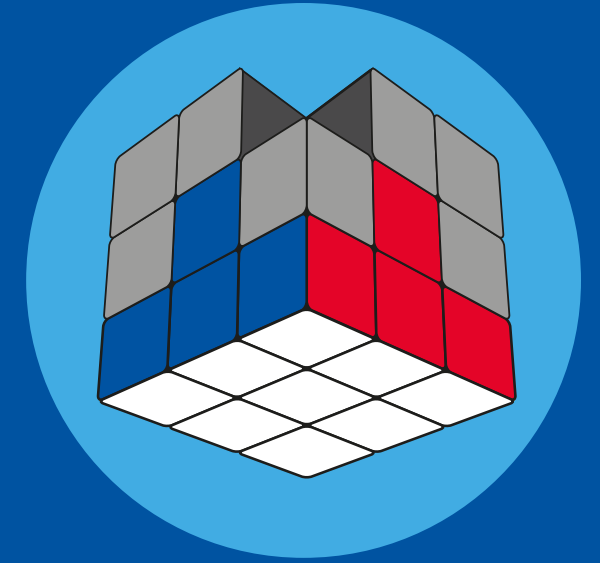

F12

BOTTOM FACE

Action 5

Repeat **Action 2-4** for all **WHITE EDGE** pieces.

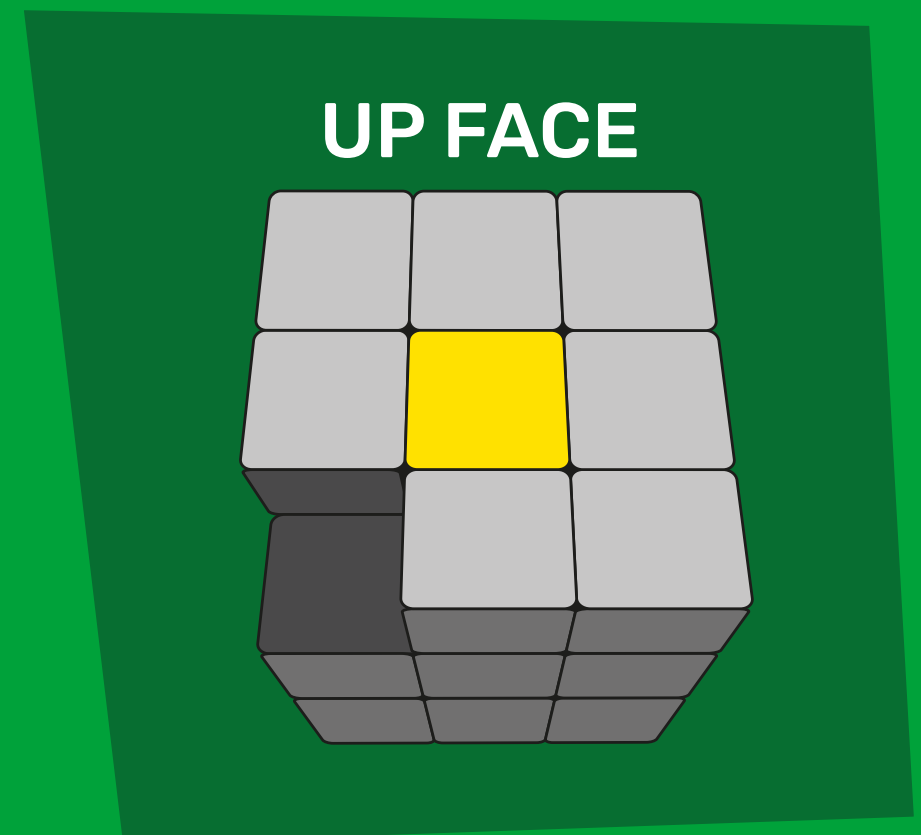When your Rubik's Slide has a white cross that looks like this picture, you can move to **Step 2!**
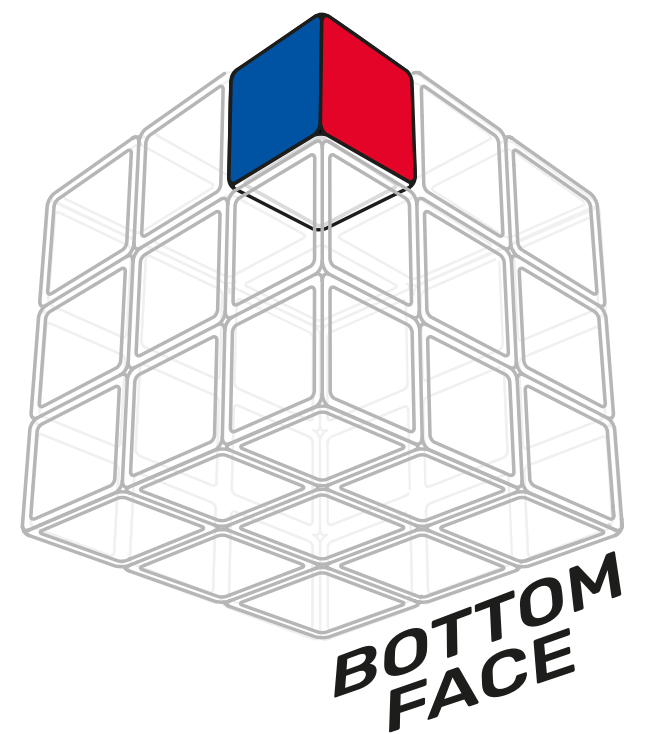
STEP 2: SOLVE THE WHITE CORNERS

HOLDING YOUR RUBIK'S SLIDE

Begin by holding your Rubik's Slide with the **YELLOW CENTER** piece on the **UP (U)** face.

UP FACE

Action 1

Locate a **WHITE CORNER** piece on the **YELLOW** layer. A **WHITE CORNER** piece will have a **WHITE** tile along with two other colors.

BOTTOM FACE

REMEMBER THE CUBIES DO NOT CHANGE ORIENTATION.

If there are no **WHITE CORNER** pieces to locate on the **YELLOW** layer go to **Action 4**
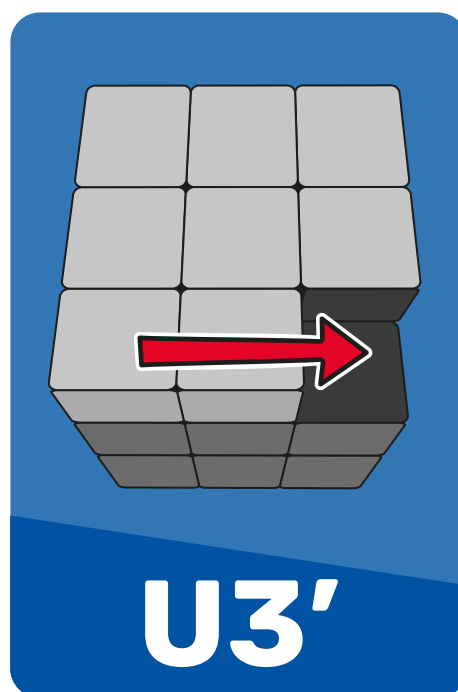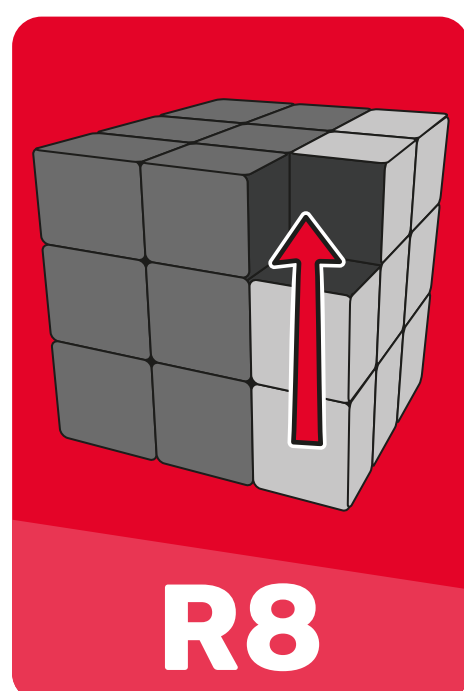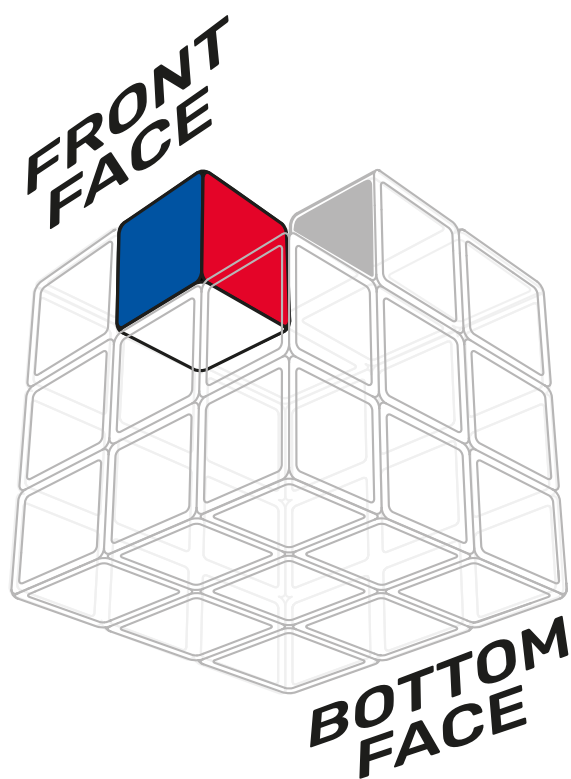
Hold the Rubik's Slide so that the final destination of the **WHITE CORNER** piece is in the **BOTTOM-RIGHT** of the **FRONT** face.
Position the **WHITE CORNER** piece so that one color matches the **FRONT** center, and the other color faces the **RIGHT** side of the cube.
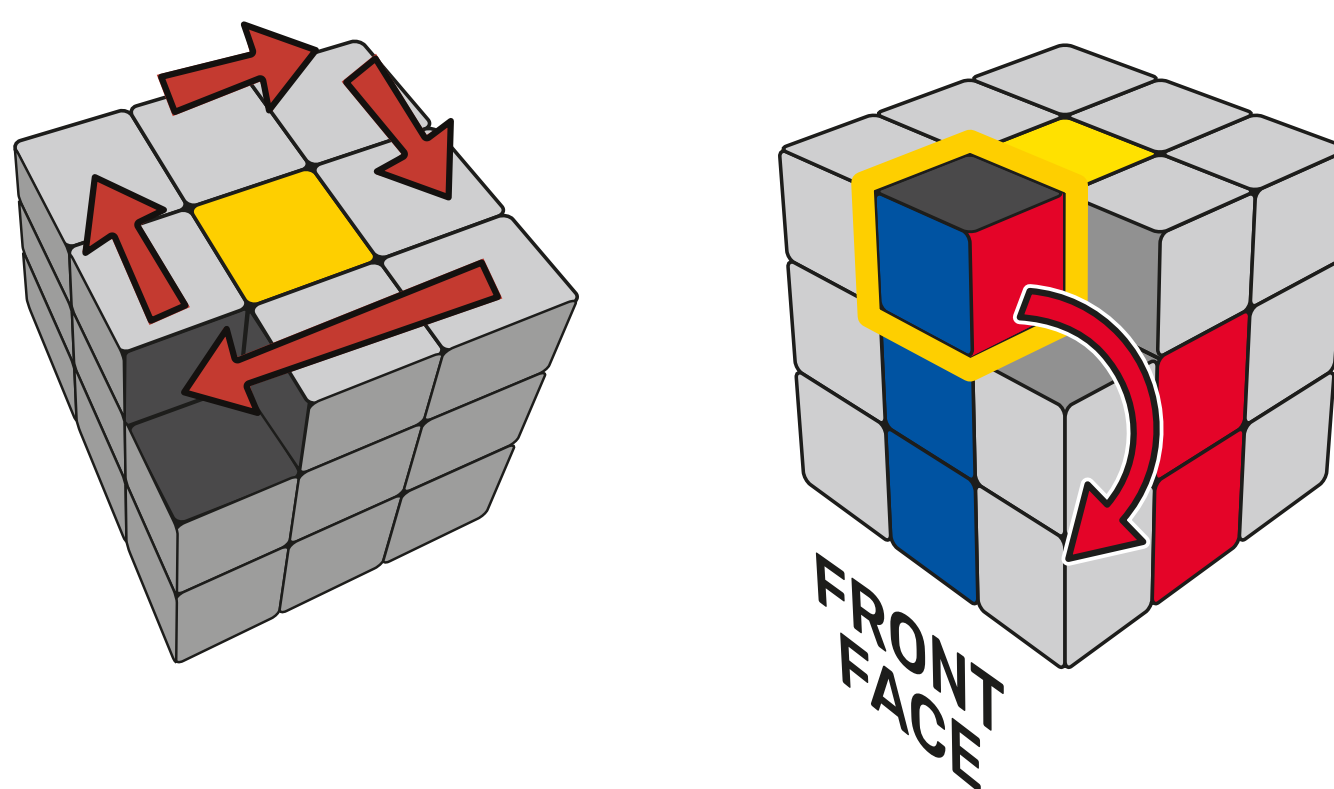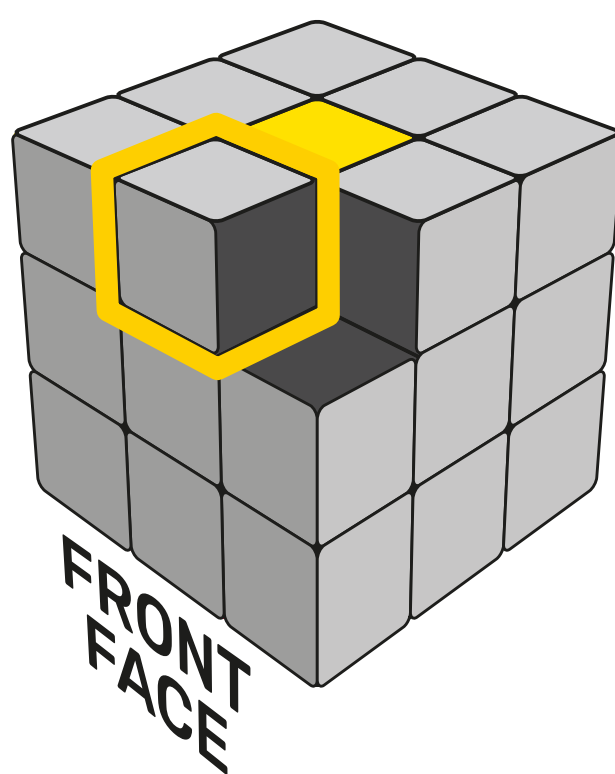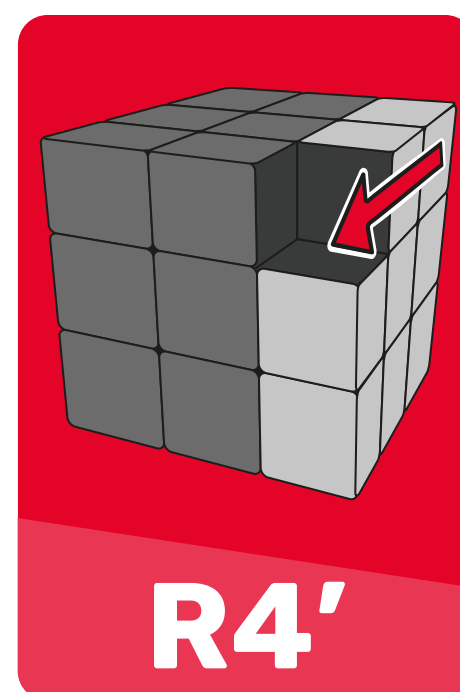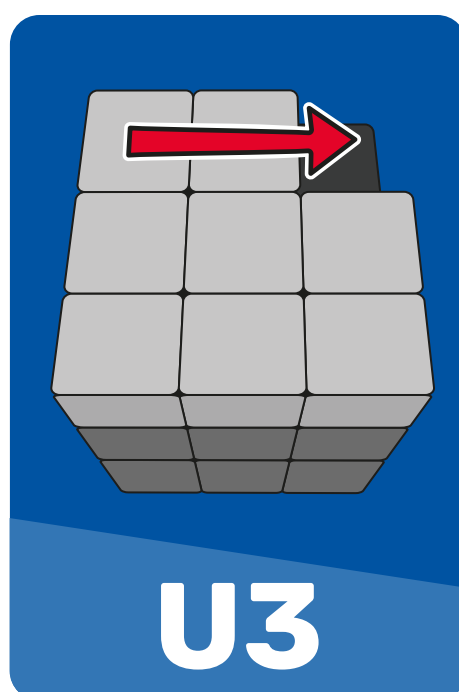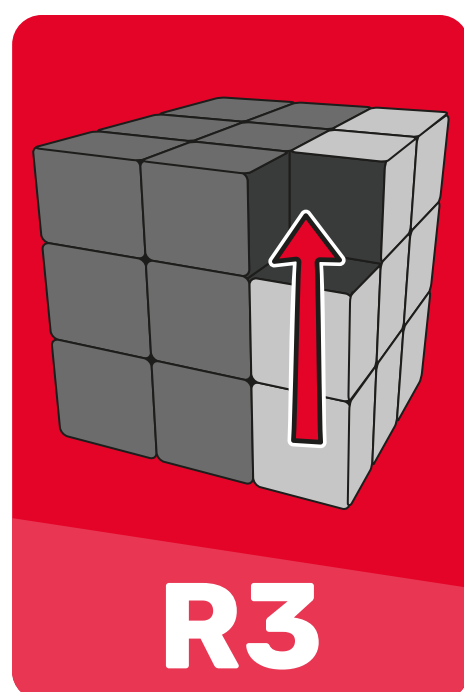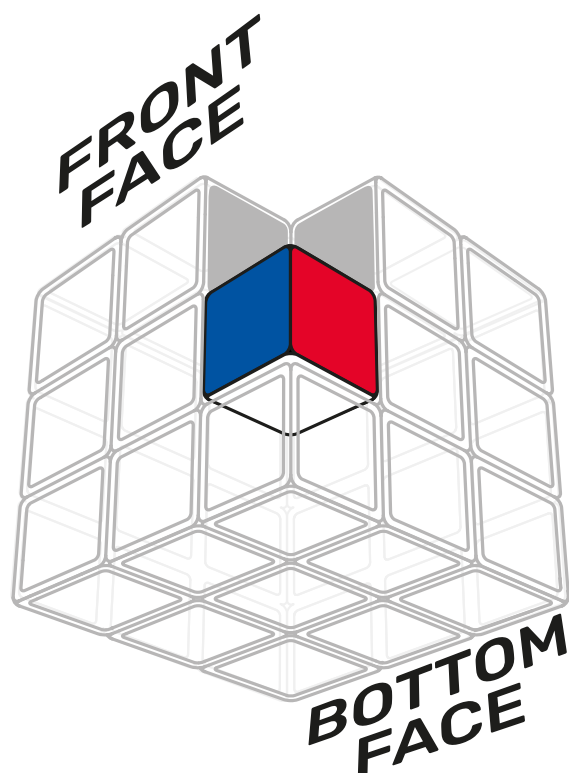

FRONT FACE

Action 3 Perform this algorithm.

FRONT FACE

BOTTOM FACE

R8	U3'	R7'
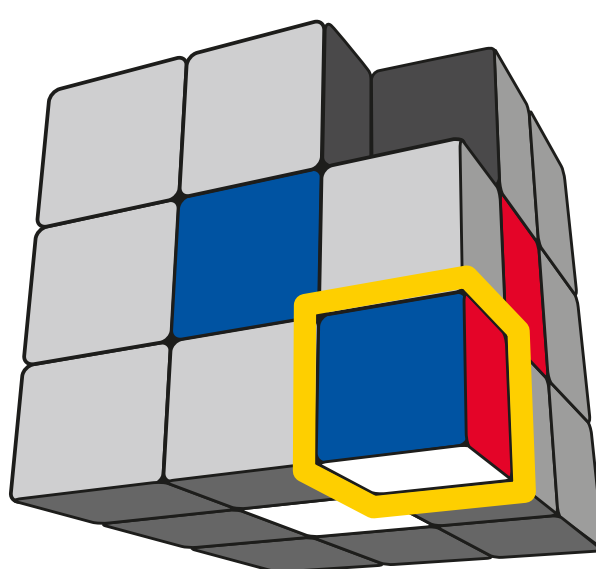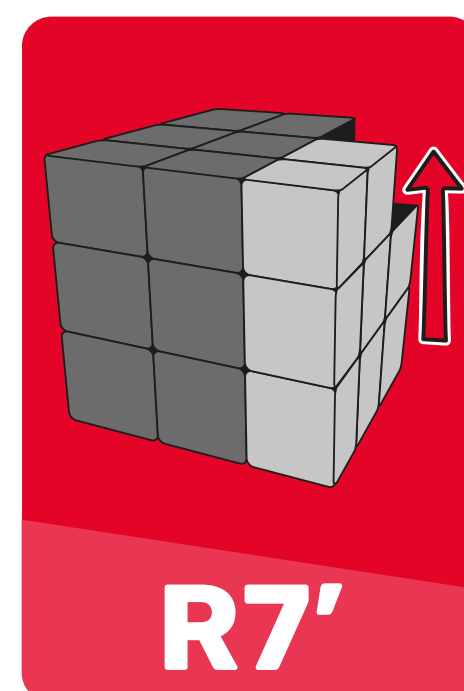
If you locate a **WHITE CORNER** in the **MIDDLE** layer, hold the Rubik's Slide with the **WHITE CORNER** piece on the **RIGHT** of the **FRONT** face.

R3

U3

R4'

FRONT FACE

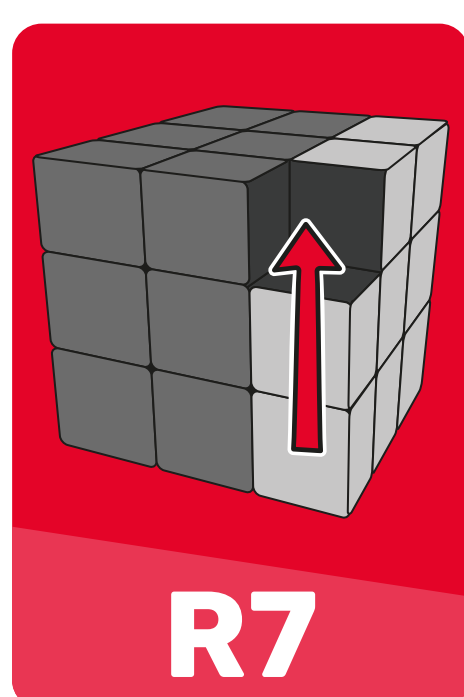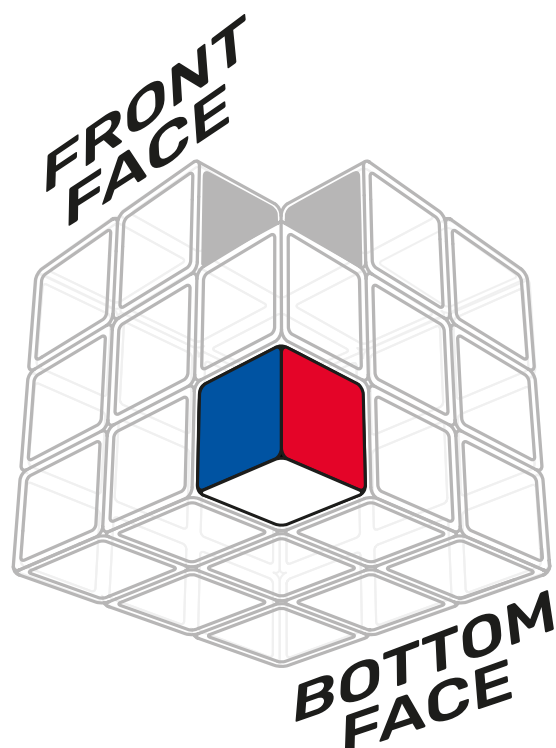Now complete the **Action 2** to correctly position the **WHITE CORNER**.

If you locate a **WHITE CORNER** in the **BOTTOM** layer, hold the Rubik's Slide with the **WHITE CORNER** piece on the **RIGHT** of the **FRONT** face.
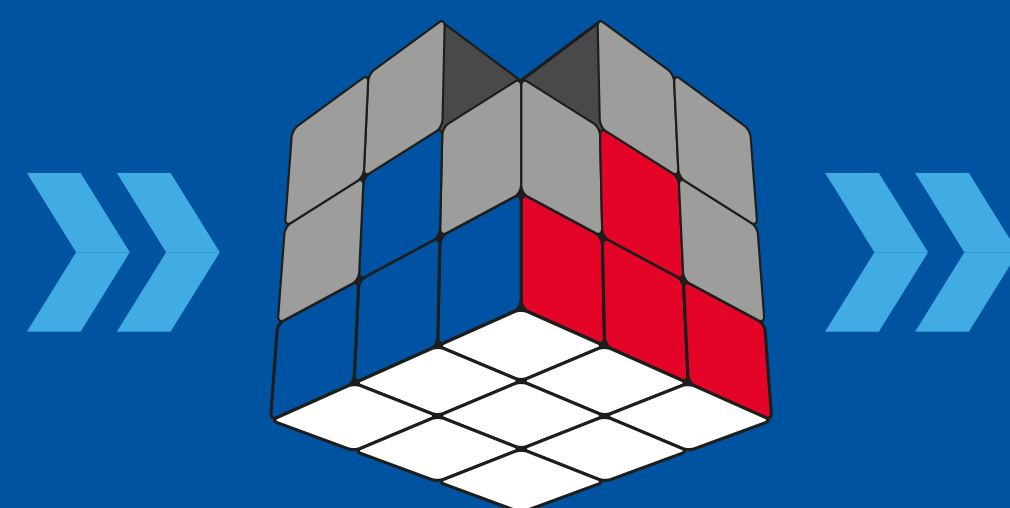

FRONT FACE

BOTTOM FACE

R7

U4

R7'

FRONT FACE
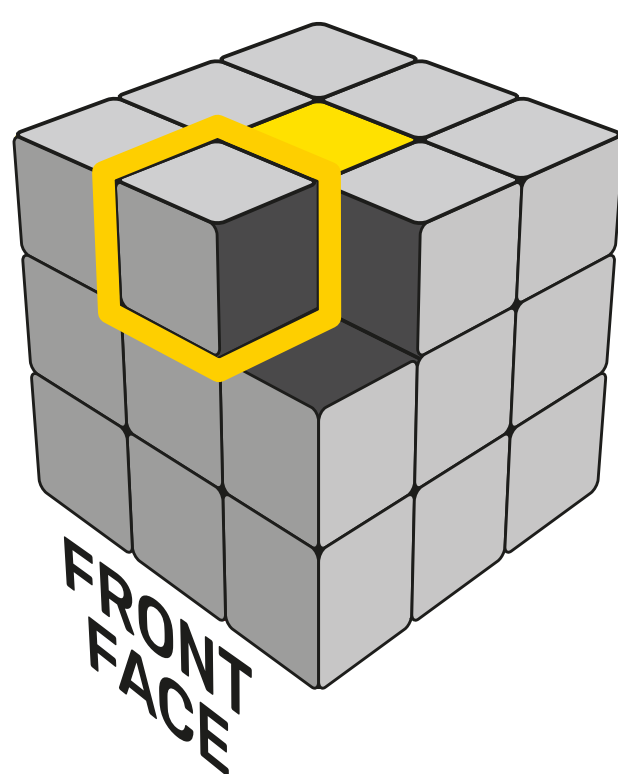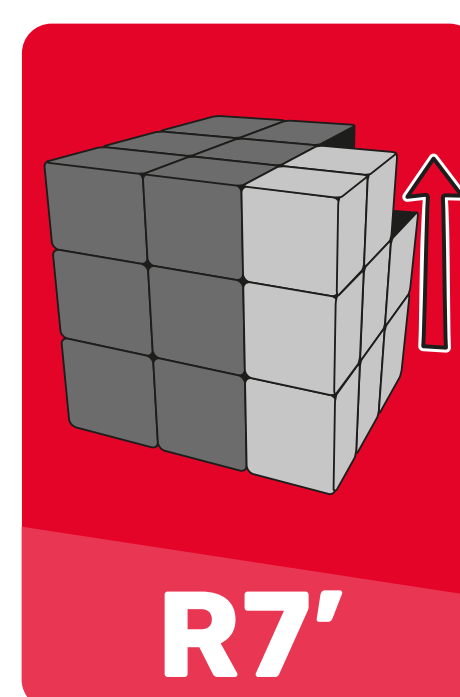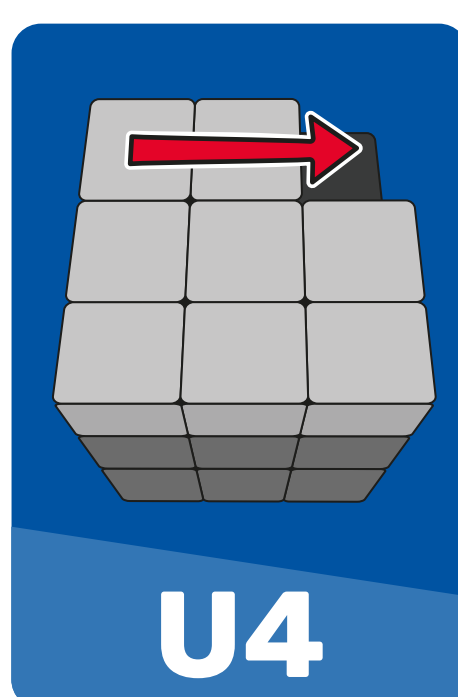
Now complete the **Action 2** to correctly position the **WHITE CORNER**.
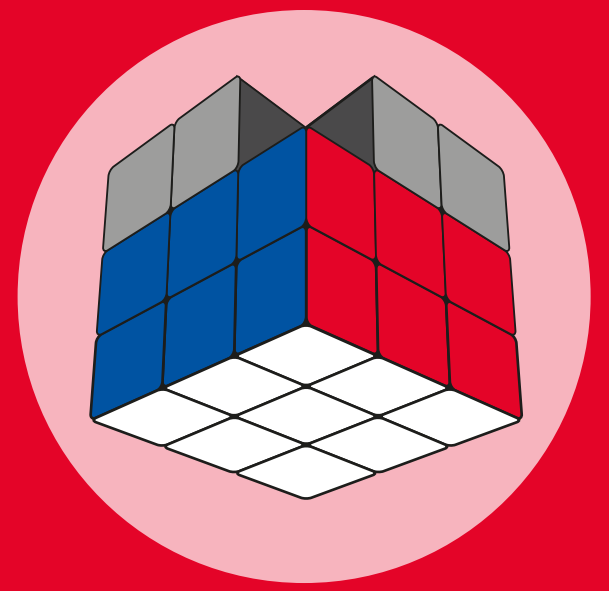
Action 5

Repeat **Action 2 - 4** for each **WHITE CORNER**.

When your Rubik's Slide has a complete white layer with the center and edge pieces matched, like this picture, you can move to Step 3!
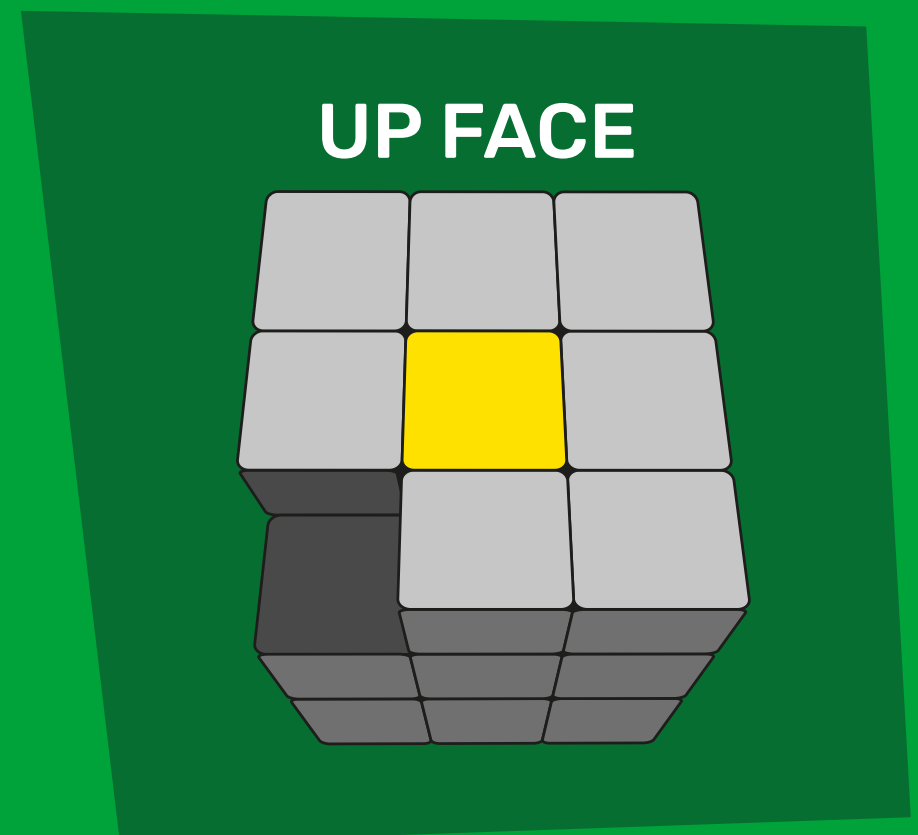
STEP 3: SOLVE THE MIDDLE LAYER EDGES

HOLDING YOUR RUBIK'S SLIDE
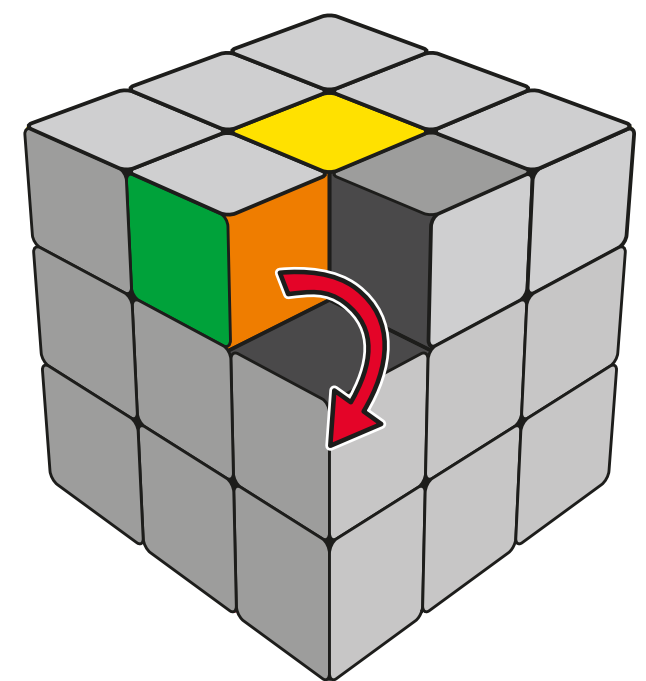
Begin by holding your Rubik's Slide with the **YELLOW CENTER** piece on the **UP (U)** face.
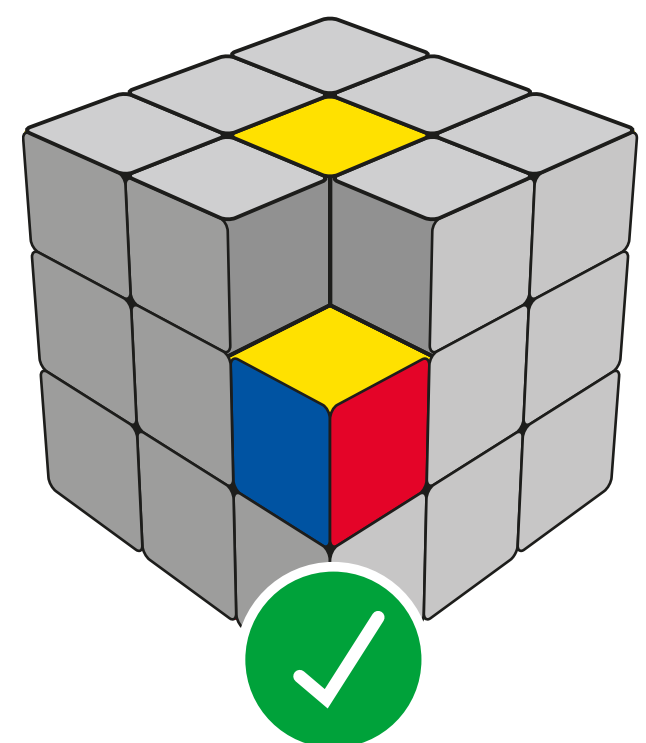
UP FACE

Action 1

Locate an **EDGE** piece on the **YELLOW** side that belongs in the **MIDDLE** layer. These pieces will have only two colors, and neither of which will be **YELLOW**. If there are **NO** edge pieces on the **YELLOW** side go to **Action 3**

The one exception is the **BLUE-RED EDGE** piece because of the three identical **BLUE-RED-YELLOW** pieces.
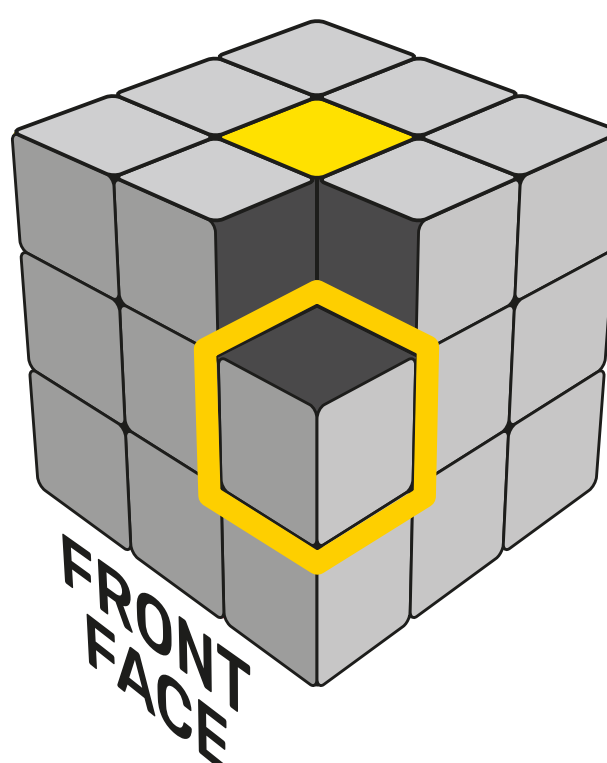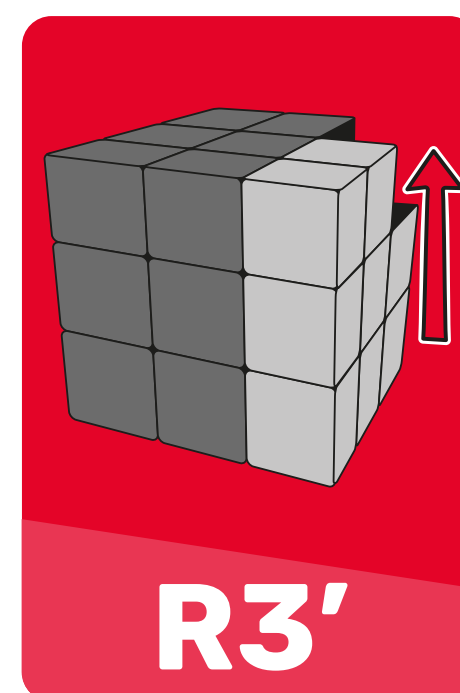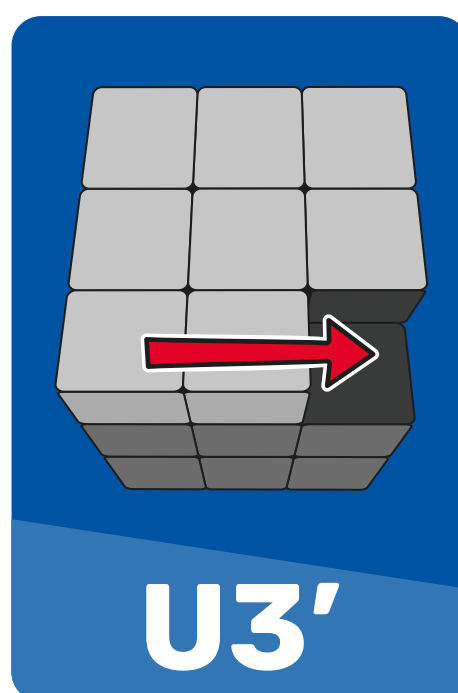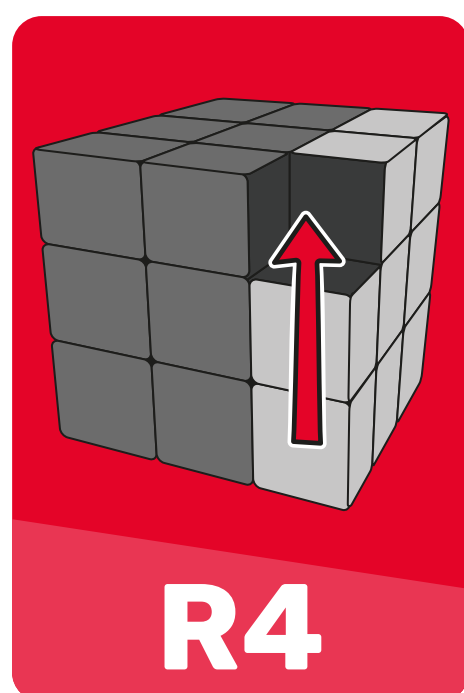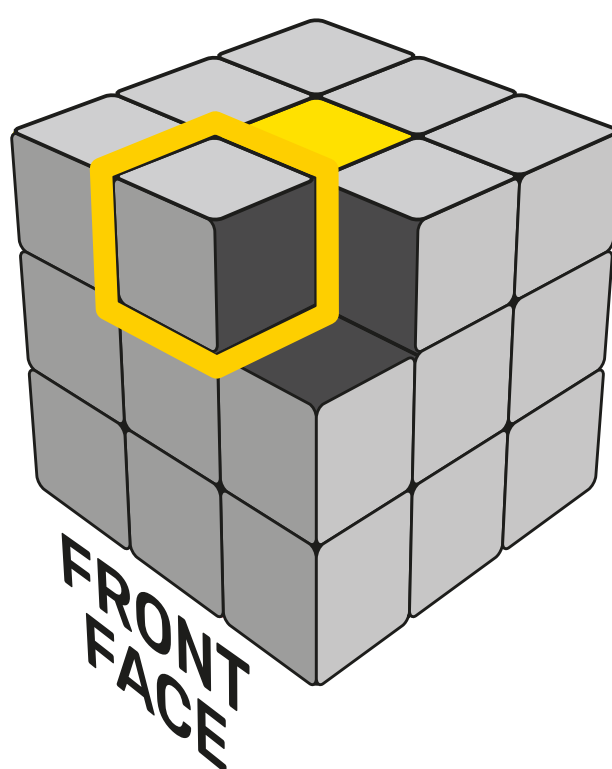
Cycle the **UP (U)** side until the **FRONT** color of the **EDGE** piece matches the **CENTER** color on the **FRONT (F)** side.

The **EDGE** piece should now have one color matching the **FRONT** center, and the other color faces the **RIGHT** side of the cube.
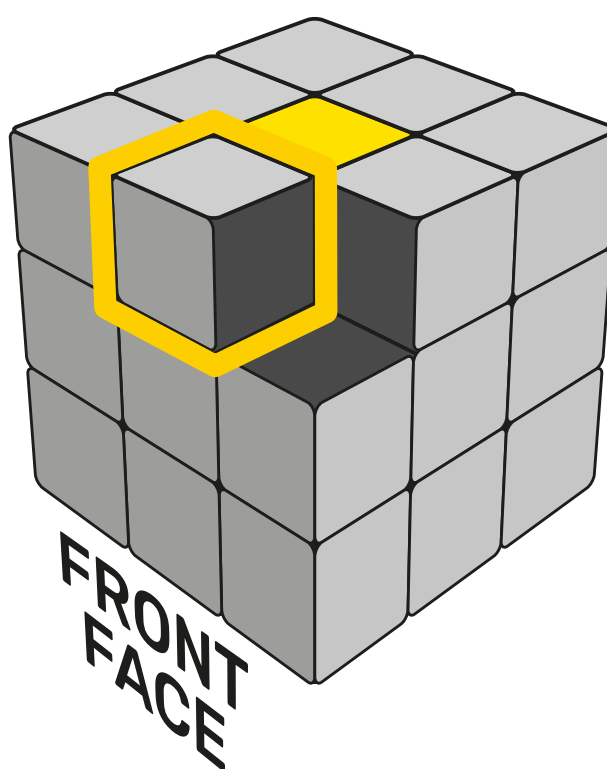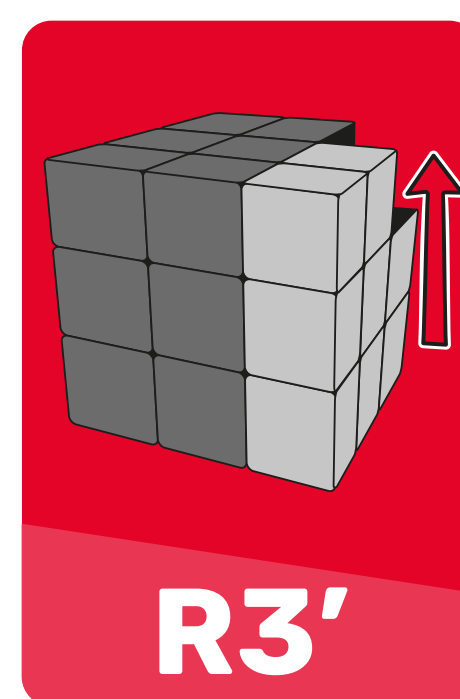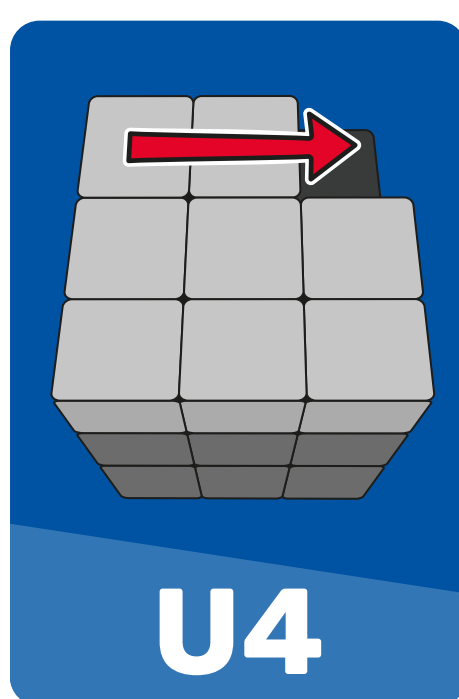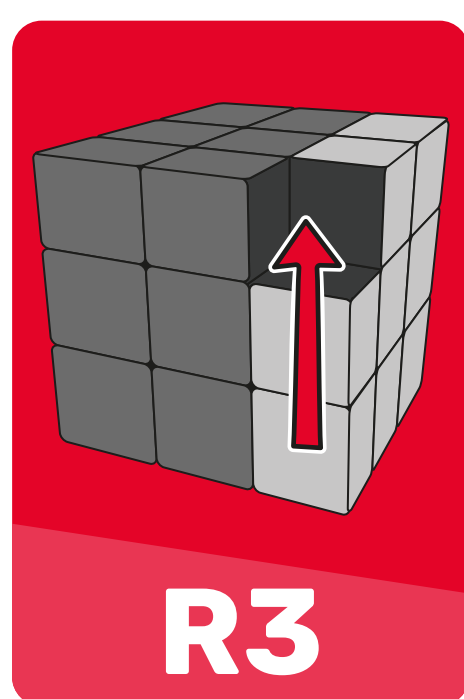

FRONT FACE

Then perform the algorithm.

FRONT FACE

R4

U3'

R3'
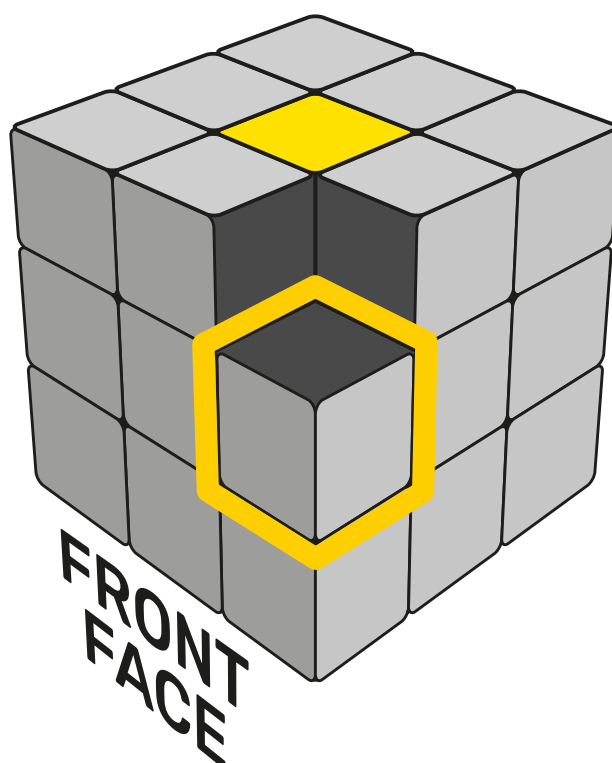

FRONT FACE
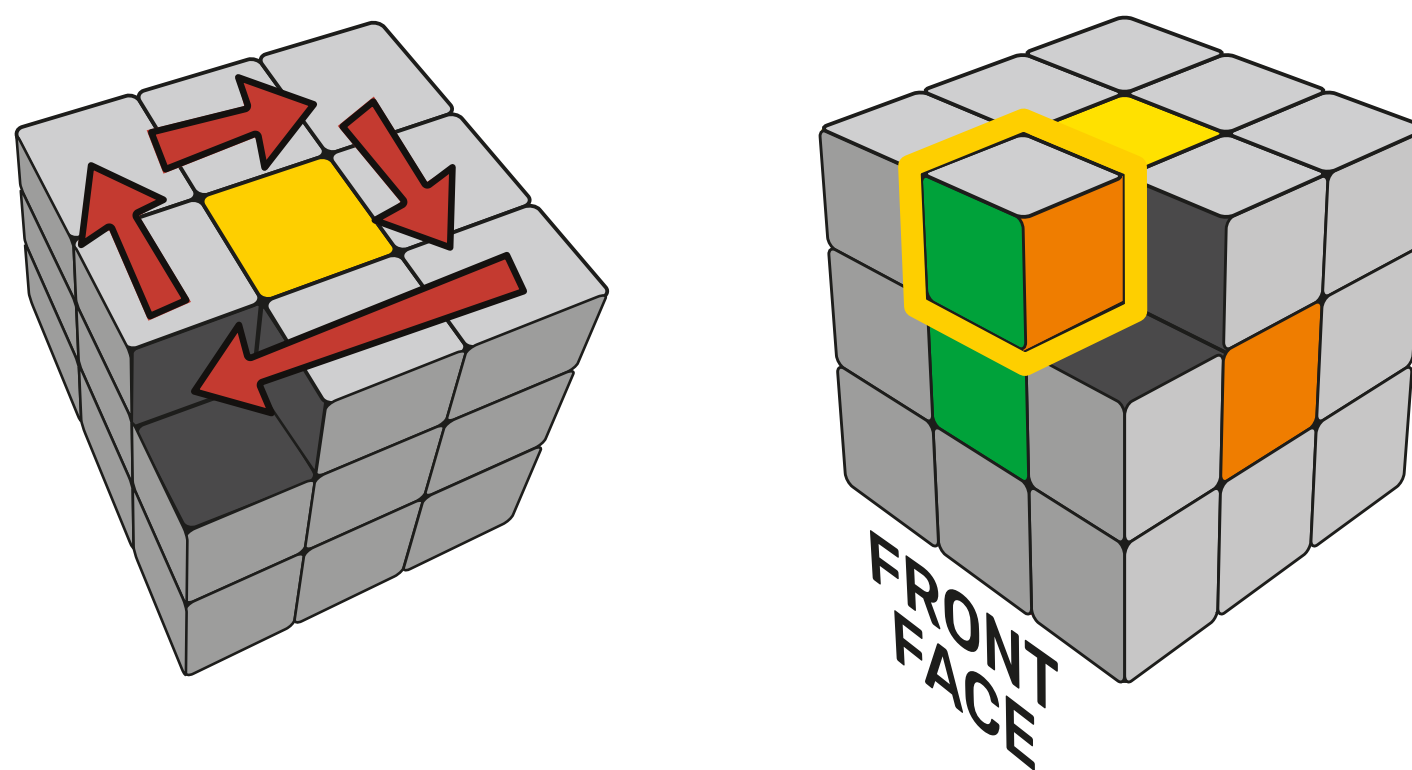
If you locate a **MIDDLE** layer **EDGE** in the **MIDDLE** layer, but in the wrong position, perform the following algorithm to bring it to the **TOP** layer.
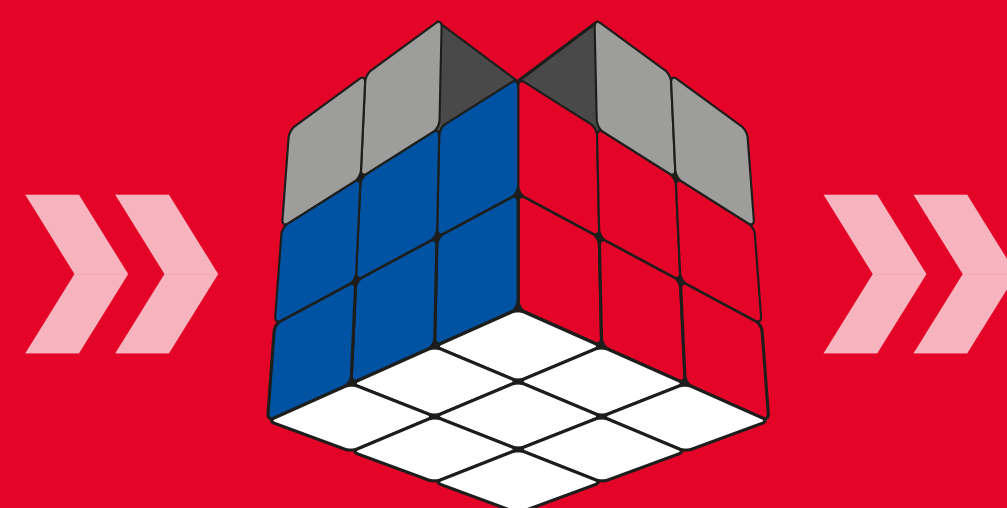
FRONT FACE

R3 **U4** **R3'**

FRONT FACE

Now complete **Action 2** to correctly position the **MIDDLE** layer **EDGE** piece.
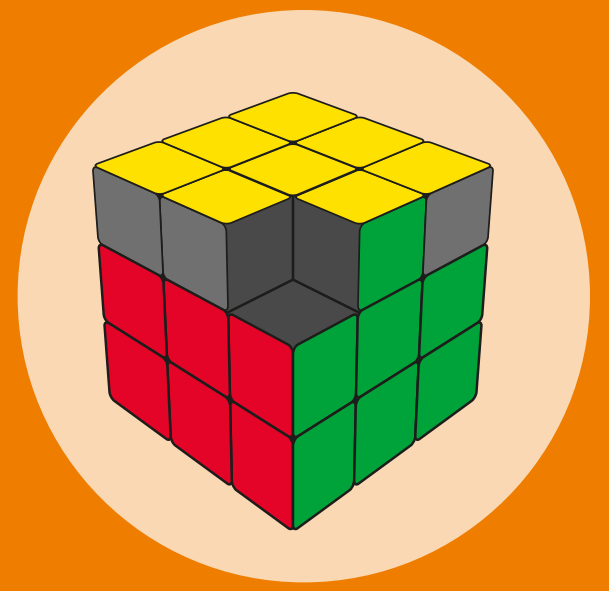
Action 4

Repeat until all **MIDDLE** Layer **EDGES** are solved.

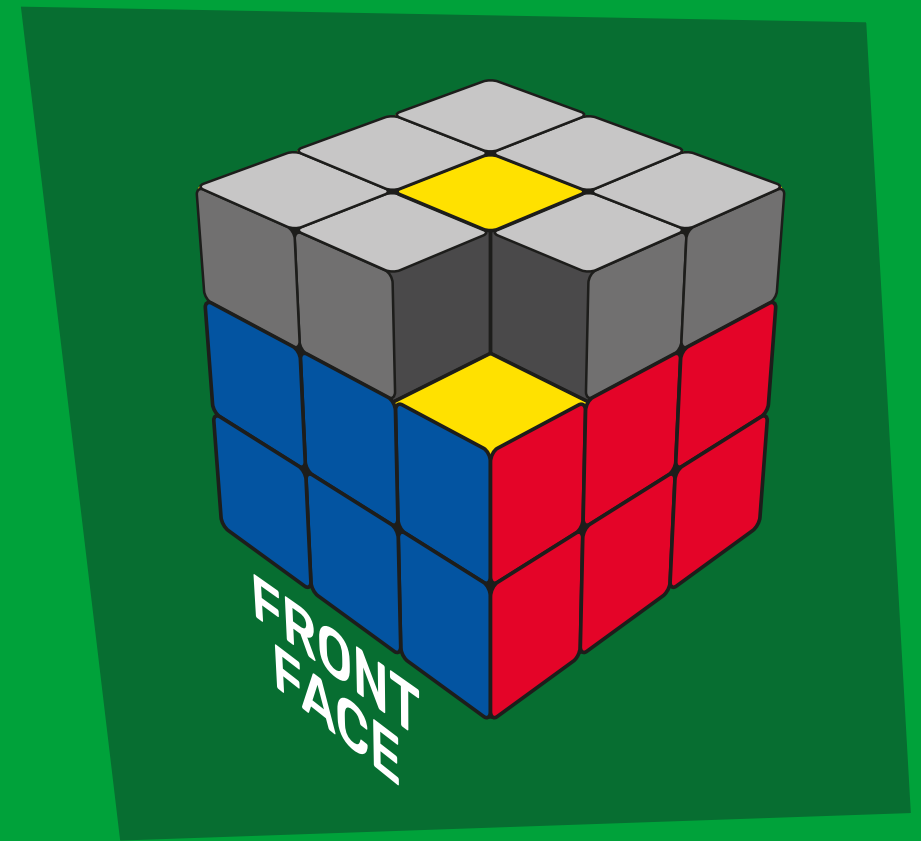When the two bottom layers of your Rubik's Slide look like this picture, you can move to Step 4!
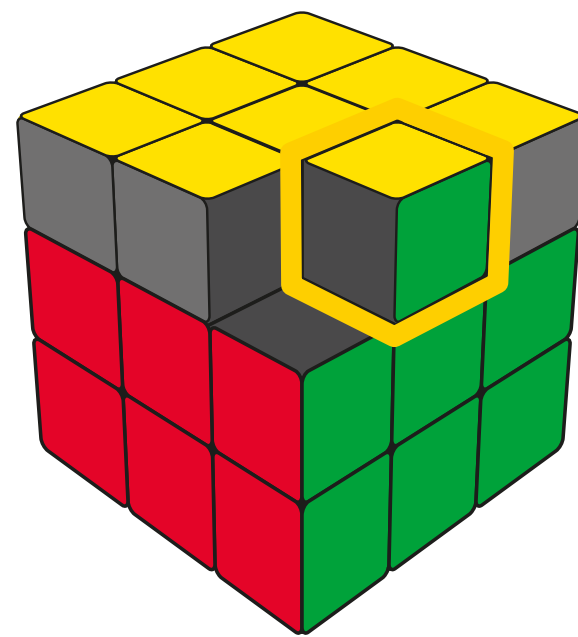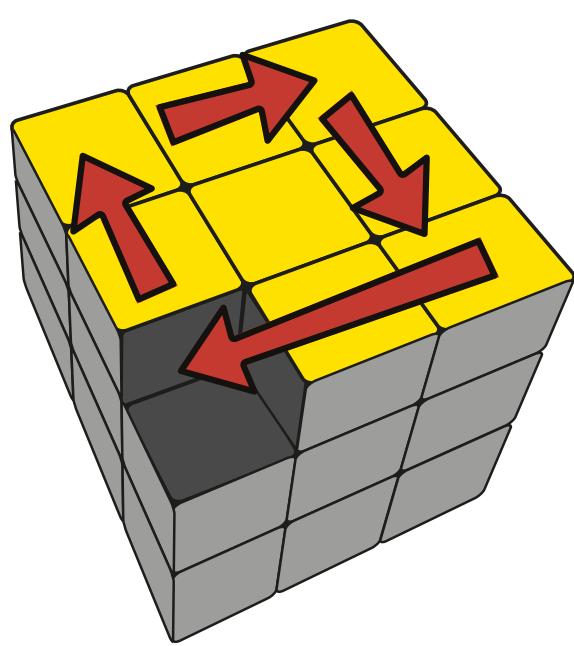
STEP 4: SOLVE THE YELLOW-GREEN EDGE PIECE

HOLDING YOUR RUBIK'S SLIDE

From this point onward, hold the Slide with Yellow on top, Blue in the front, and Red on the right.
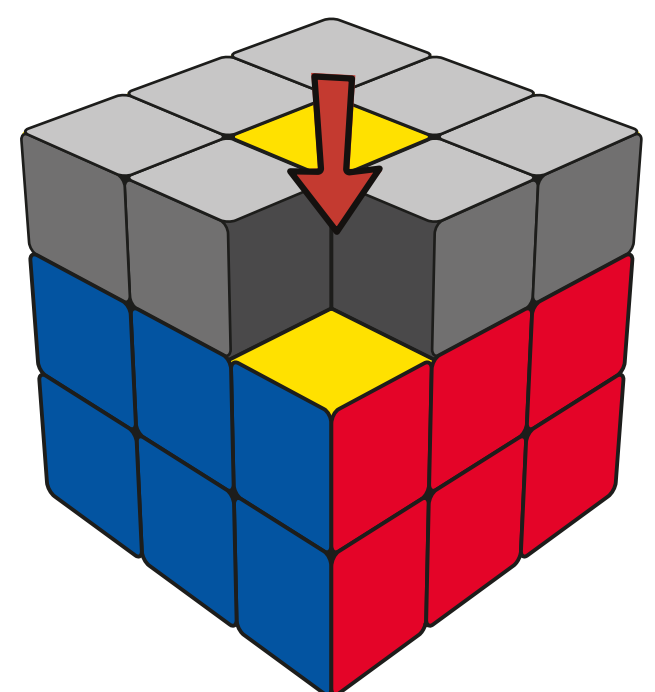

FRONT FACE

Action Solving the Yellow-Green Edge piece

Cycle the **YELLOW** layer pieces until the **YELLOW-GREEN EDGE** piece is solved. This piece will become our **REFERENCE** piece.
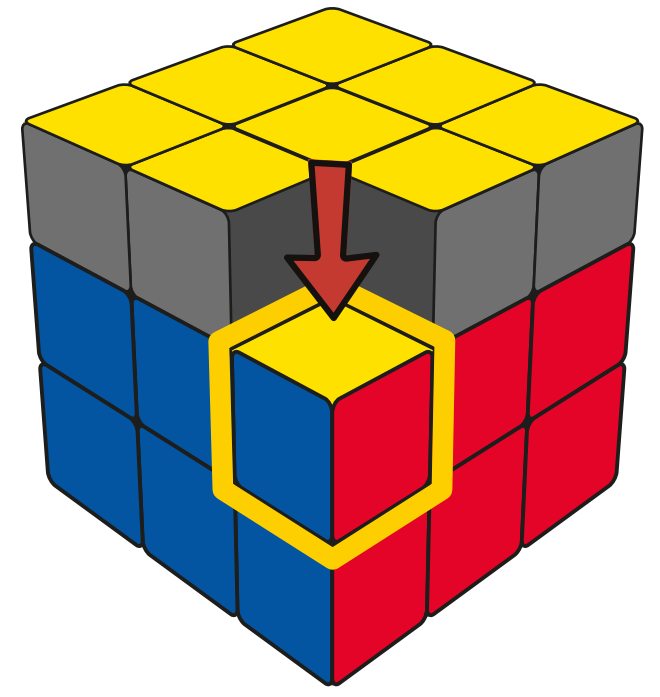

We will finish the Rubik's Slide by solving one piece at a time.
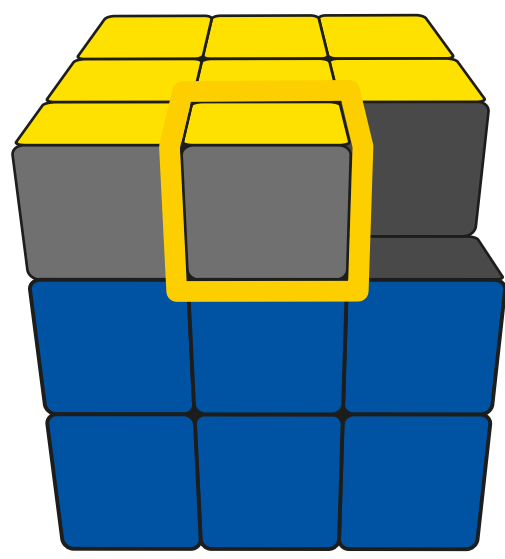
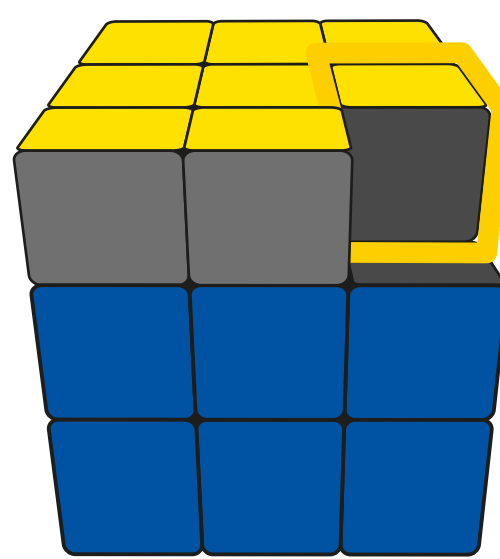Start each move with your slide spot above the **YELLOW-RED-BLUE CORNER** spot.

The remaining steps require placing the piece you will be solving in the **BLUE-RED EDGE** position, before then replacing it back into it's correct position.

We will do this by placing the piece you are solving either **LEFT** or **RIGHT** of the slide spot.
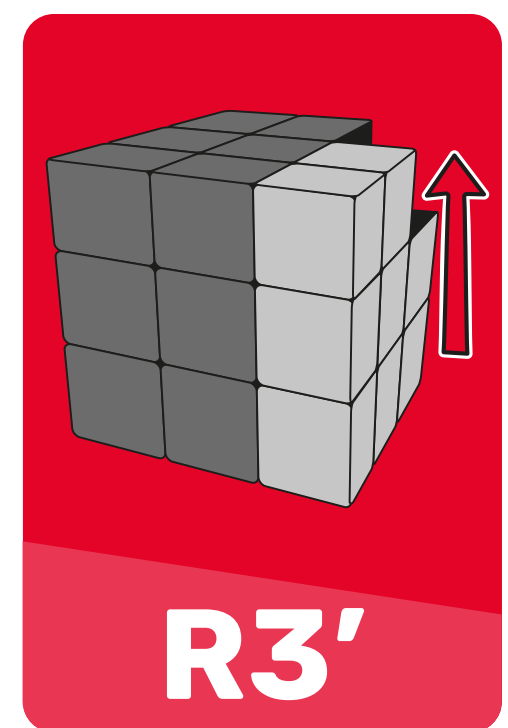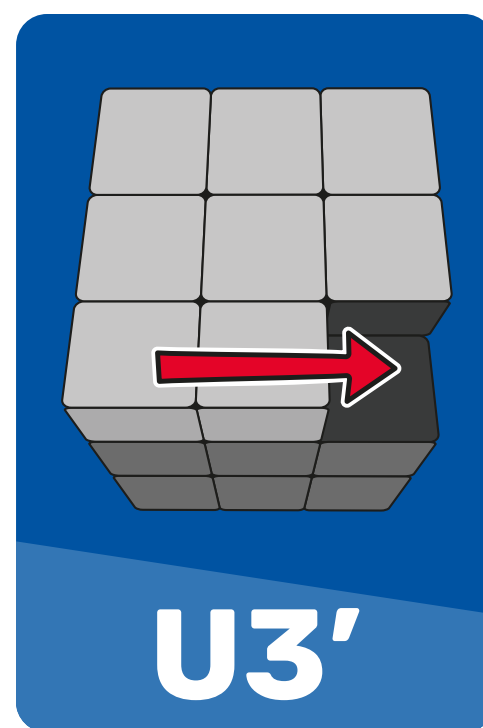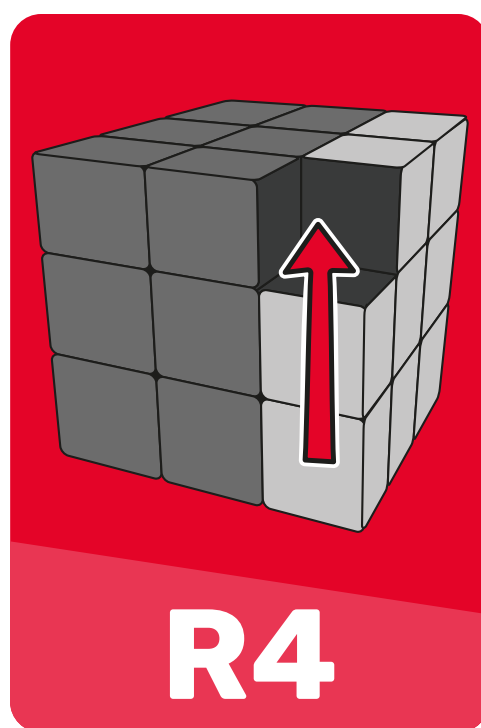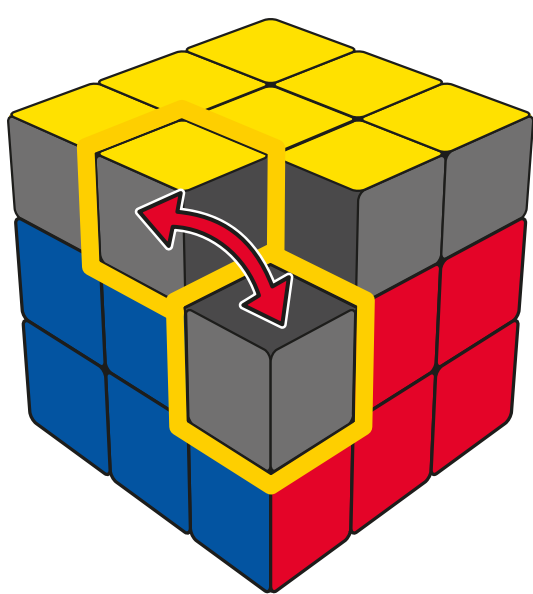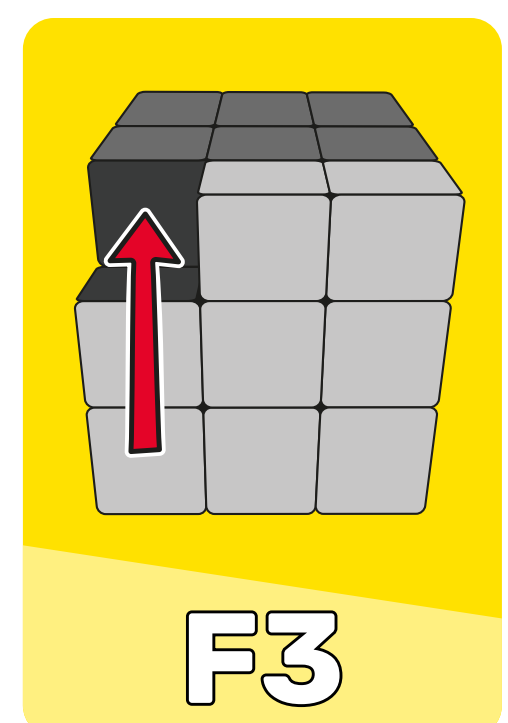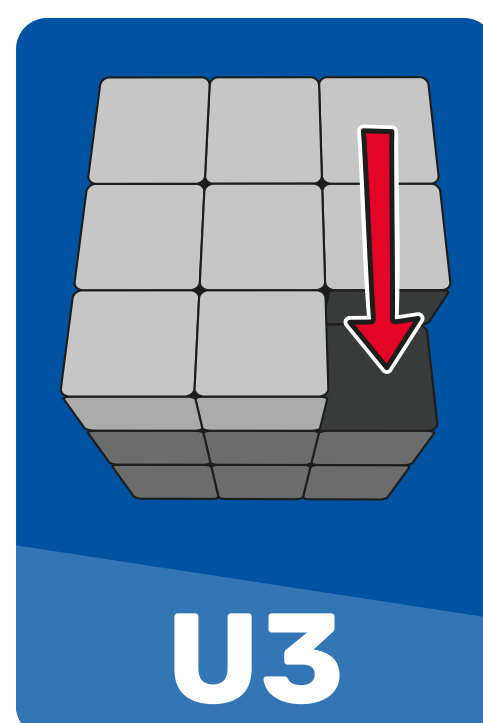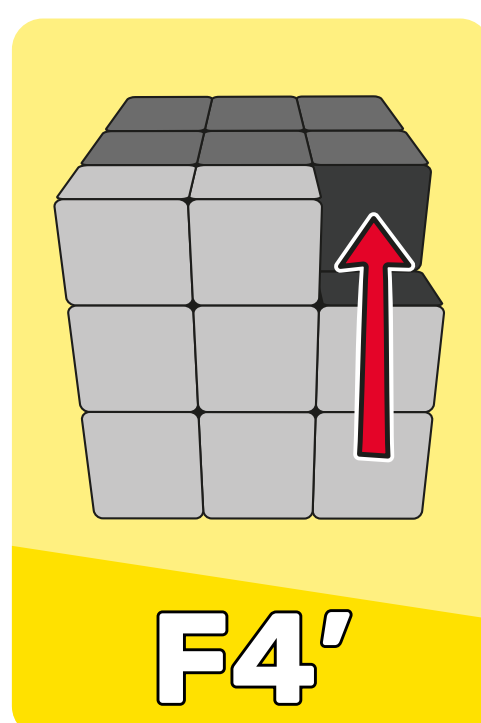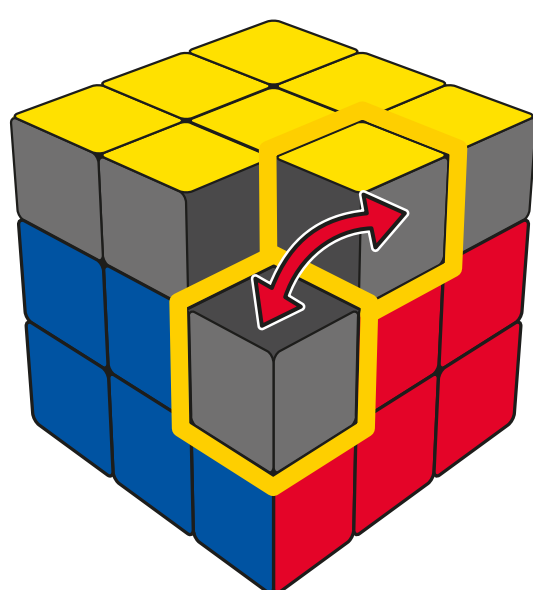
Left of the Slide Spot

Right of the Slide Spot

We will then perform the algorithm that will swap the pieces around depending on the position of the piece you are trying to solve.
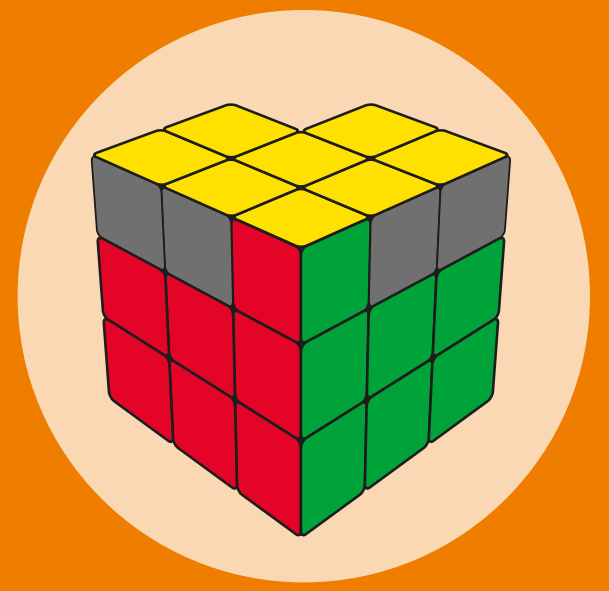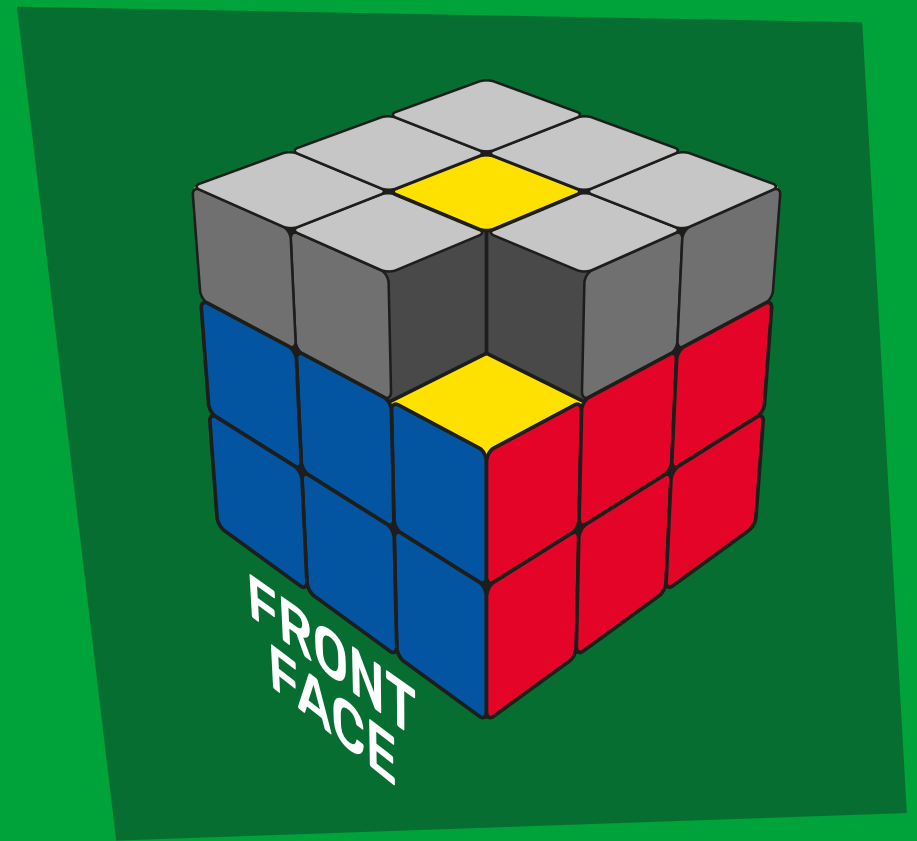
Algorithm A

R4   U3'   R3'

Algorithm B

F4'   U3   F3

STEP 5: SOLVE THE YELLOW-GREEN-RED CORNER PIECE
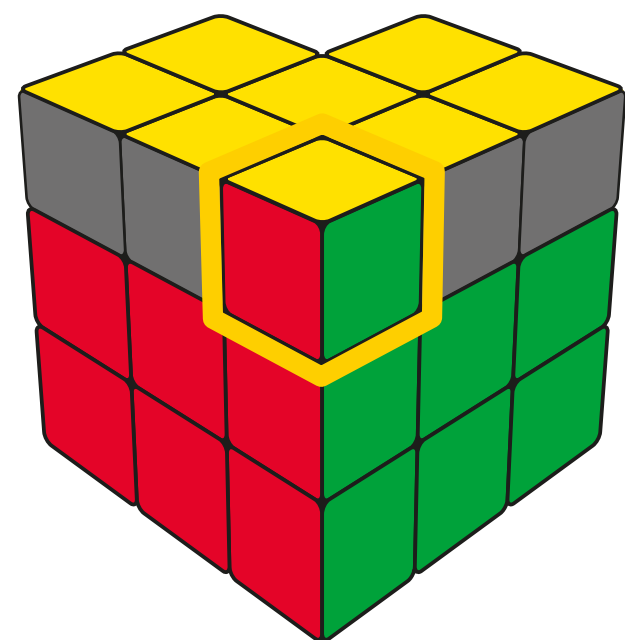
HOLDING YOUR RUBIK'S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.
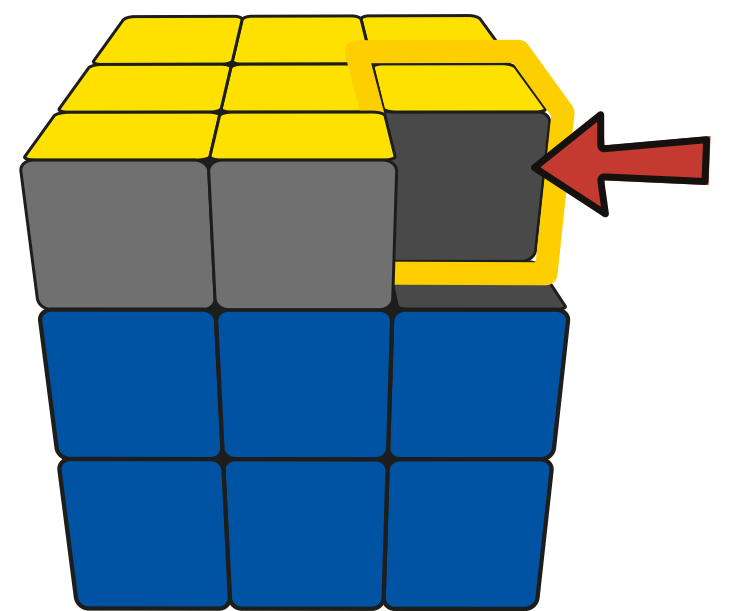
FRONT FACE

Locate the **YELLOW-GREEN-RED CORNER** piece on your **TOP YELLOW** layer. If the piece is already solved then move to **Step 6**
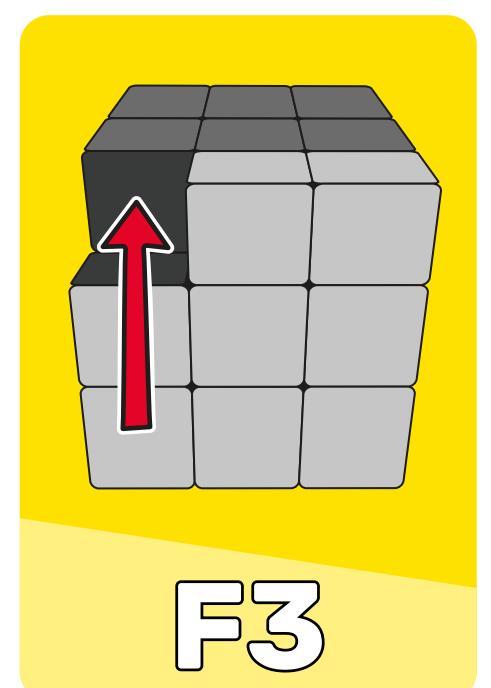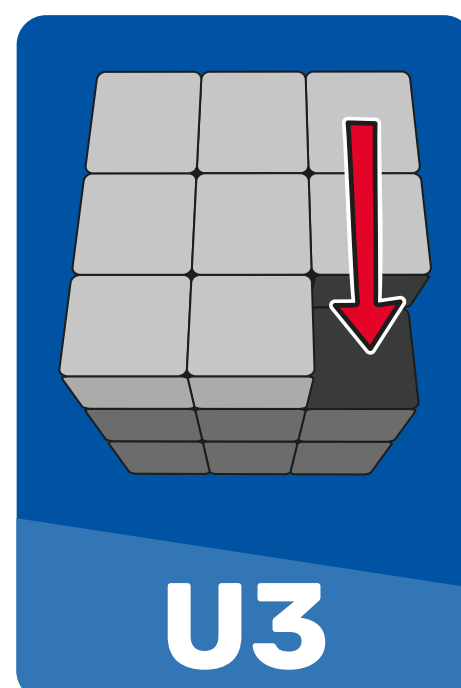
Action 1 **RIGHT Move**
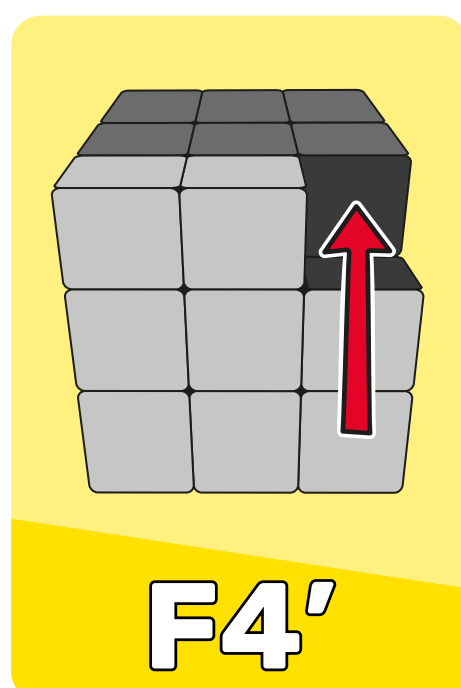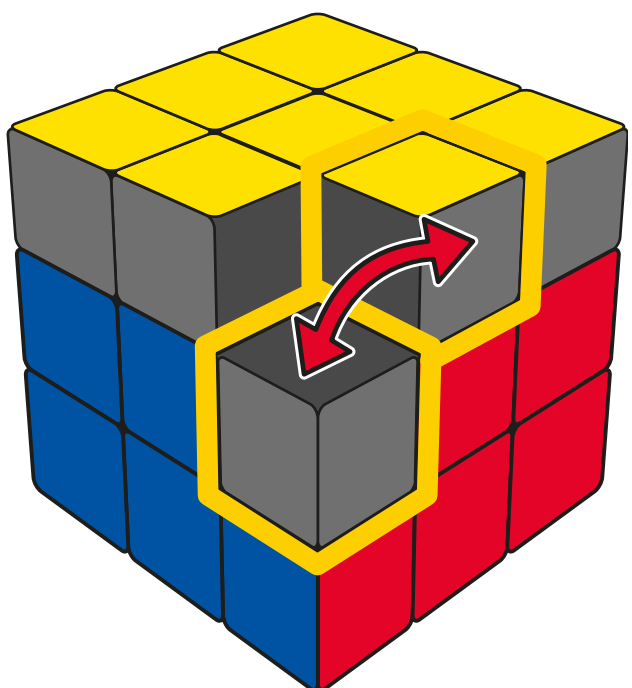
If the **YELLOW-GREEN-RED CORNER** occupies the **UP-RIGHT** edge position:

Perform **Algorithm B**

F4' **U3** **F3**

After positioning your piece go to **Action 2**

LEFT Move

If the piece occupies any of the **UP**-**LEFT** positions of the cube, cycle the **TOP** layer until the **YELLOW-GREEN-RED CORNER** piece is on the **UP-FRONT** of the Rubik's Slide.
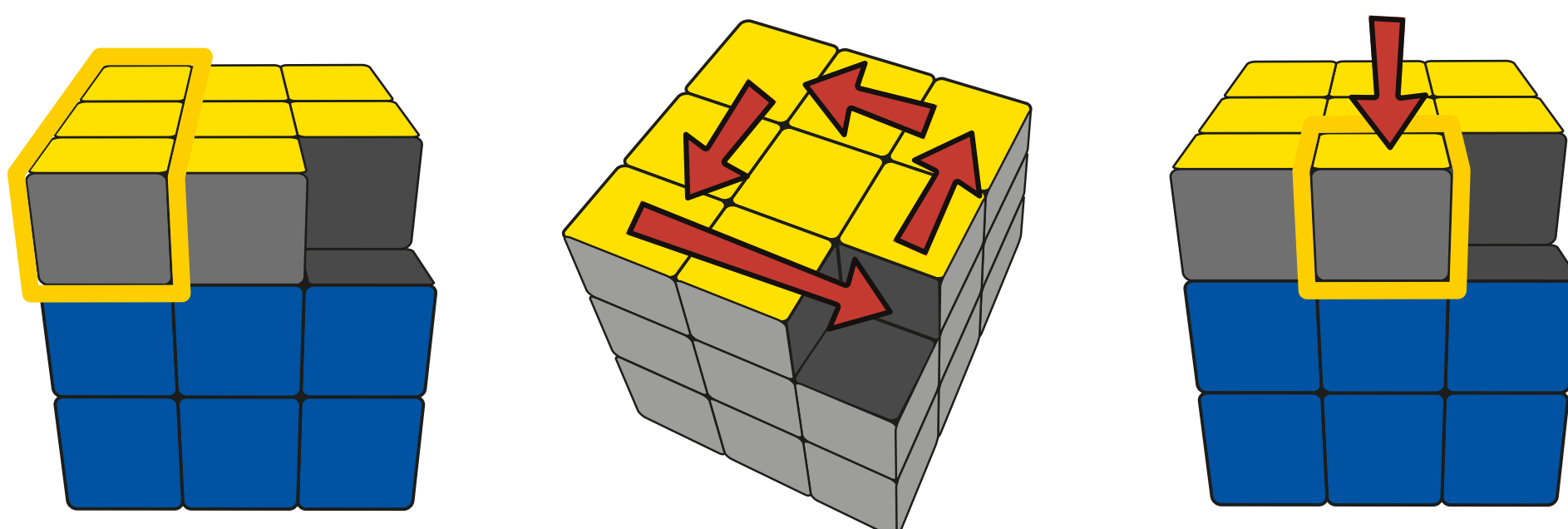
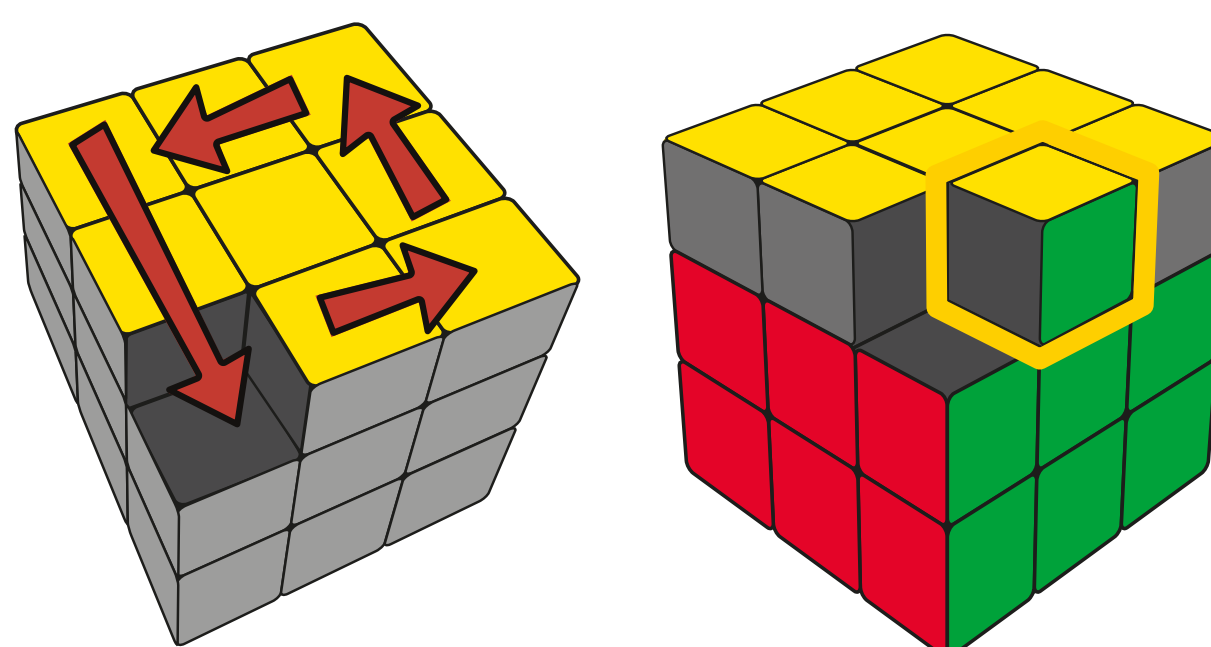## YOUR REFERENCE PIECE WILL MOVE AROUND.

Don't worry that your **YELLOW-GREEN EDGE REFERENCE** piece has now moved, we will be moving that back again later.

Perform **Algorithm A**
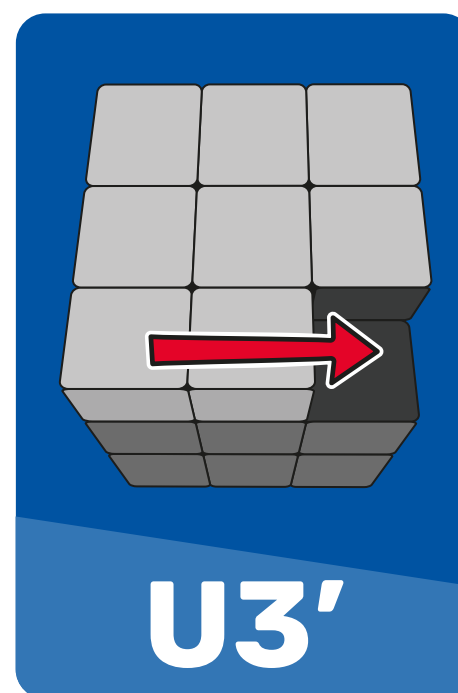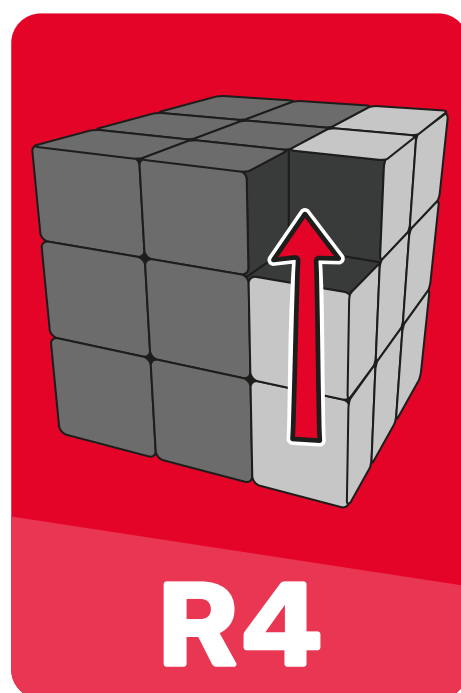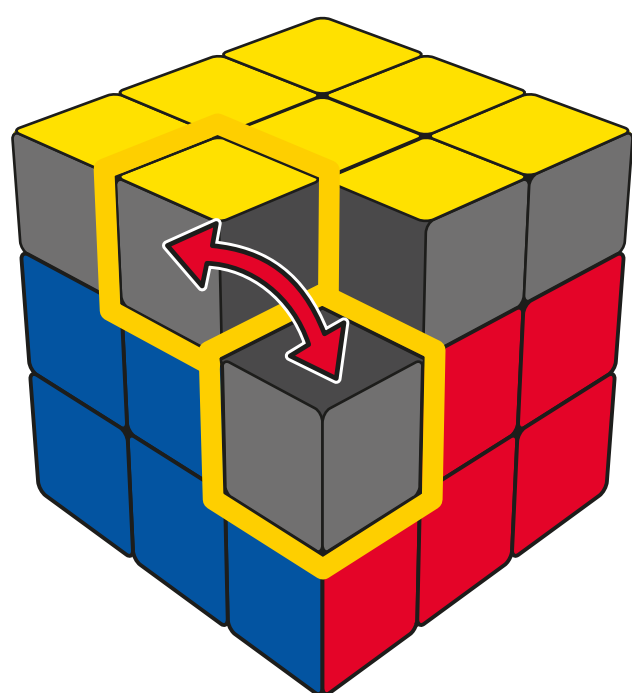
R4

U3'

R3'
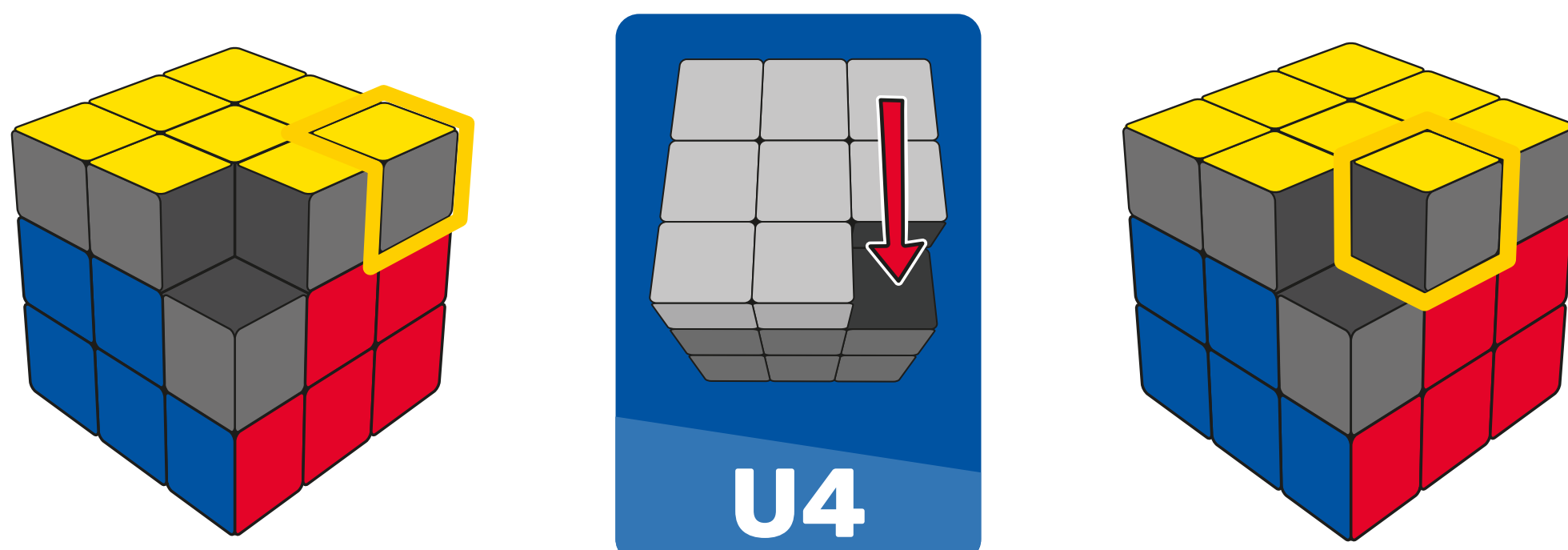
After positioning your piece go to **Action 2**
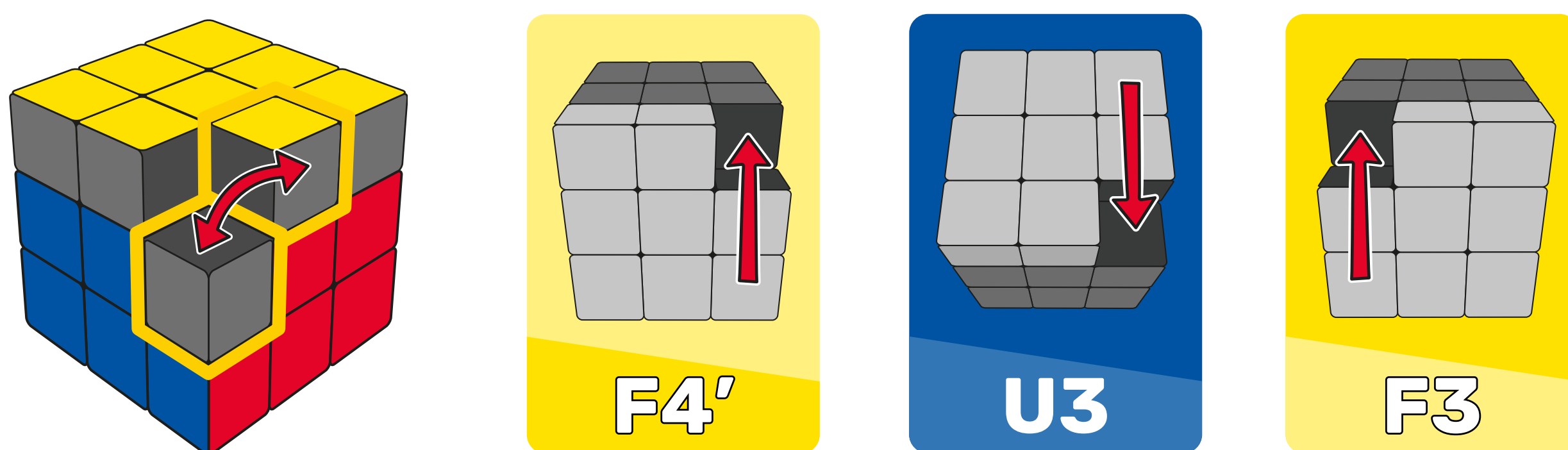
Action 2

Cycle the **YELLOW** layer to position the **REFERENCE** piece back in place. This is to ensure your previous work is still solved.
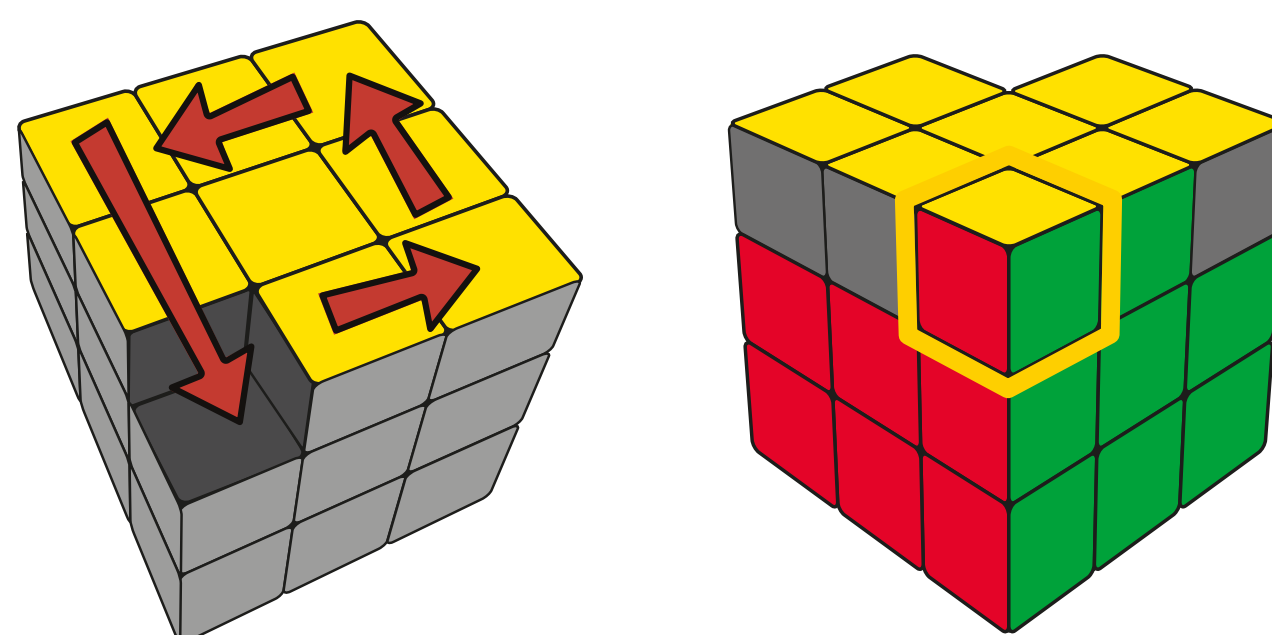
Then cycle the **YELLOW** layer to place the piece currently occupying the **YELLOW-GREEN-RED CORNER** spot into the **UP-RIGHT** side of the Rubik's Slide .
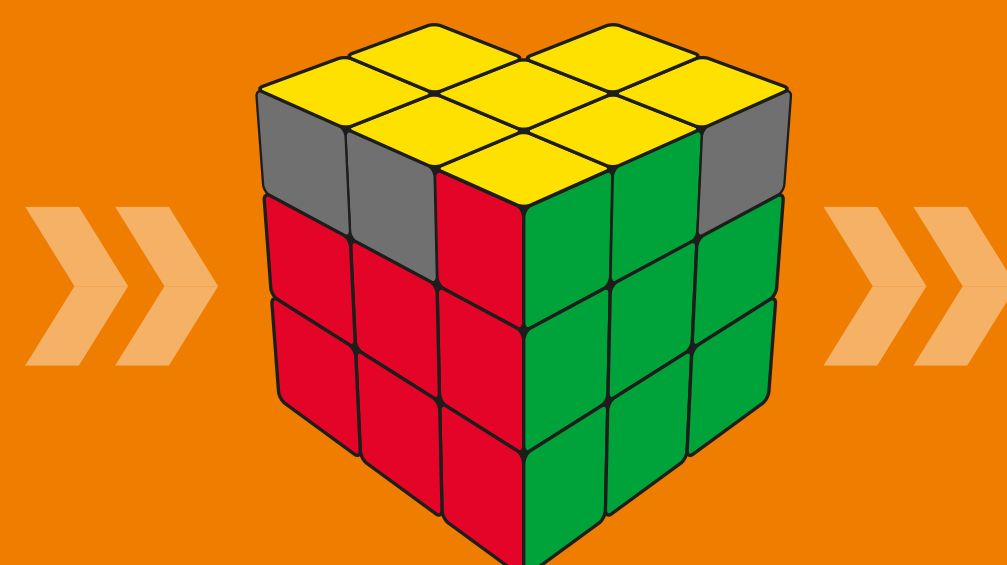

U4

Perform **Algorithm B**

F4' **U3** **F3**

Finish by cycling the now solved **YELLOW-GREEN REFERENCE EDGE** piece and **YELLOW-GREEN-RED CORNER** piece back into place.
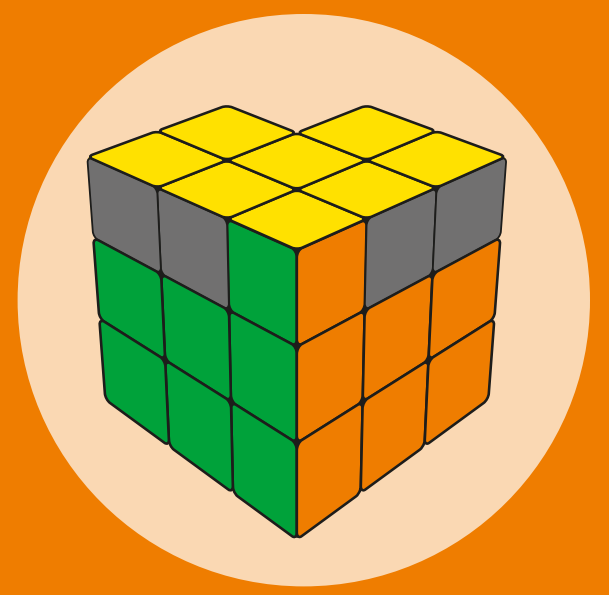

When your Rubik's Slide has the Yellow-Green-Red Corner matched, like this picture, you can move to Step 6!
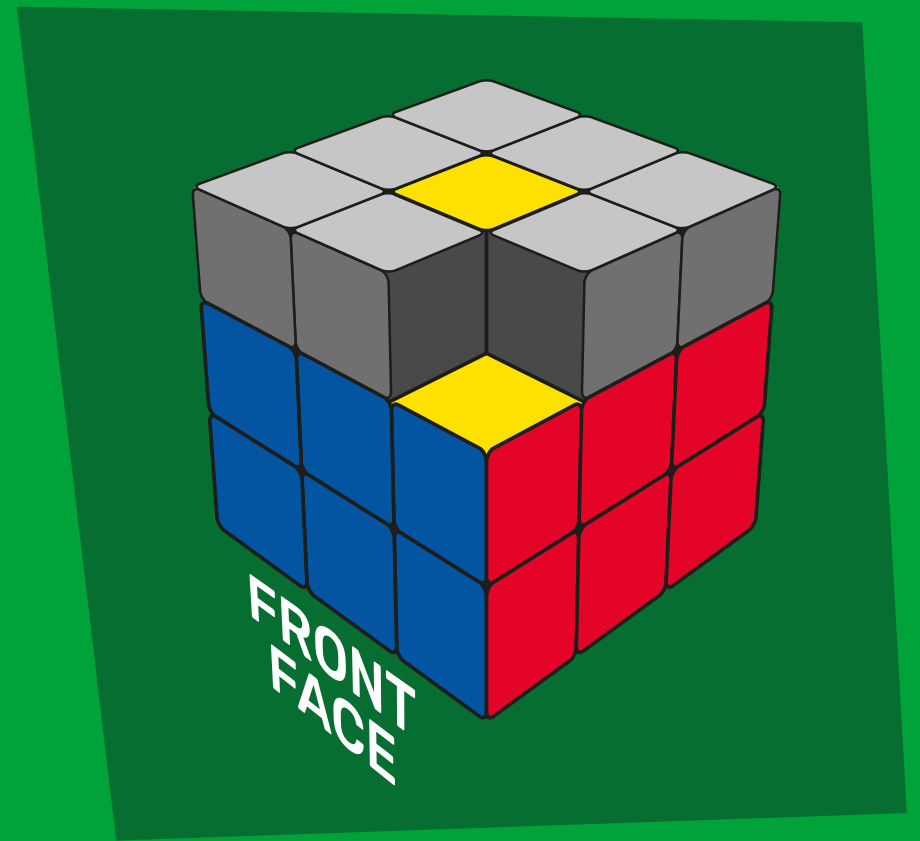
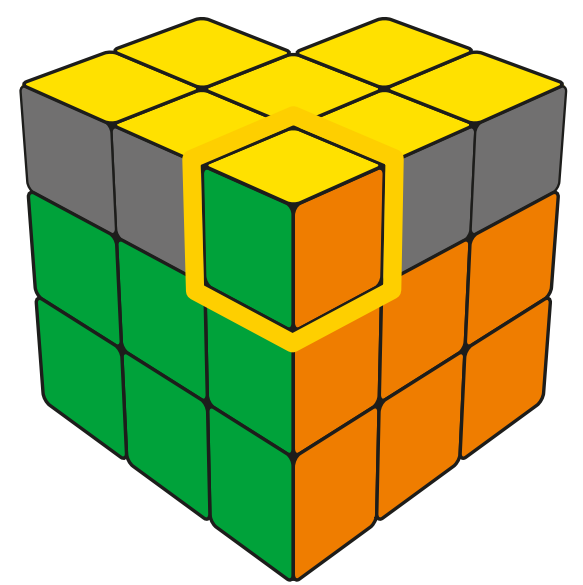# STEP 6: SOLVE THE YELLOW-ORANGE-GREEN CORNER PIECE
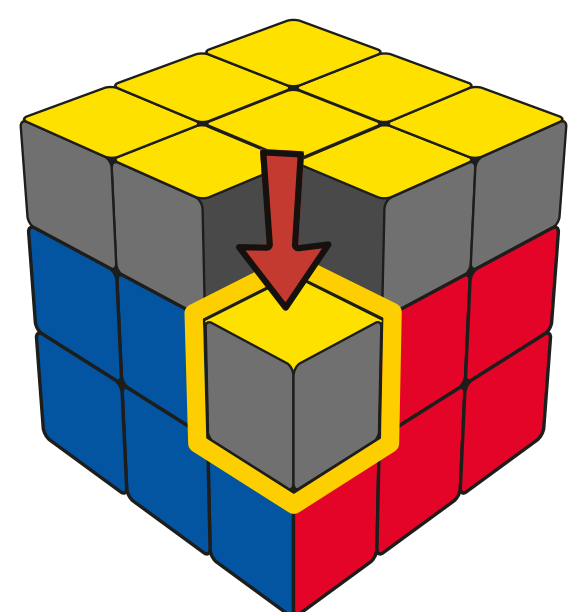
HOLDING YOUR RUBIK'S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

FRONT FACE

Locate the **YELLOW-ORANGE-GREEN CORNER** piece on your **TOP YELLOW** layer. If the piece is already solved then move to **Step 7**
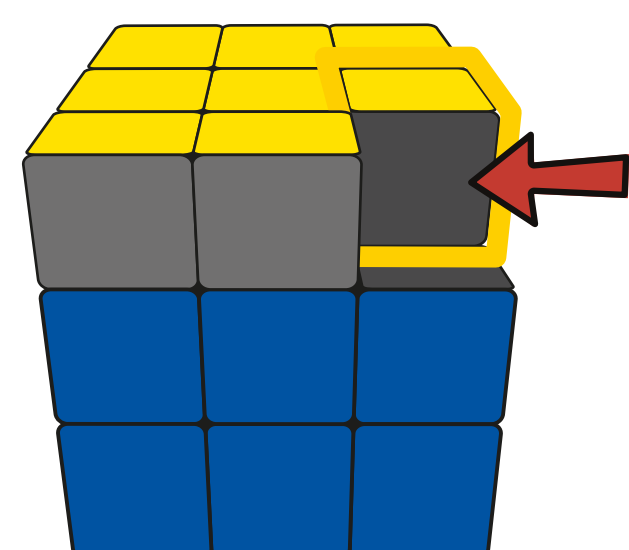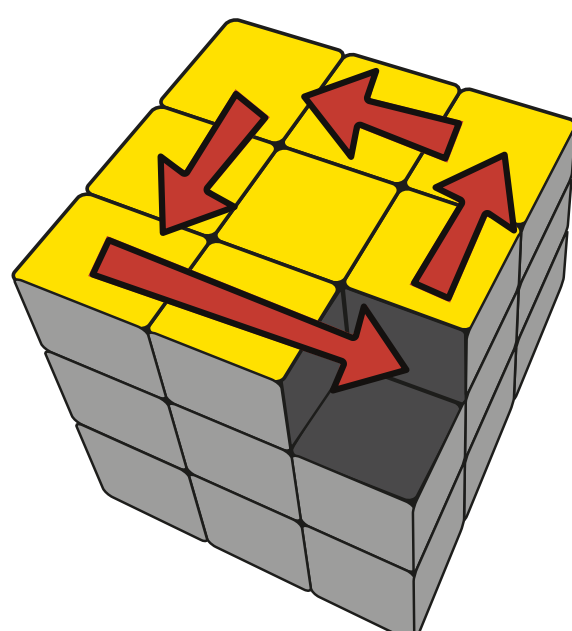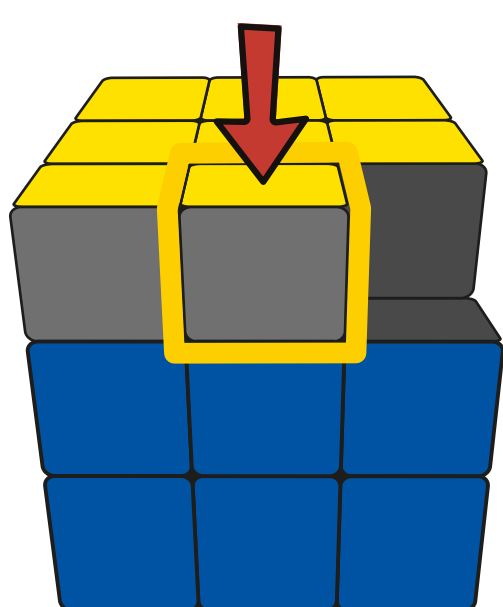
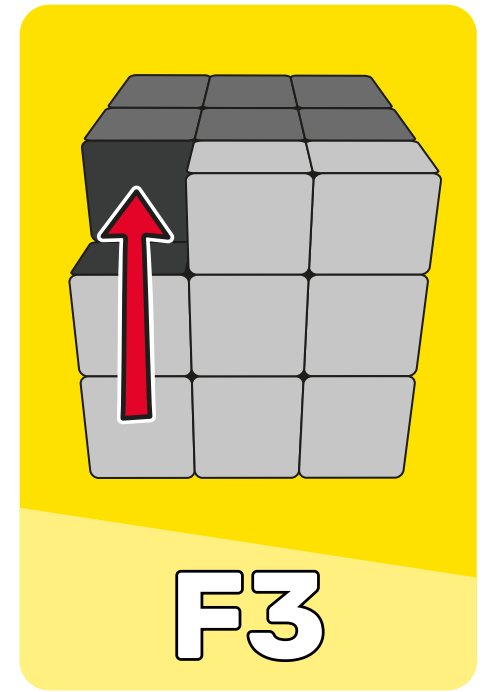If the **YELLOW-ORANGE-GREEN CORNER** piece is already in the **BLUE-RED EDGE** position go to **Action 2**
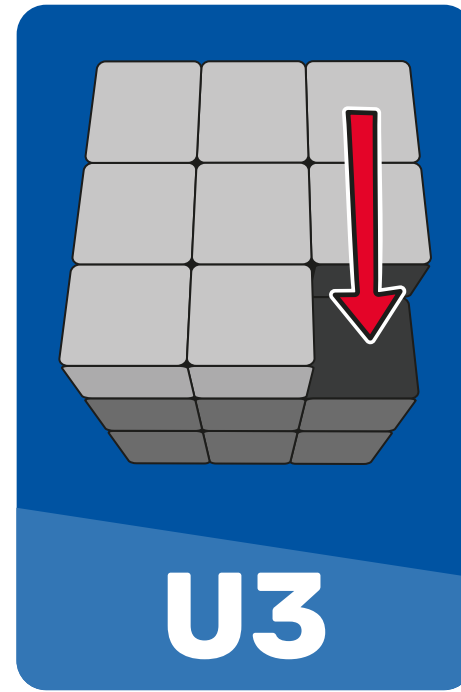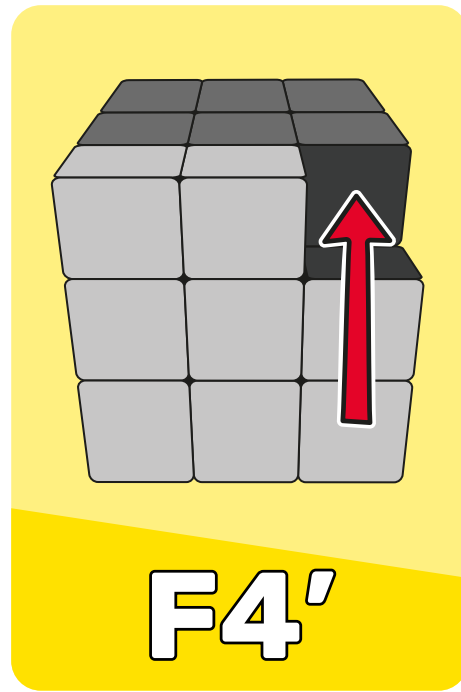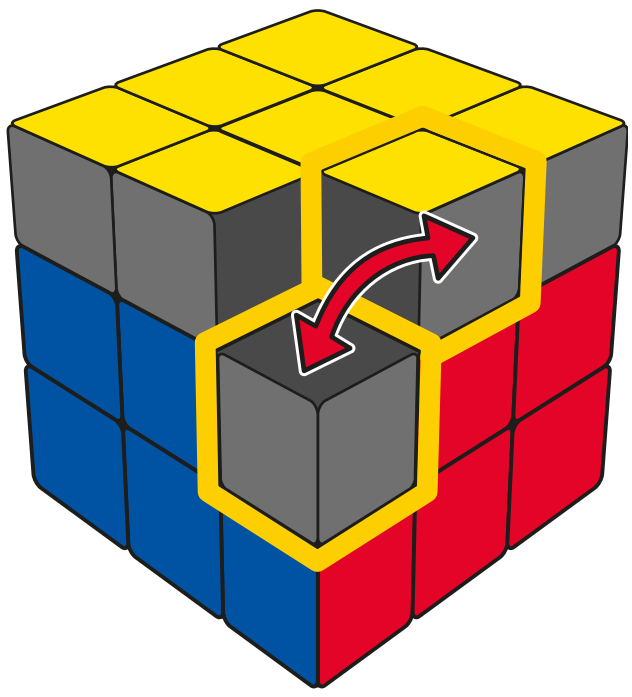
Action 1 **RIGHT Move**

If the **YELLOW-ORANGE-GREEN CORNER** piece is on the **UP-FRONT**, cycle the **TOP** layer until the piece falls on the **RIGHT** side of the Rubik's Slide.
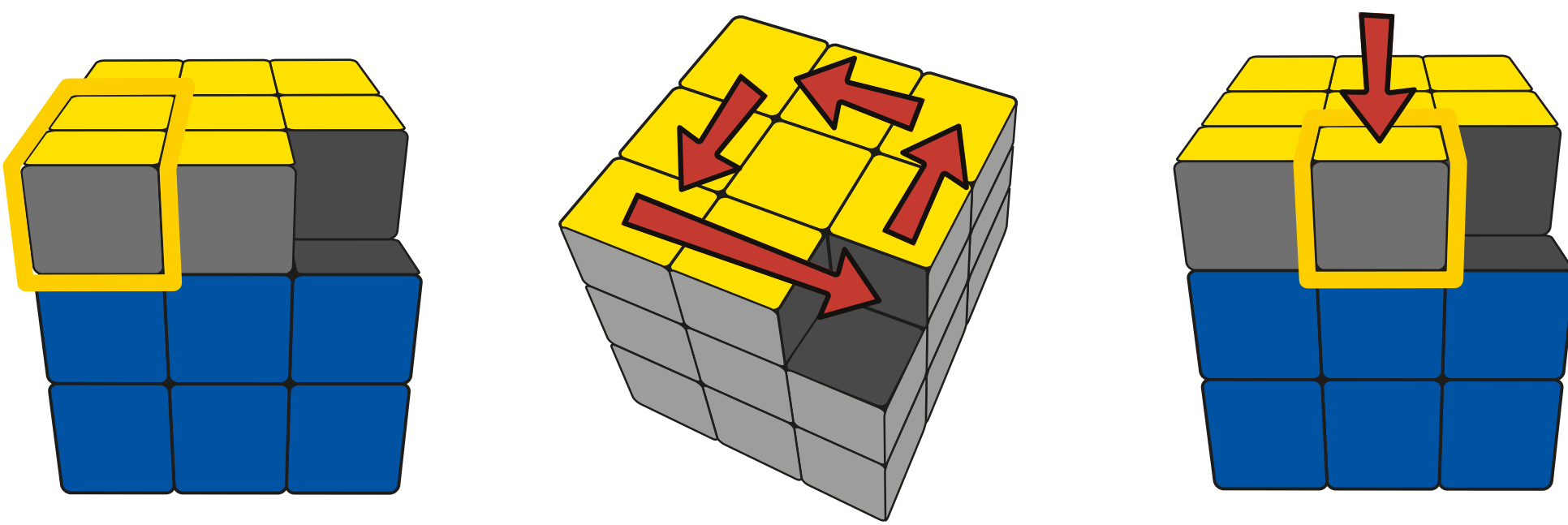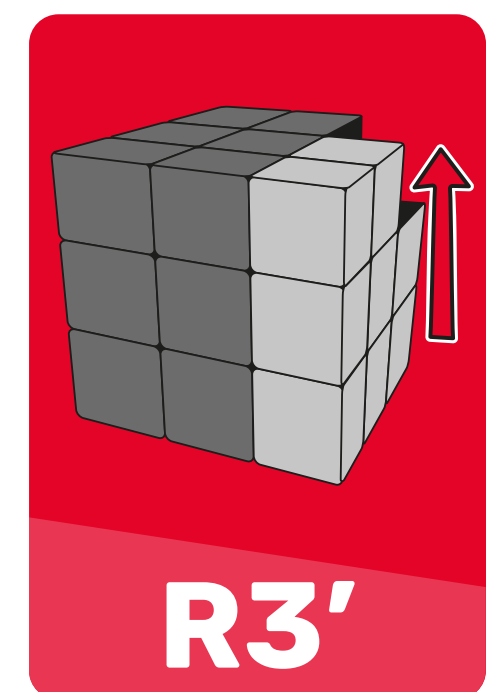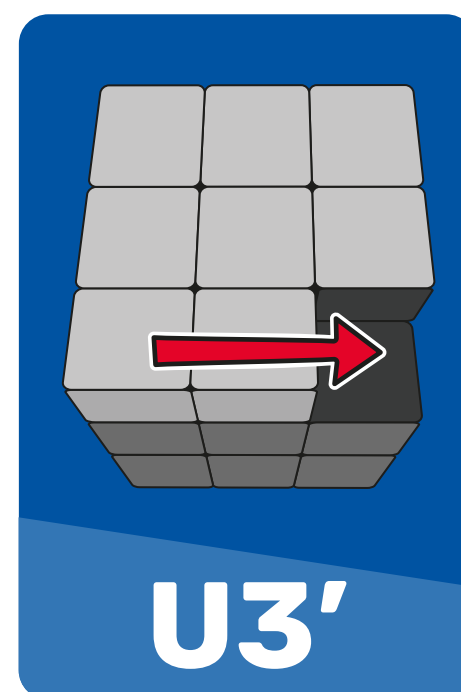
Perform **Algorithm B**
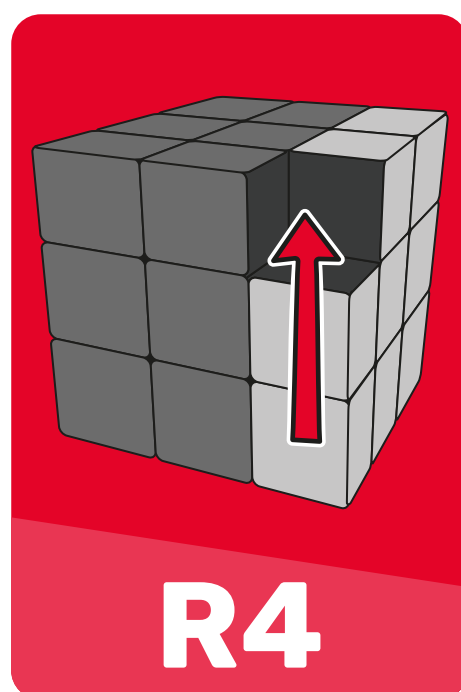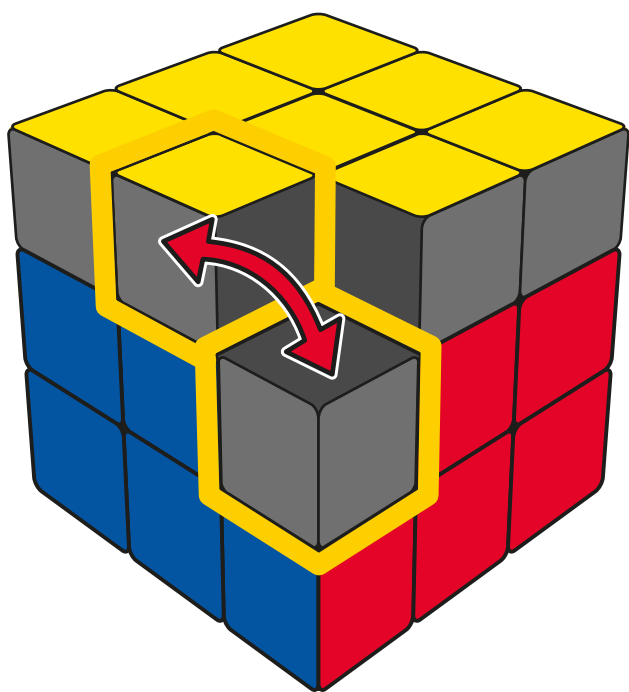

F4' **U3** **F3**

After positioning your piece go to **Action 2**

Action 1 LEFT Move

If the piece occupies the **UP-LEFT** edge or **UP-LEFT-FRONT** corner position, cycle the **TOP** layer until the **YELLOW-ORANGE-GREEN CORNER** piece is on the **UP-FRONT** of the Rubik's Slide.
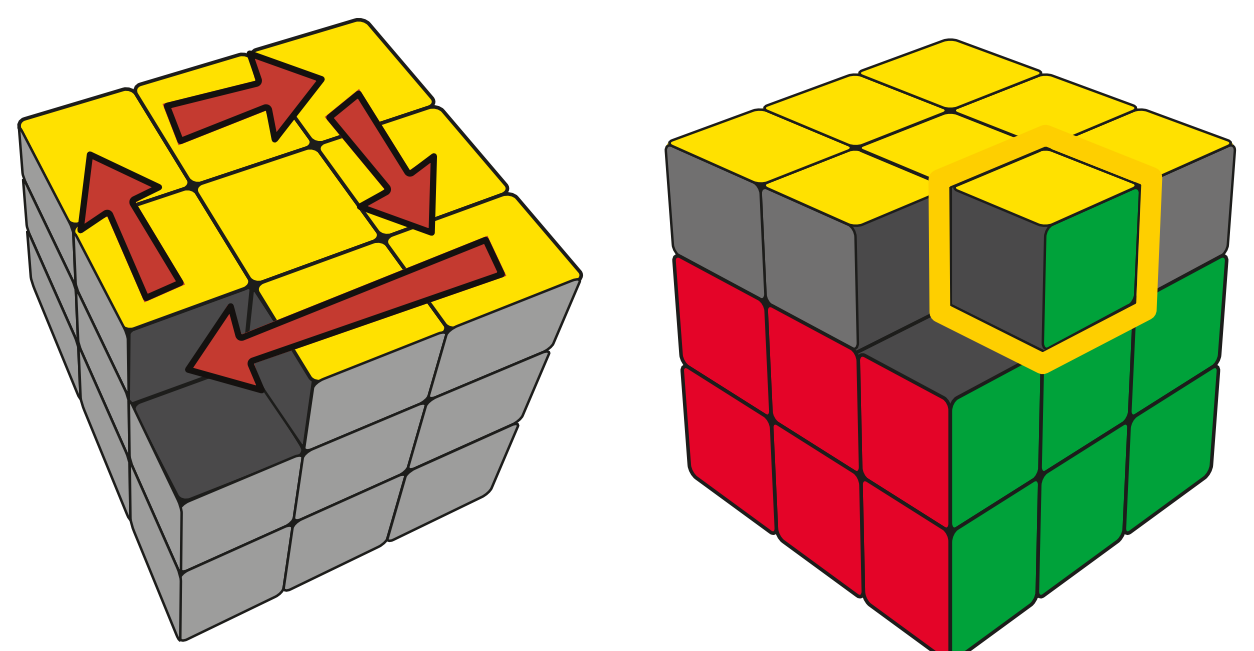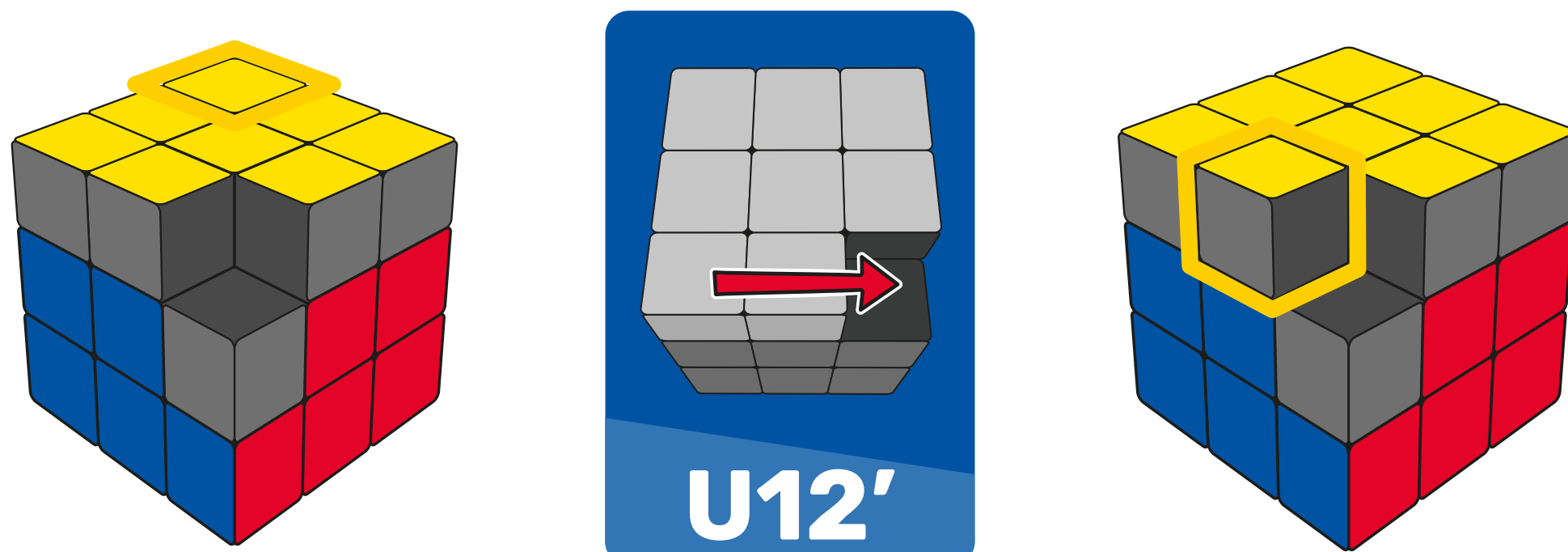

Perform **Algorithm A**

R4 **U3'** **R3'**

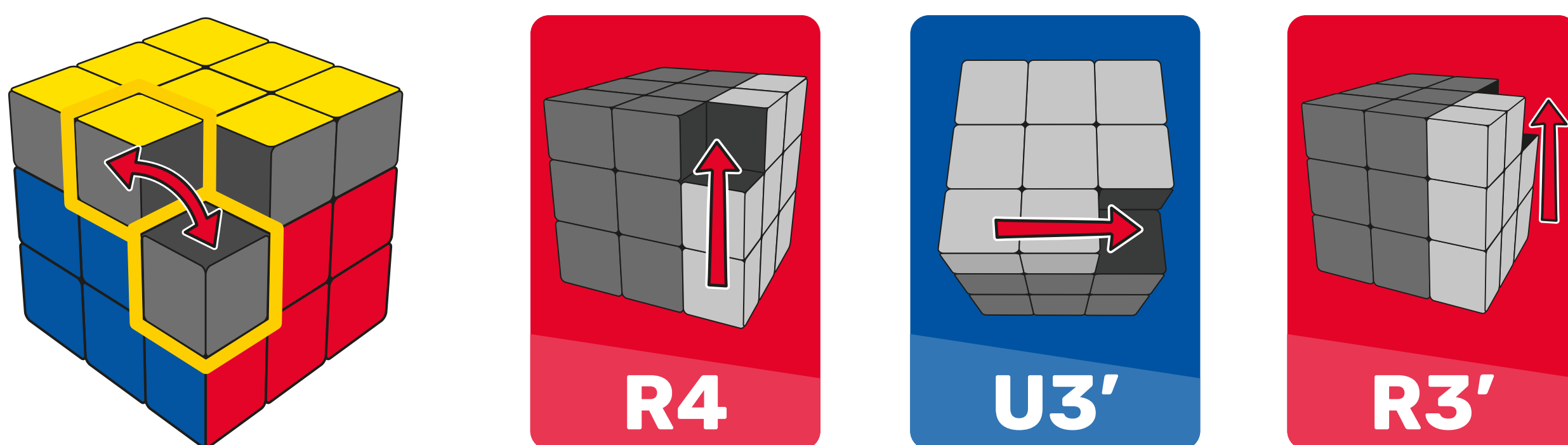After positioning your piece go to **Action 2**

Action 2

Cycle the **YELLOW** layer to position the **REFERENCE** piece back in place. This is to ensure your previous work is still solved.
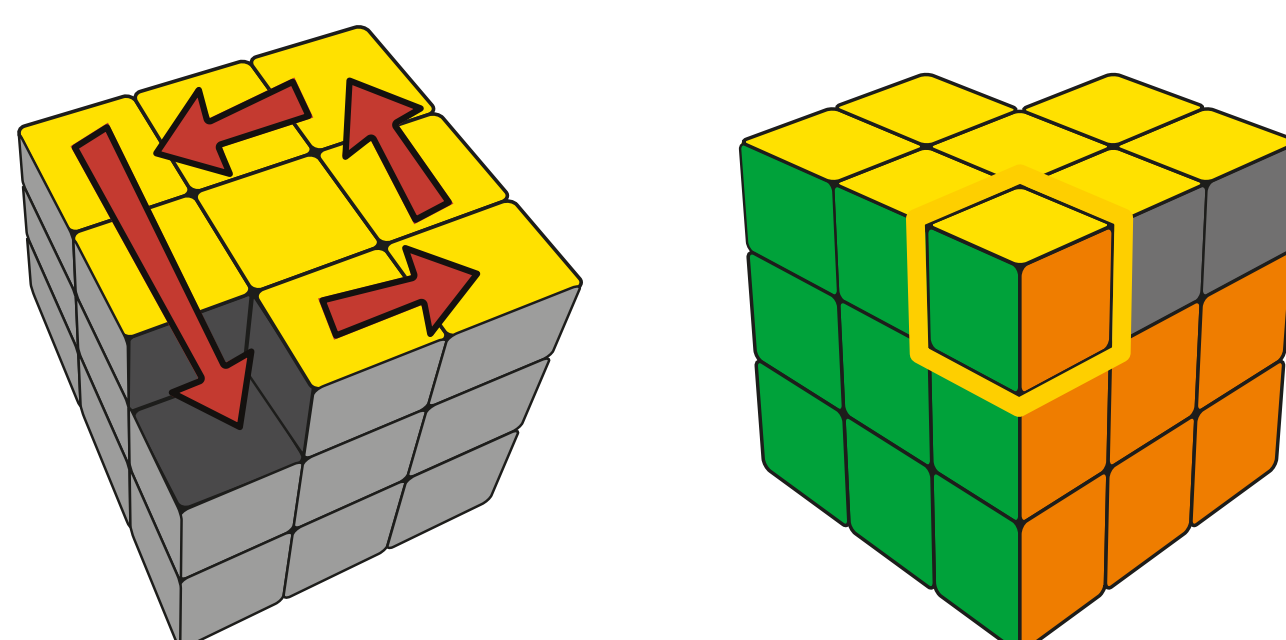
Then cycle the **YELLOW** layer to place the piece currently occupying the **YELLOW-ORANGE-GREEN CORNER** spot into the **UP-FRONT** side of the Rubik's Slide.
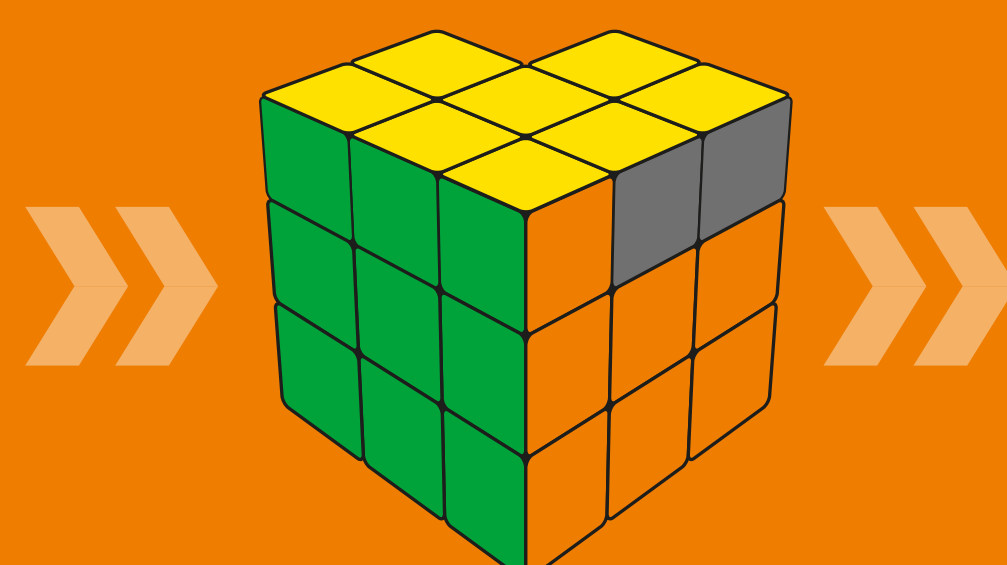

U12'

Perform **Algorithm A**

R4   **U3'**   **R3'**

Finish by cycling the now solved **YELLOW-GREEN REFERENCE EDGE** piece and **YELLOW-ORANGE-GREEN CORNER** piece back into place.

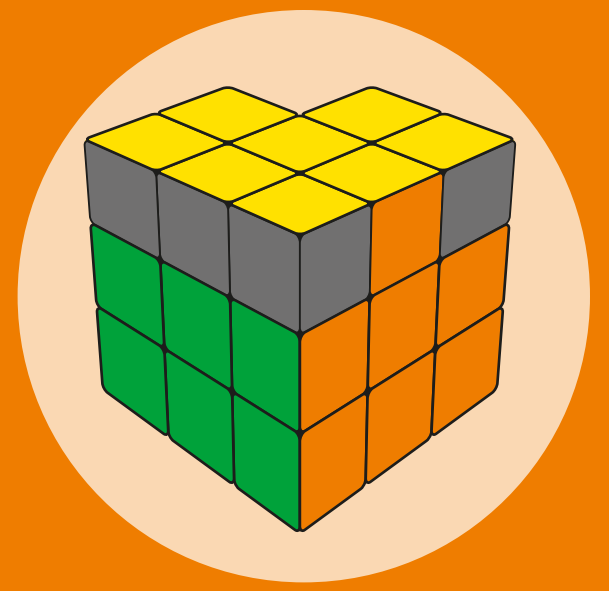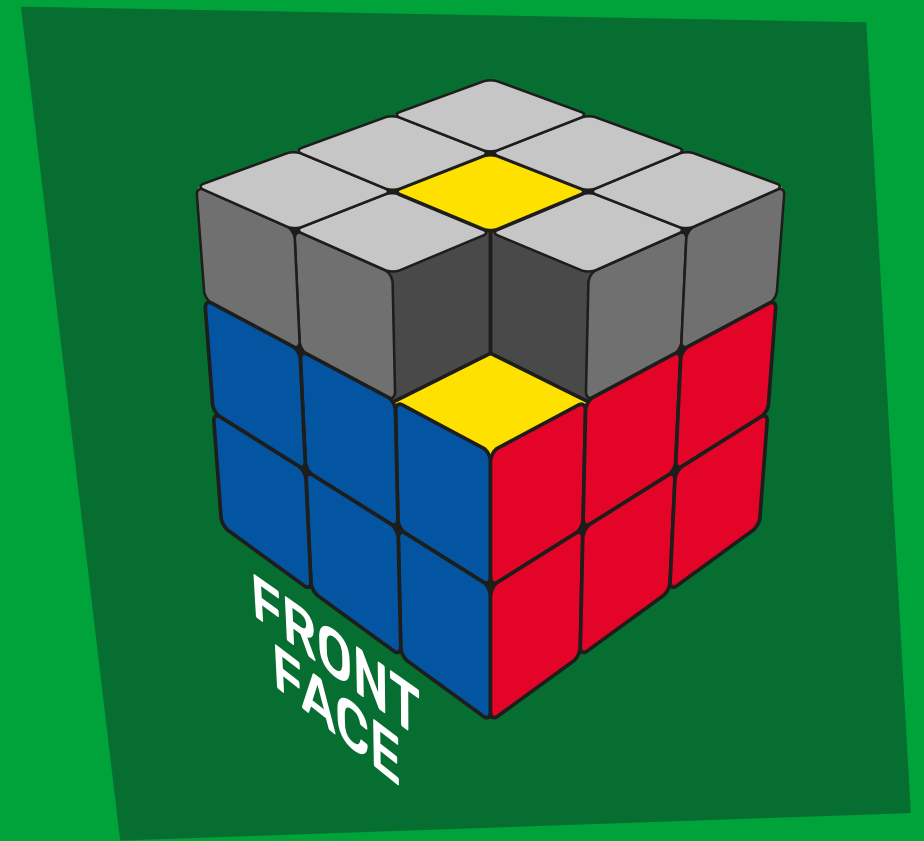When your Rubik's Slide has the Green Face complete, like this picture, you can move to Step 7!

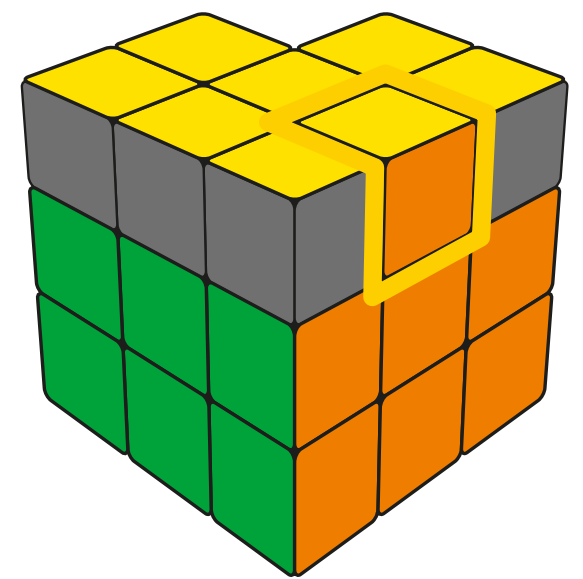# STEP 7: SOLVE THE YELLOW-ORANGE EDGE PIECE
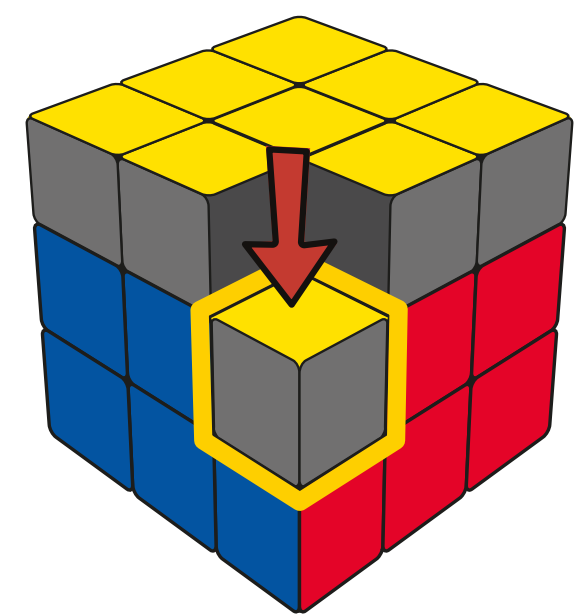
HOLDING YOUR RUBIK'S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

FRONT FACE

Locate the **YELLOW-ORANGE EDGE** piece on your **TOP YELLOW** layer. If the piece is already solved then move to **Step 8**
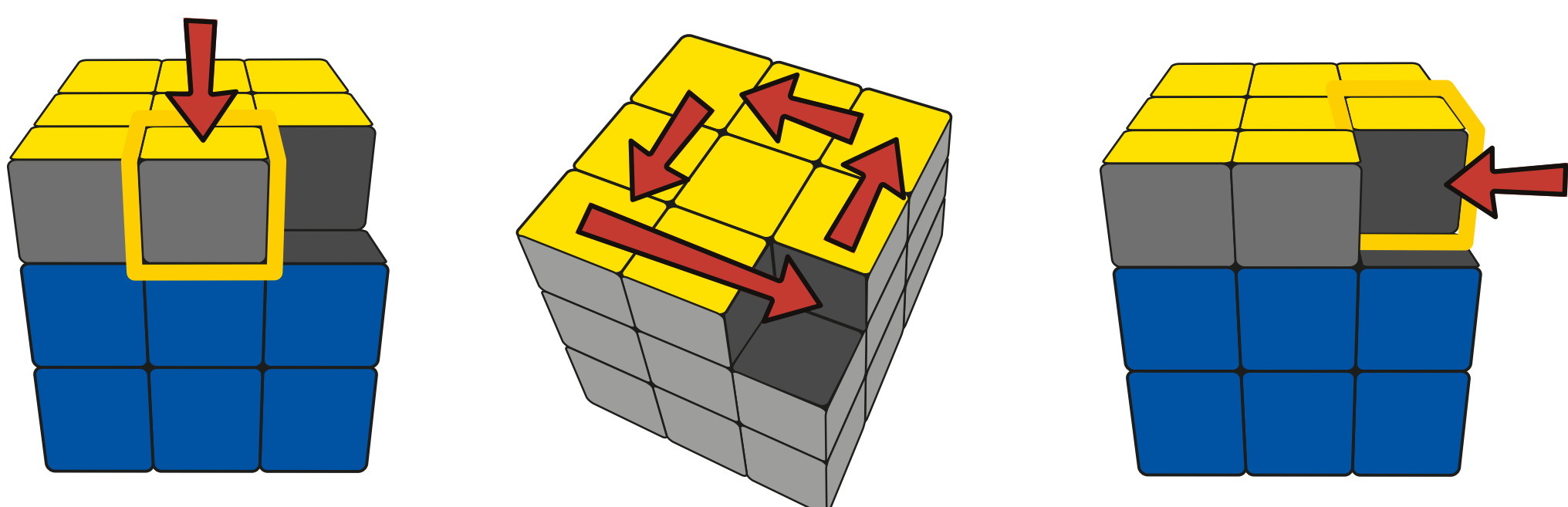
If the **YELLOW-ORANGE EDGE** piece is already in the **BLUE-RED EDGE** position go to **Action 2**
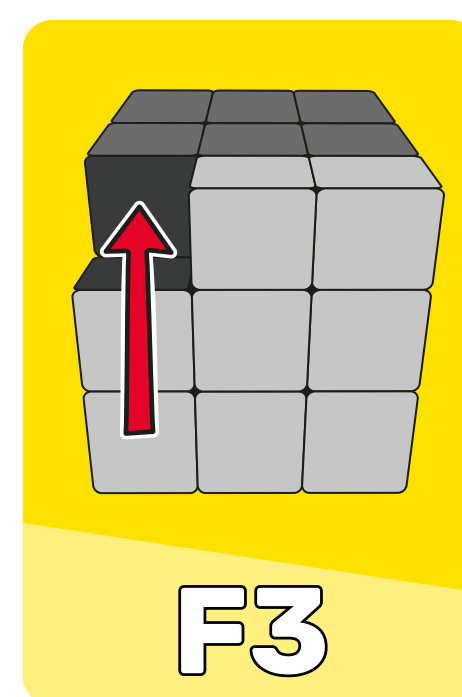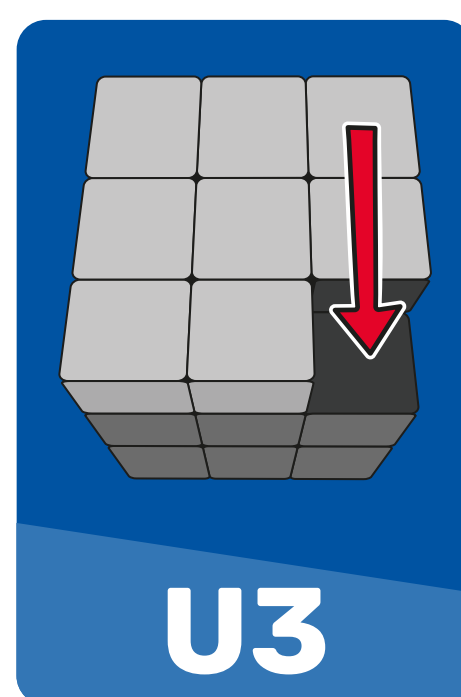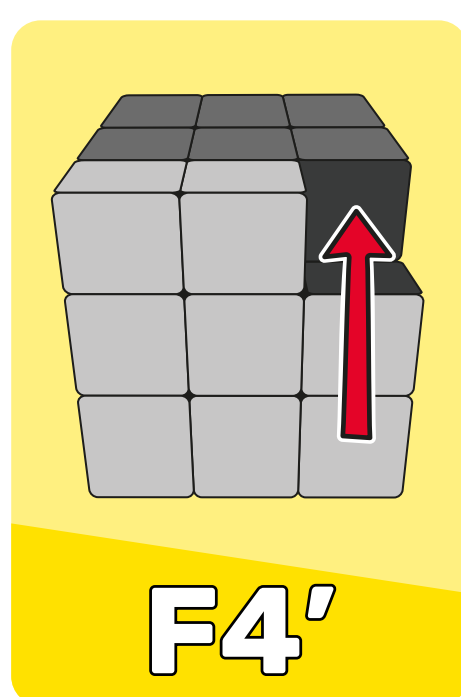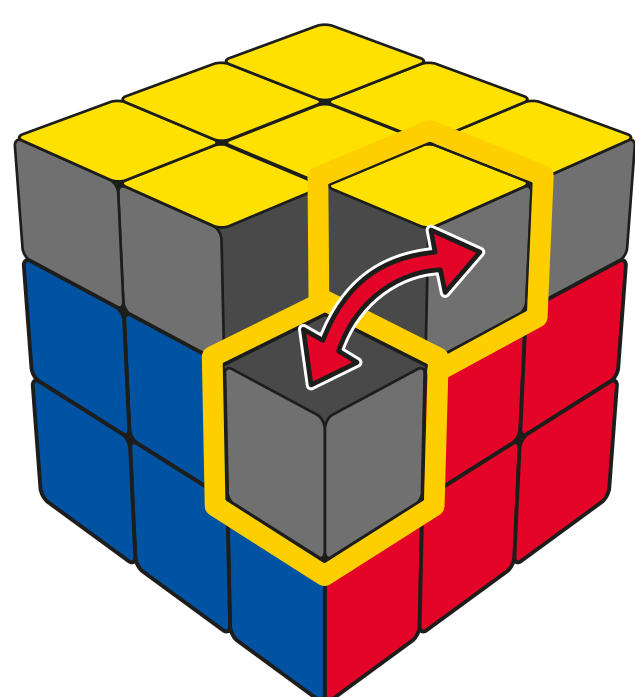
Action 1 Right Move

If the **YELLOW-ORANGE EDGE** piece is in the **UP-FRONT** edge position, cycle the **TOP** layer until the piece occupies the **UP-RIGHT** position of the Rubik's Slide. Then perform **Algorithm B**
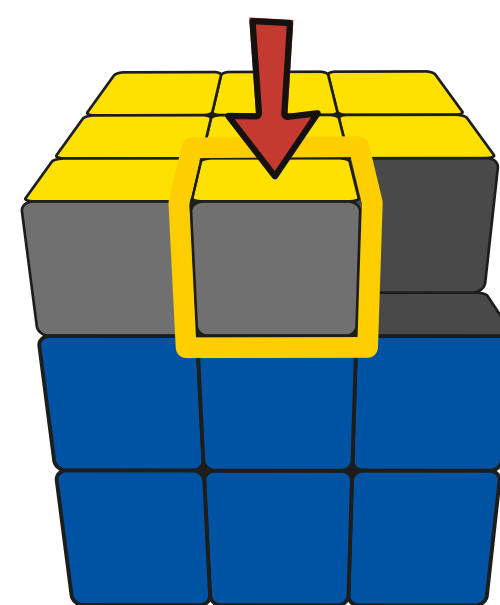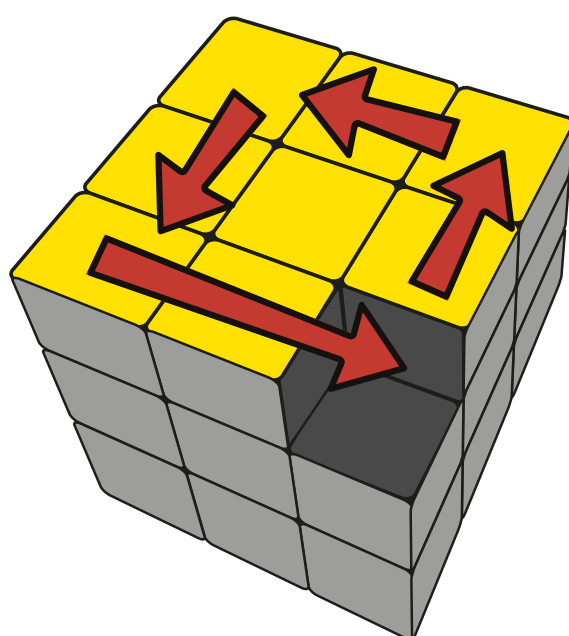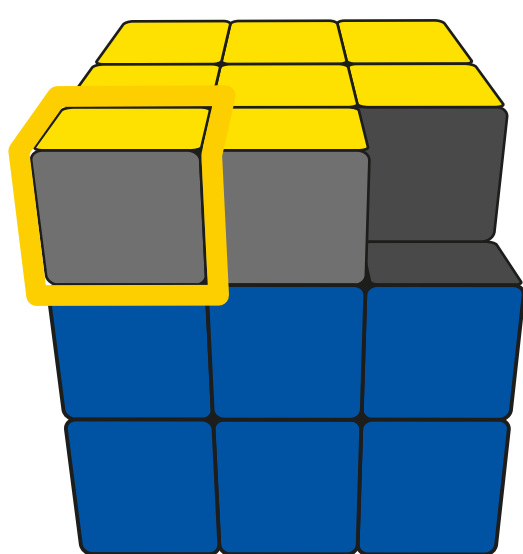
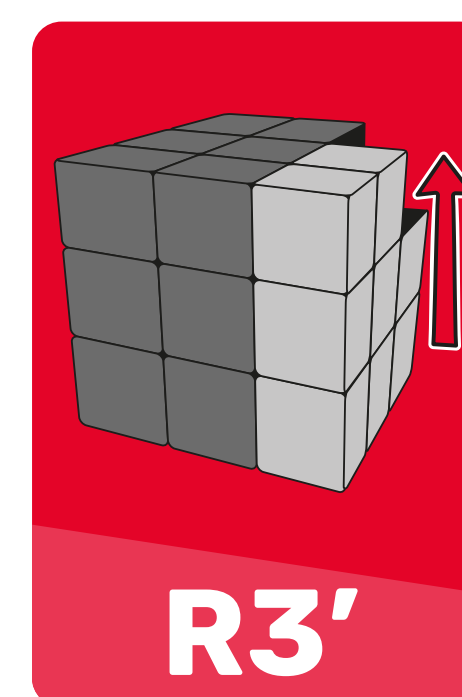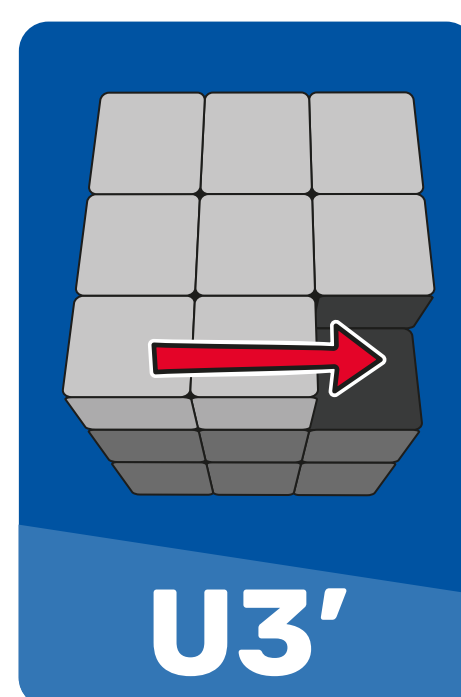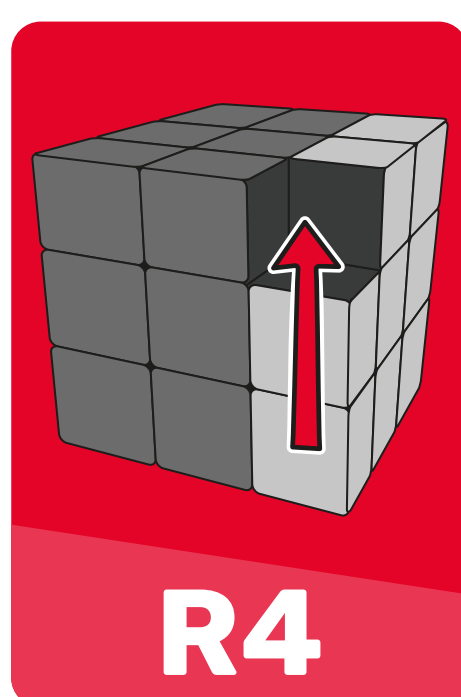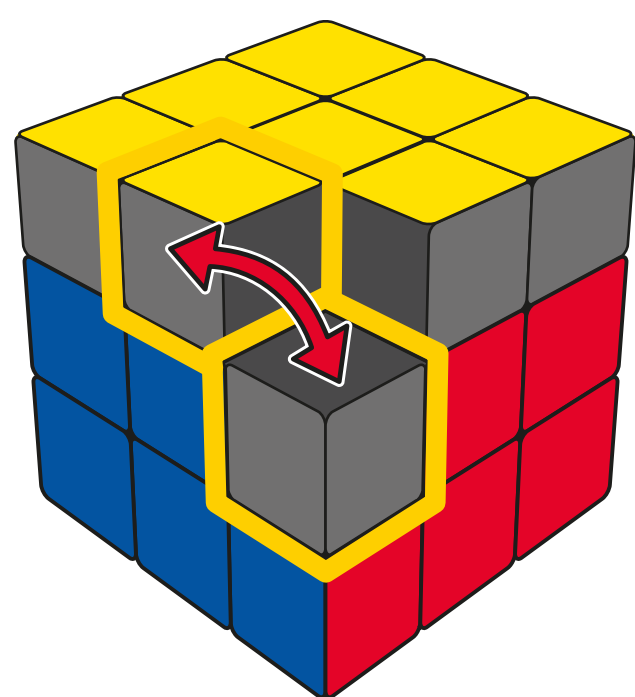If the **EDGE** is already in the **UP-RIGHT** position, perform **Algorithm B**

F4'   **U3**   **F3**

After positioning your piece go to **Action 2**

Action 1 **LEFT Move**

If the **EDGE** piece occupies the **UP-FRONT-LEFT** corner position, cycle the **TOP** layer until the **YELLOW-ORANGE EDGE** piece is on the **UP-FRONT** of the Rubik's Slide.
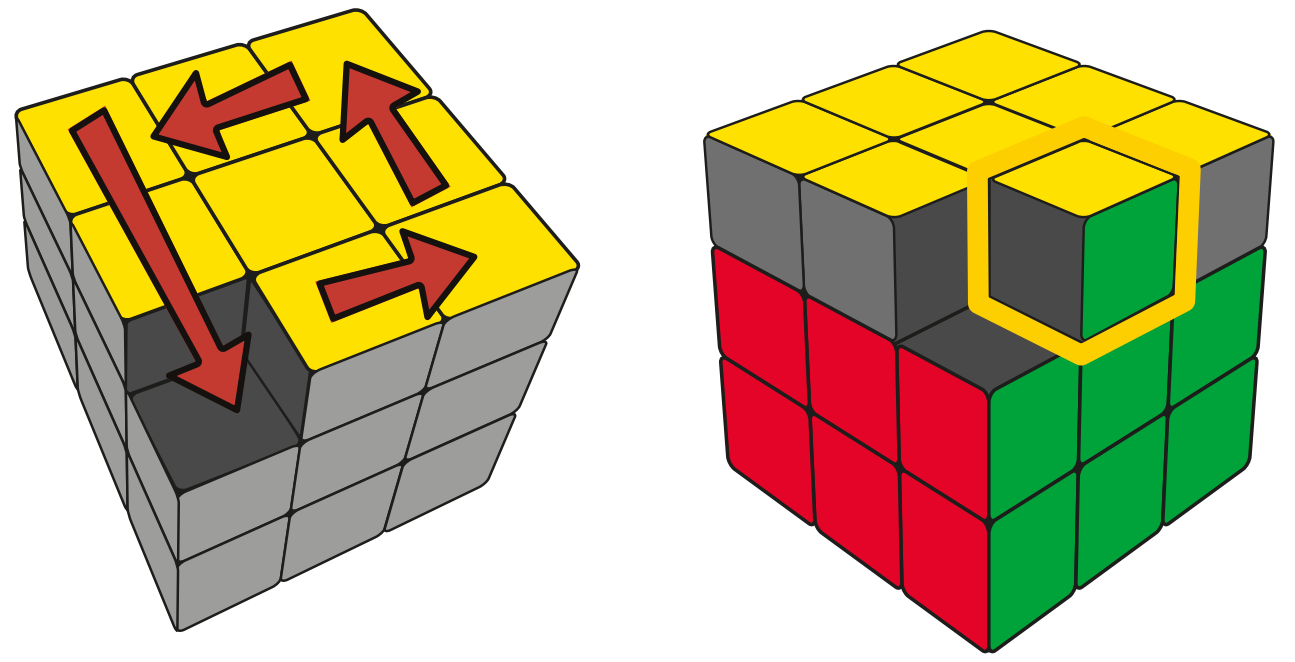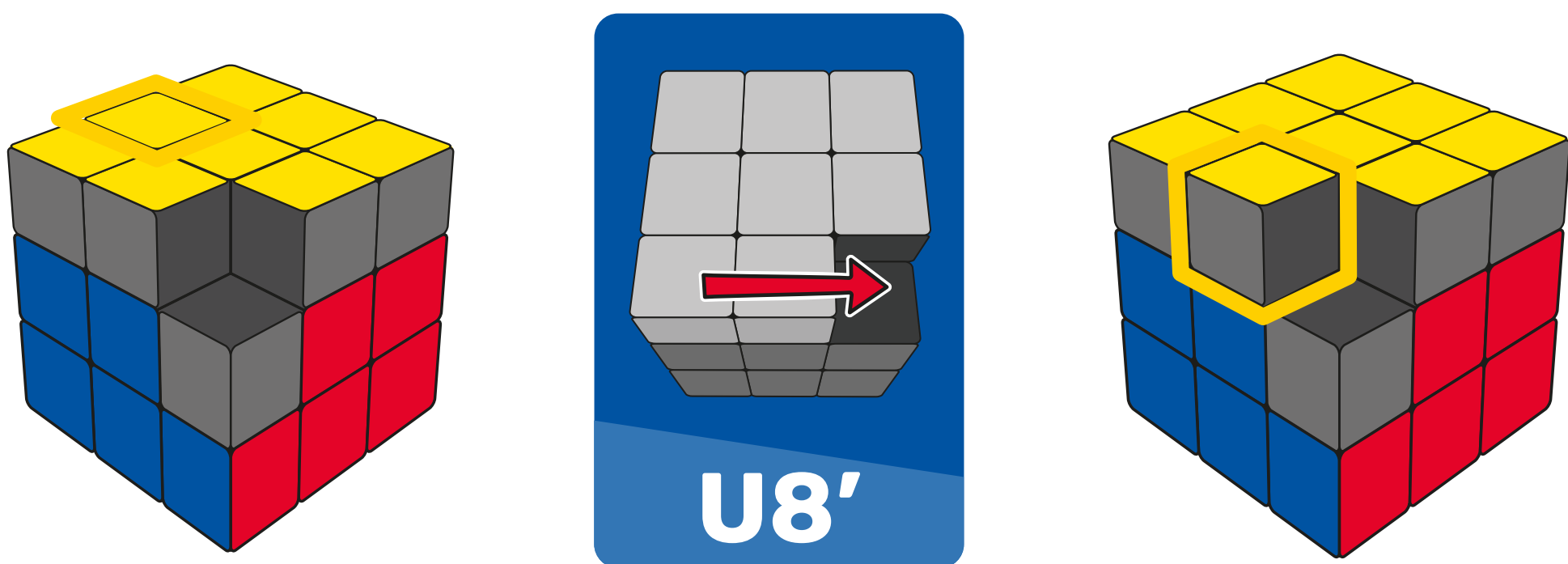

Perform **Algorithm A**

R4   **U3'**   **R3'**

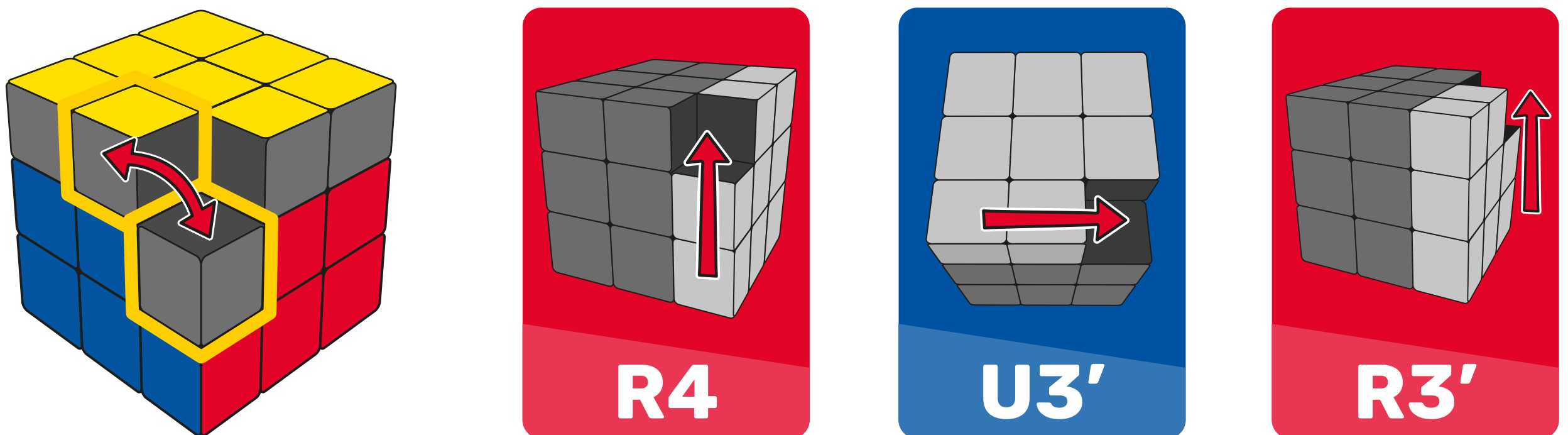After positioning your piece go to **Action 2**

Cycle the **YELLOW** layer to position the **REFERENCE** piece back in place. This is to ensure your previous work is still solved.
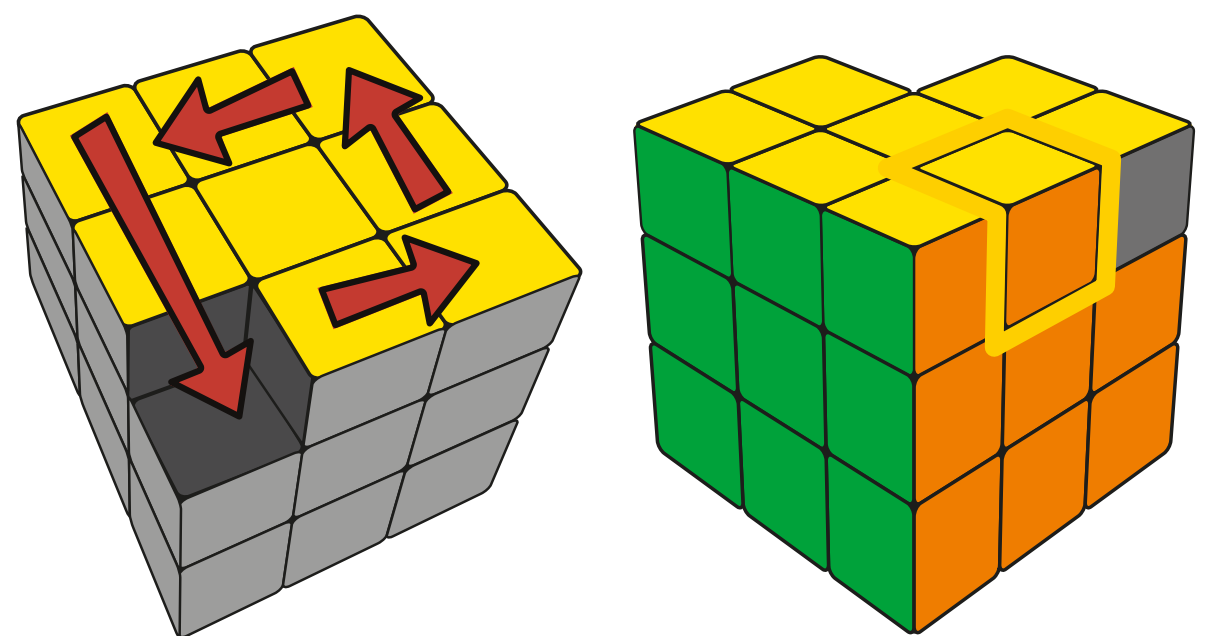
Then cycle the **YELLOW** layer to place the piece currently occupying the **YELLOW-ORANGE EDGE** spot into the **UP-FRONT** side of the Rubik's Slide.
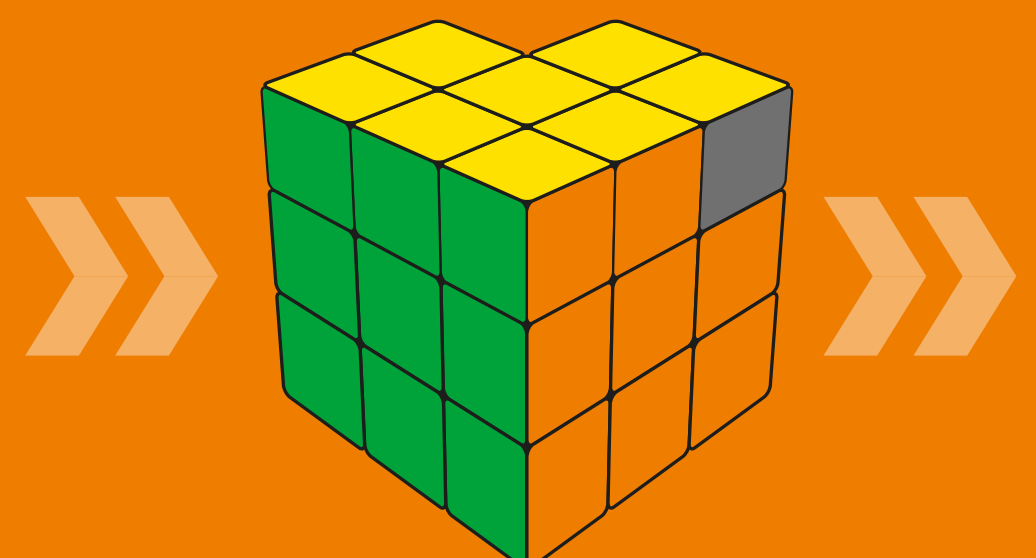
U8'

Perform **Algorithm A**

R4

U3'

R3'

Finish by cycling the now solved **YELLOW-GREEN REFERENCE EDGE** piece and **YELLOW-ORANGE EDGE** piece back into place.
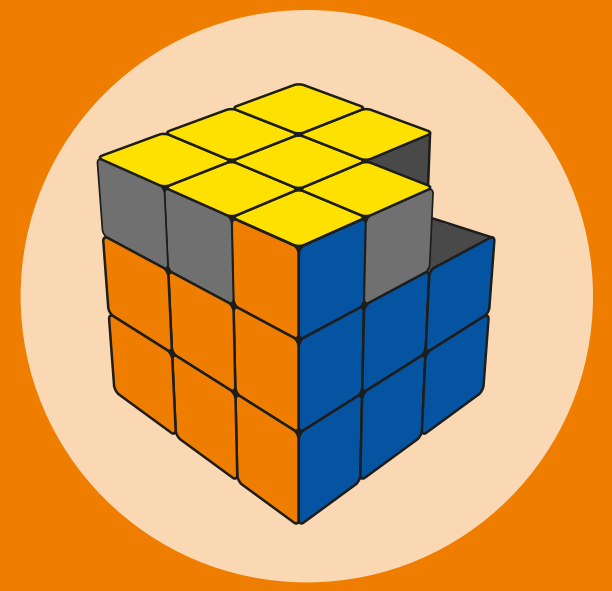
When your Rubik's Slide has the Green Face & Orange edge complete, like this picture, you can move to Step 7!
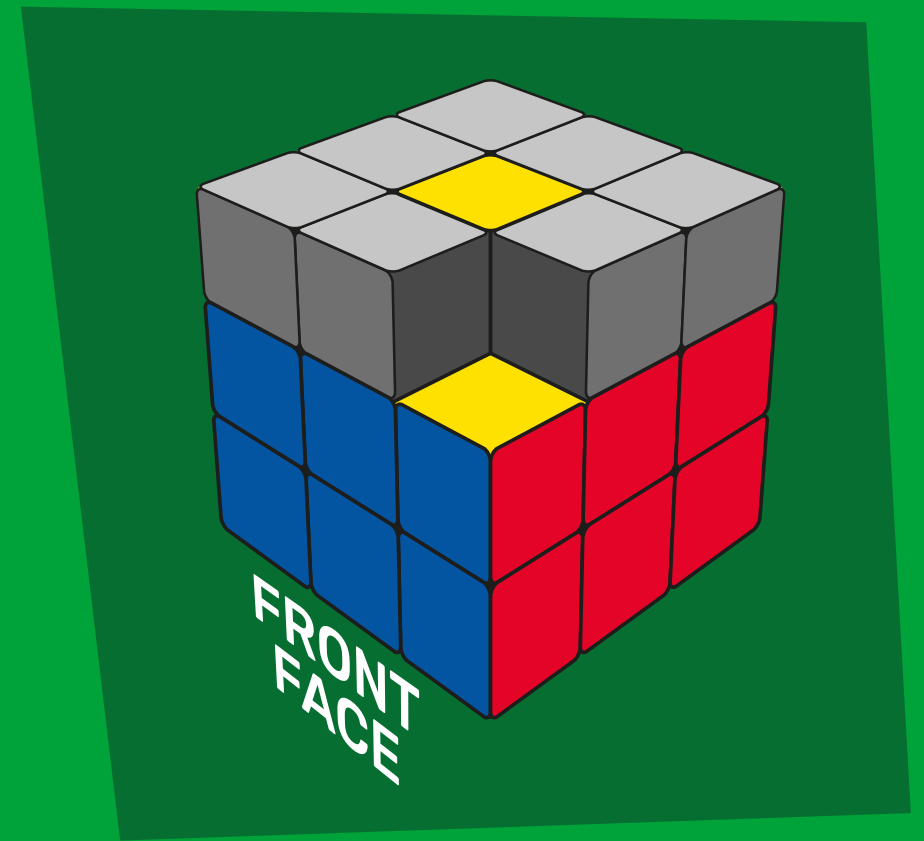
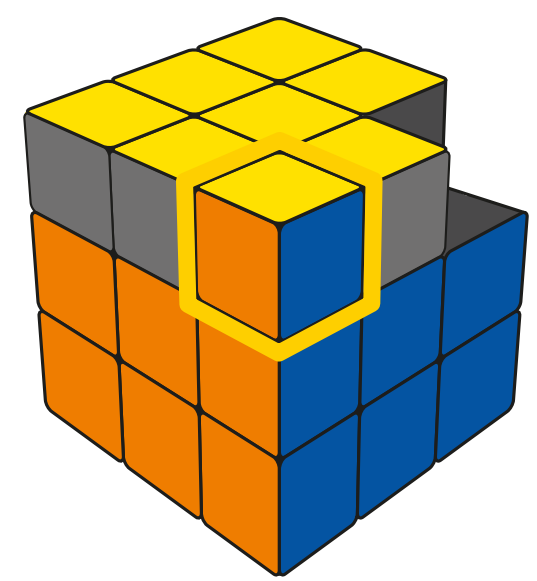# STEP 8: SOLVE THE YELLOW-BLUE-ORANGE CORNER
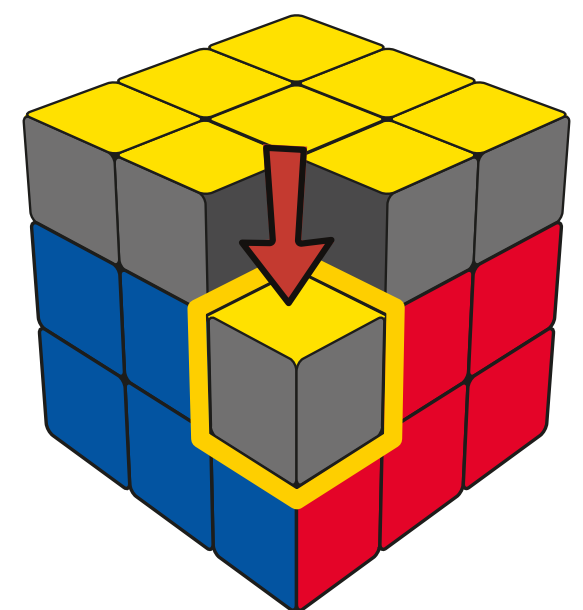
HOLDING YOUR RUBIK'S SLIDE

Hold the Slide with Yellow on top, Blue in the front, and Red on the right.

FRONT FACE

Locate the **YELLOW-BLUE-ORANGE CORNER** piece on your **TOP YELLOW** layer. If the piece is already solved then move to the **Action 3**
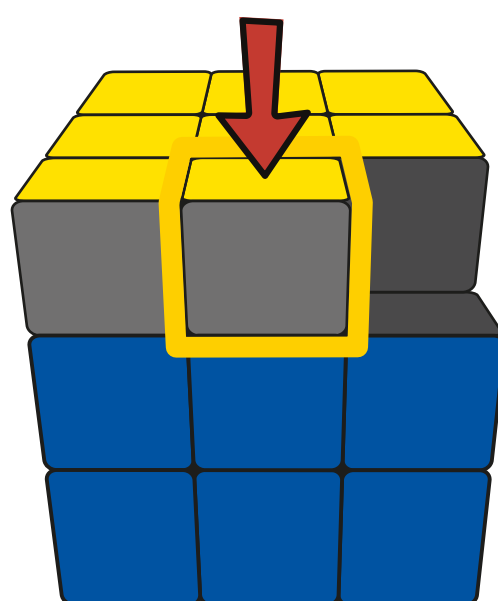
If the **YELLOW-BLUE-ORANGE CORNER** piece is already in the **BLUE-RED EDGE** position go to **Action 2**
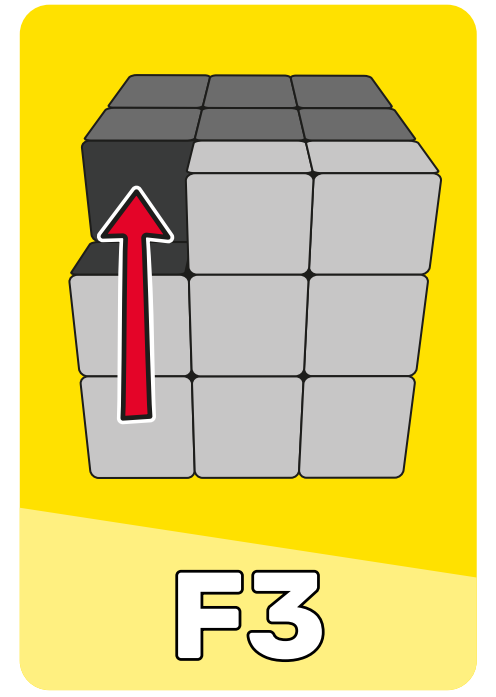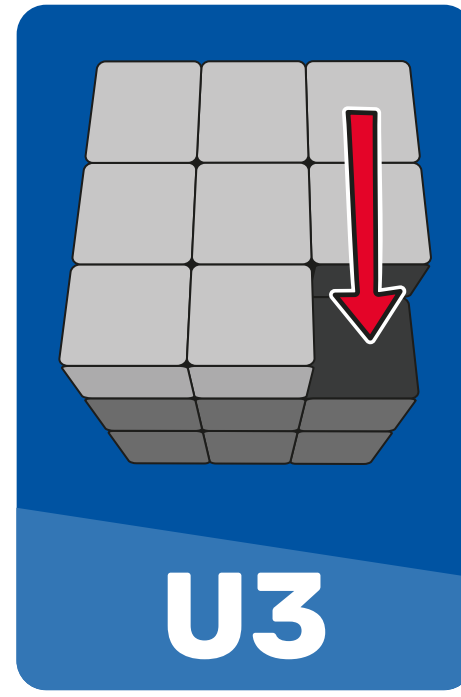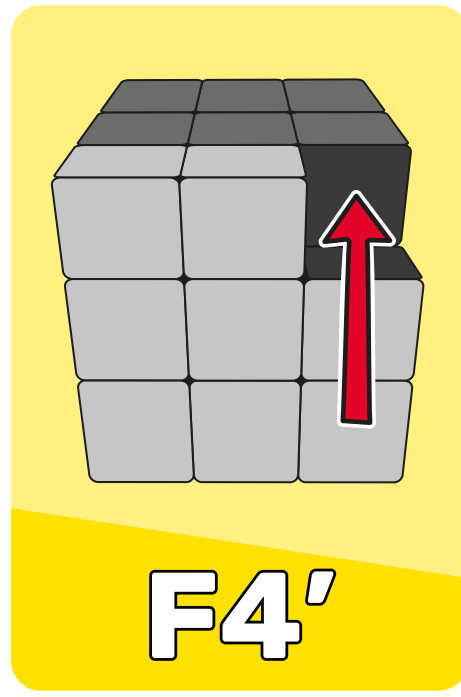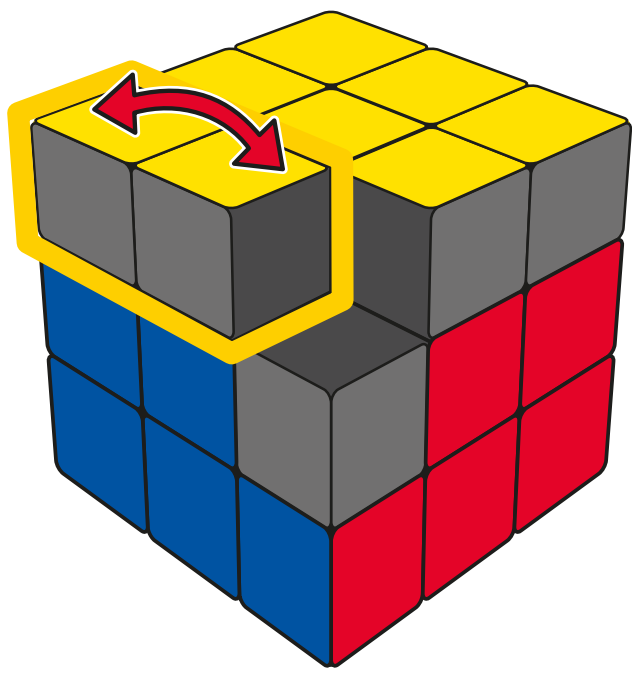
Action 1 **Piece Position FRONT**

If the **YELLOW-BLUE-ORANGE CORNER** occupies the **UP-FRONT** position:

Perform **Algorithm B**

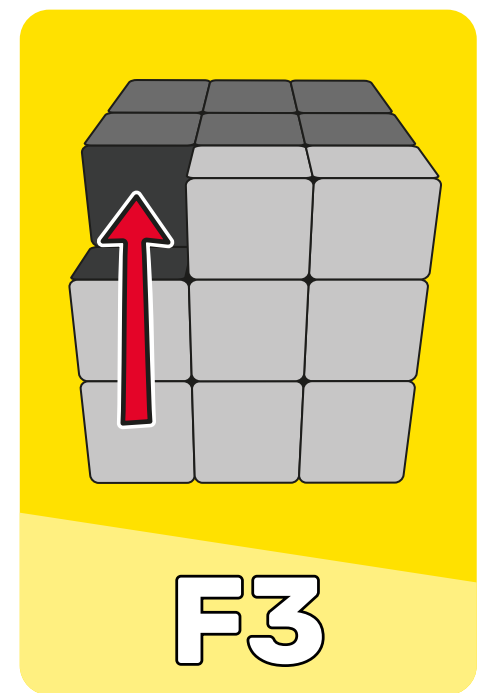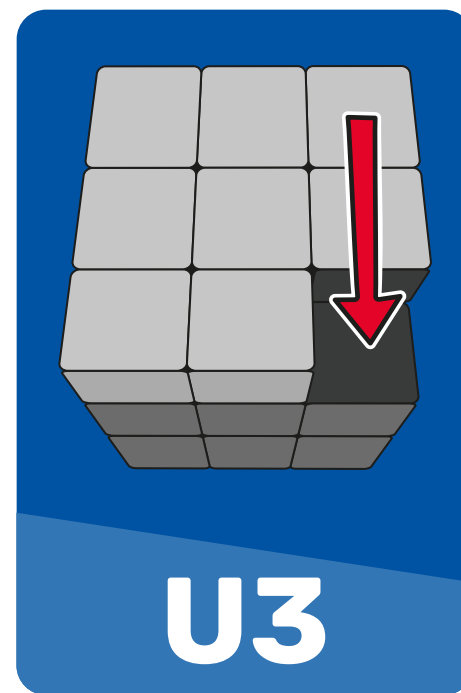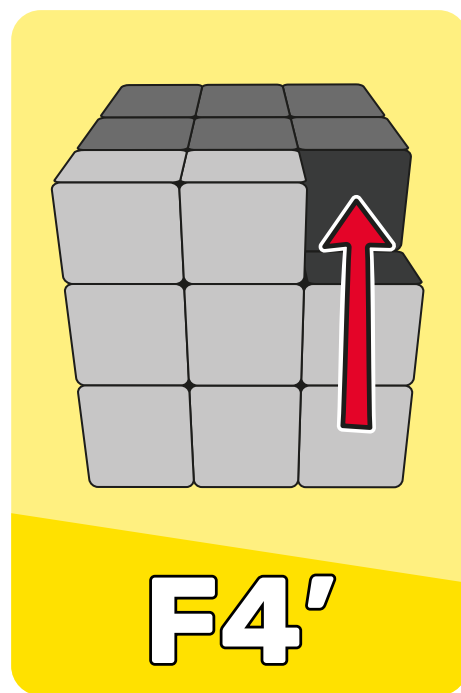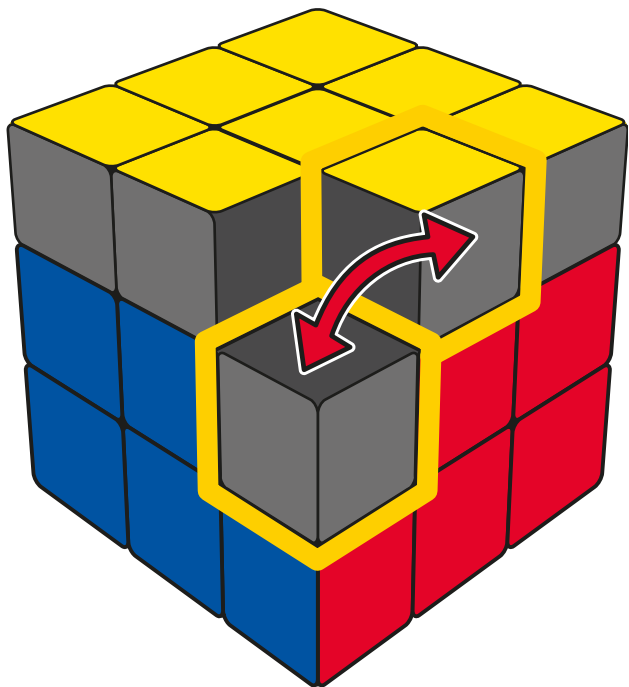After positioning your piece go to **Action 3**

Action 1 Piece Position RIGHT

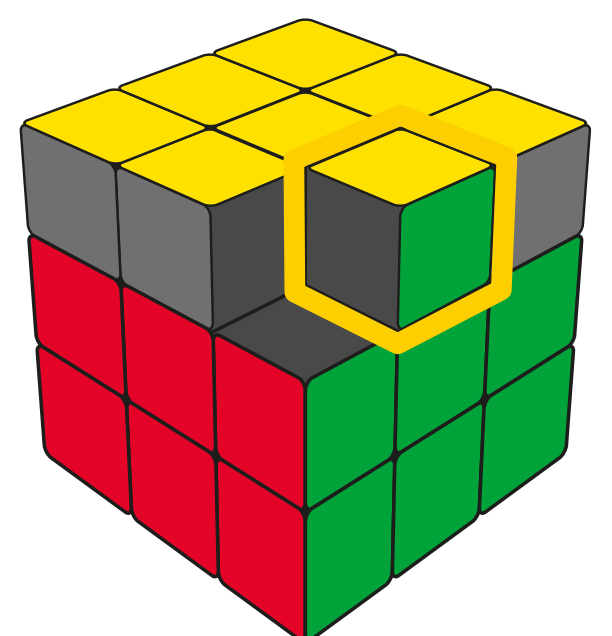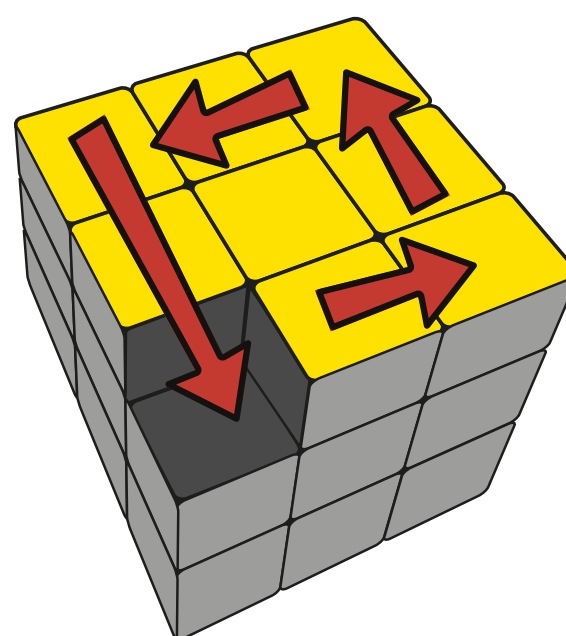If the **YELLOW-BLUE-ORANGE CORNER** occupies the **UP-RIGHT** position:
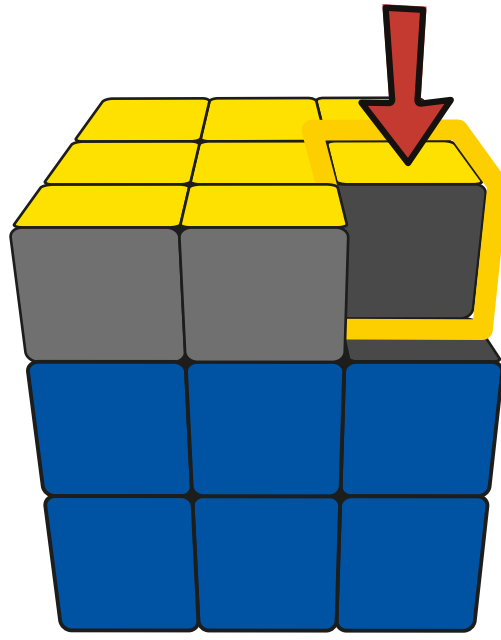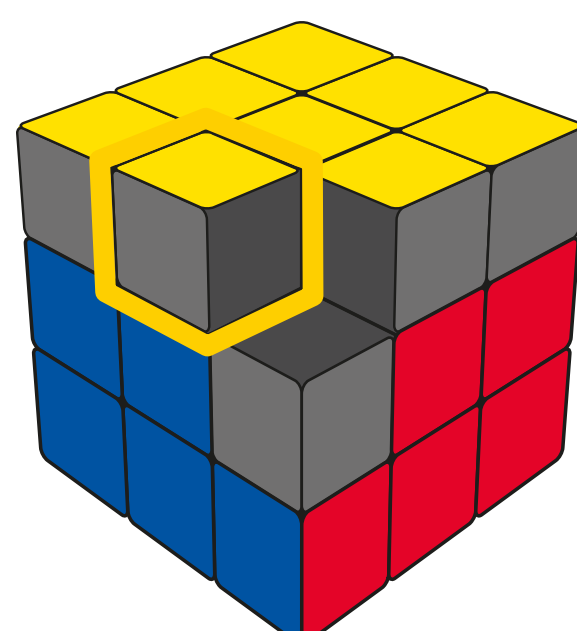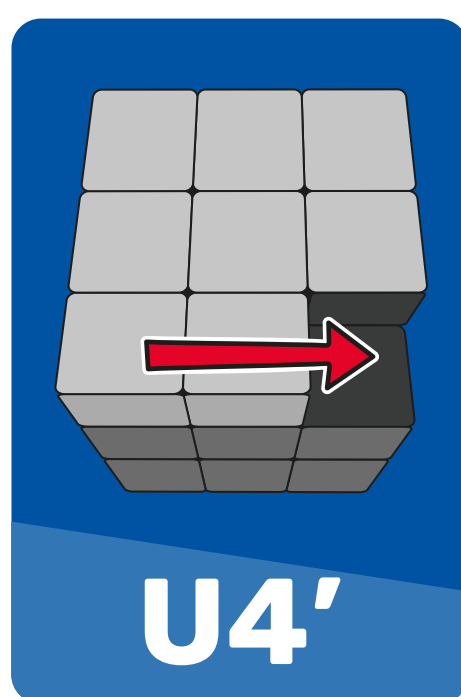

Perform **Algorithm B**

After positioning your piece go to **Action 2**

Action 2

Cycle the **YELLOW** layer to position the **REFERENCE** piece back in place. This is to ensure your previous work is still solved.

Cycle the piece currently occupying the **YELLOW-BLUE-ORANGE** spot to be in the **UP-FRONT**.
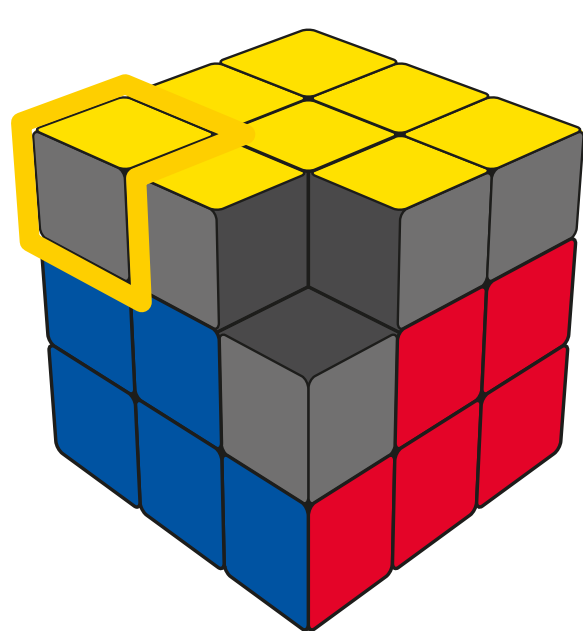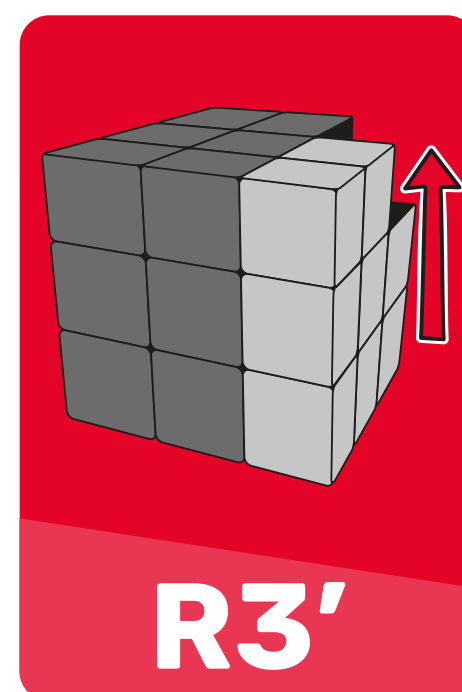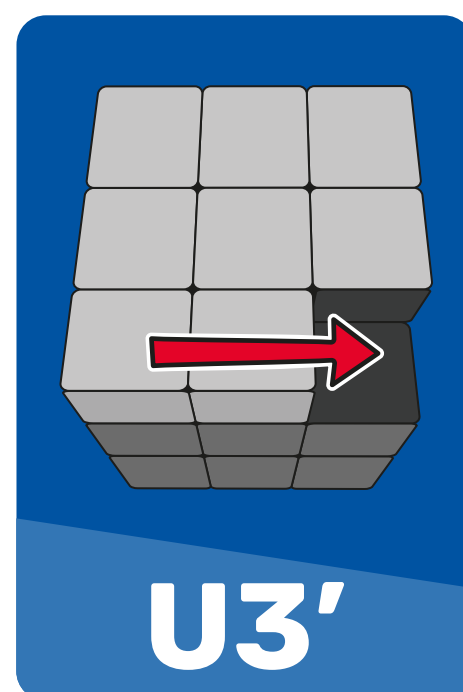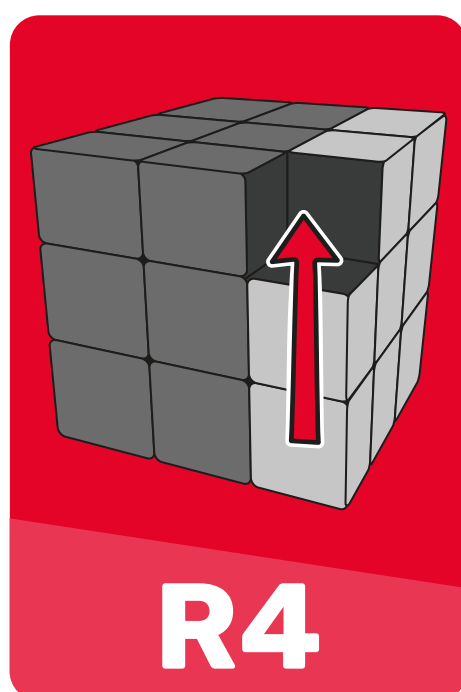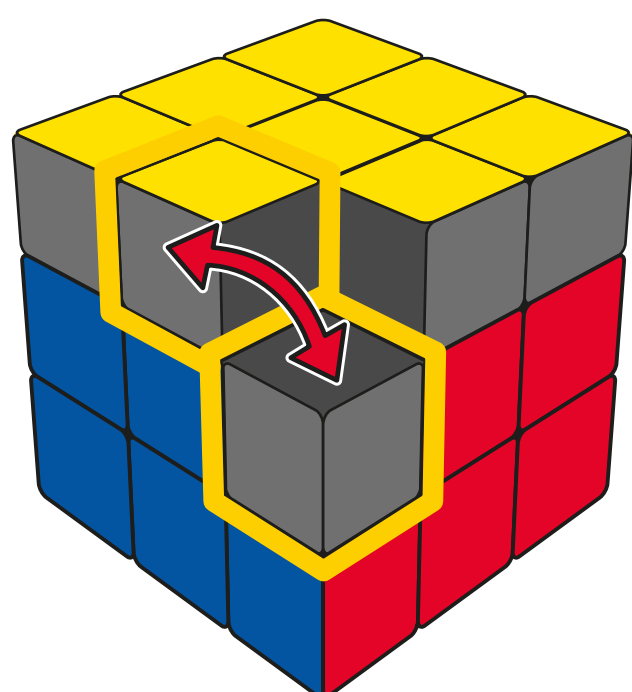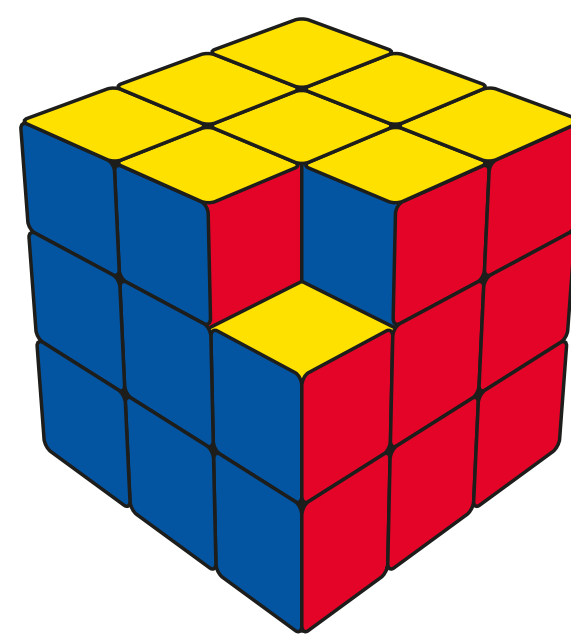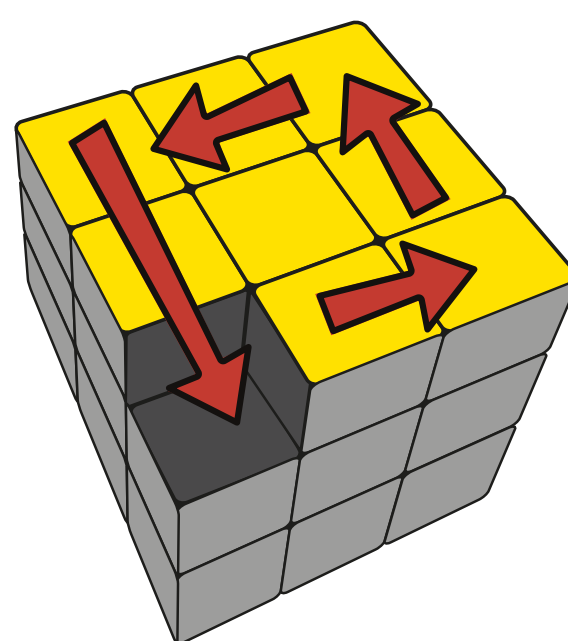

U4'

Perform **Algorithm A**

R4

U3'

R3'

After positioning your piece go to **Action 3**

Action 3

If necessary, cycle the **YELLOW** layer pieces until all sides are solved.
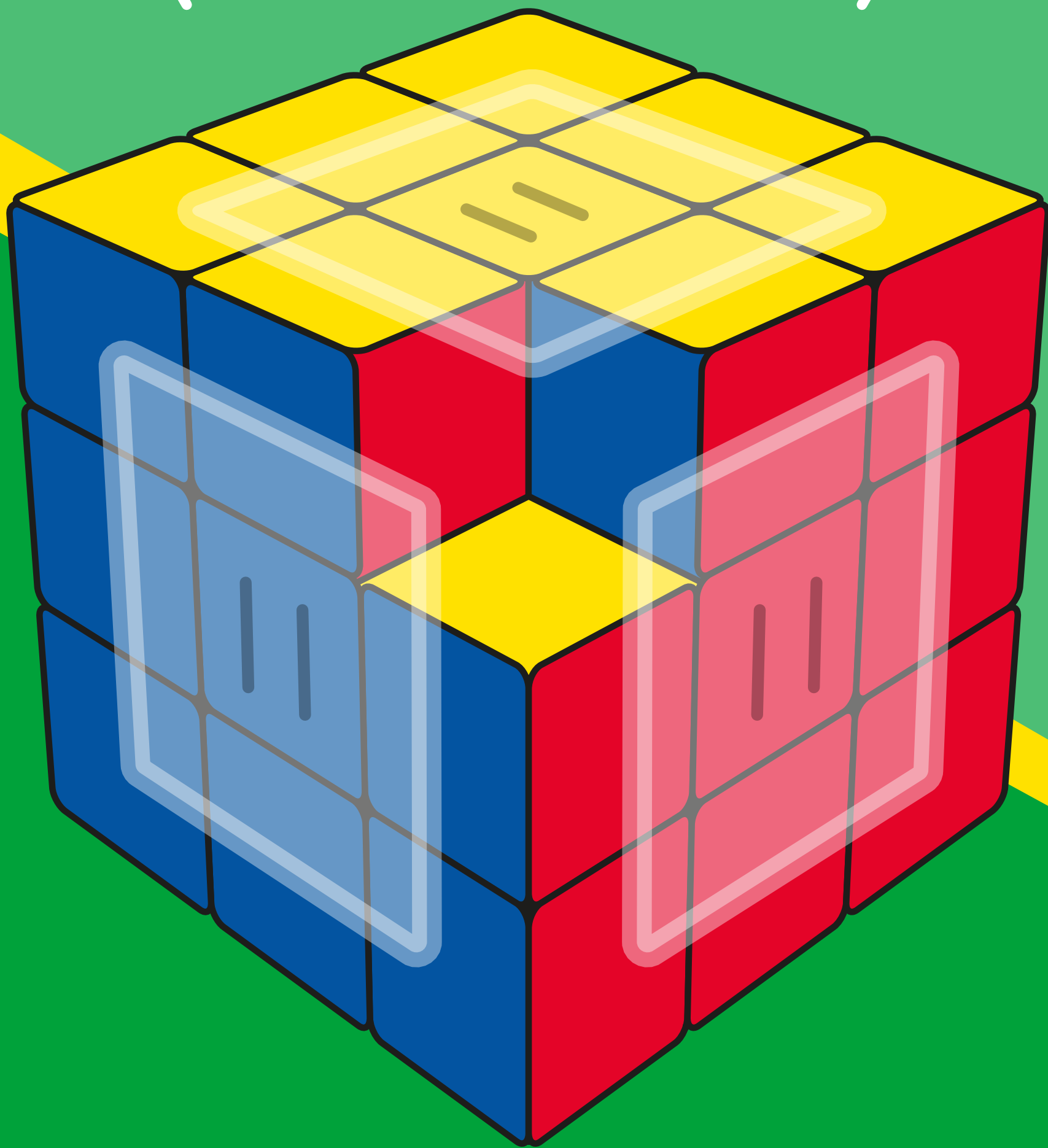

CONGRATULATIONS!

You have solved the Rubik's Slide!

Rubik's Brand Ambassador

When it came to figuring out a solution for the Rubik's Slide, I worked to overcome the unique obstacles of the puzzle. Through patience, perseverance and analysis, I took my time to develop a readable method. After a few days of discovery, I'm filled with gratitude and joy to share my solution with you.
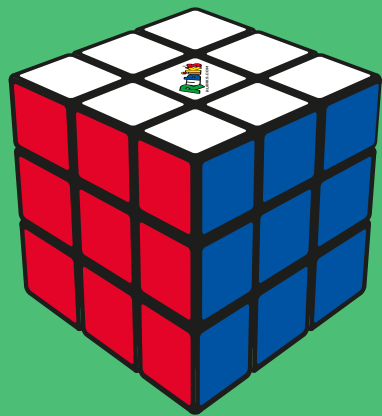
~ Sam Richard

CONGRATULATIONS!
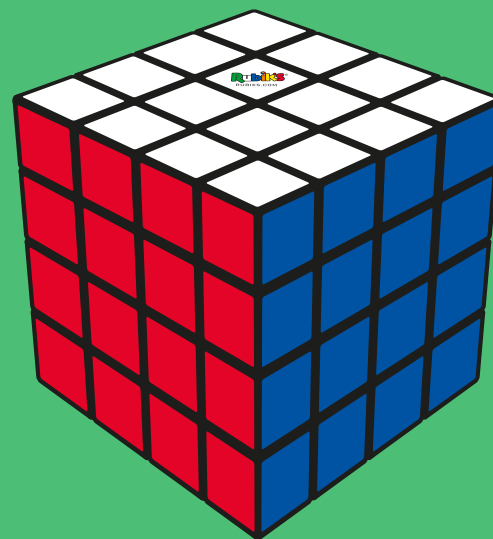
You have solved the Rubik's Slide!
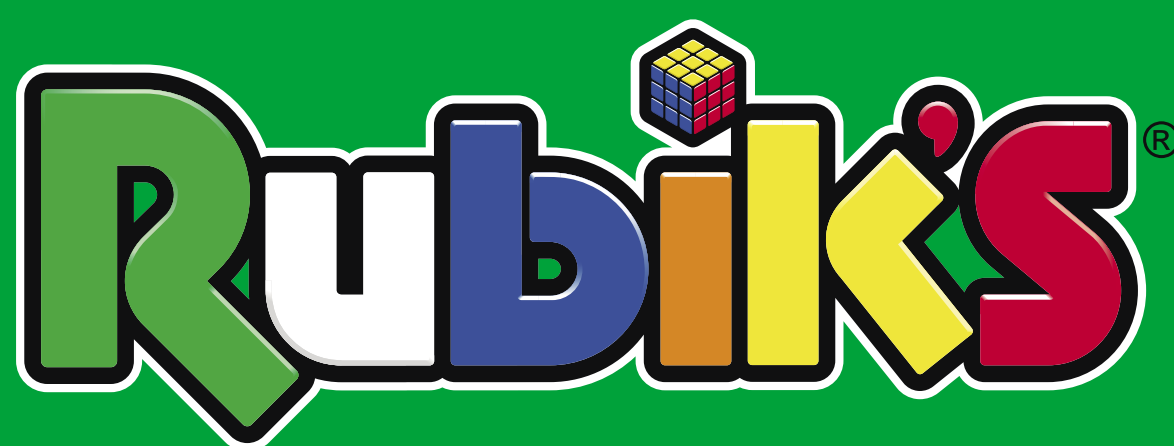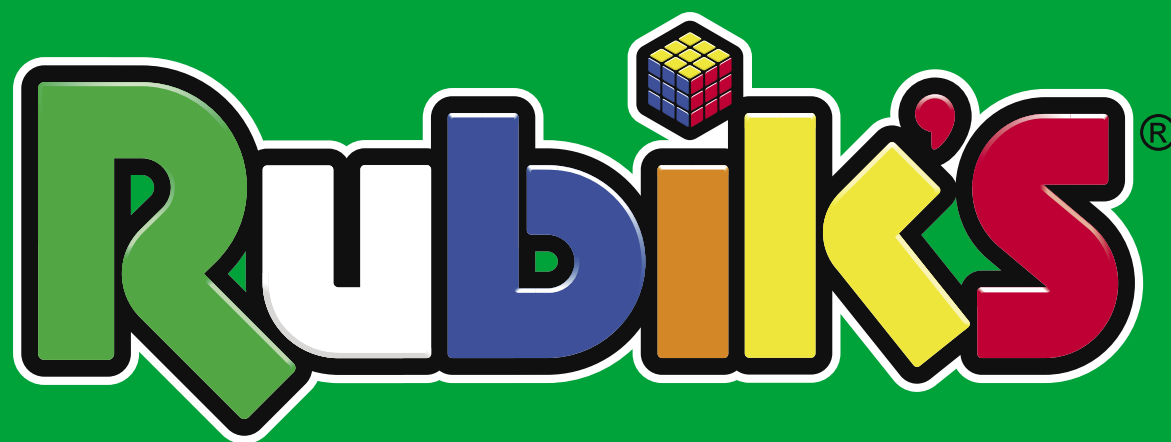
TRY A DIFFERENT CHALLENGE

RUBIK'S CUBE ← → **RUBIK'S MASTER**

RUBIK'S SLIDE

Available at: **RUBIKS.COM**

Rubik's®

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