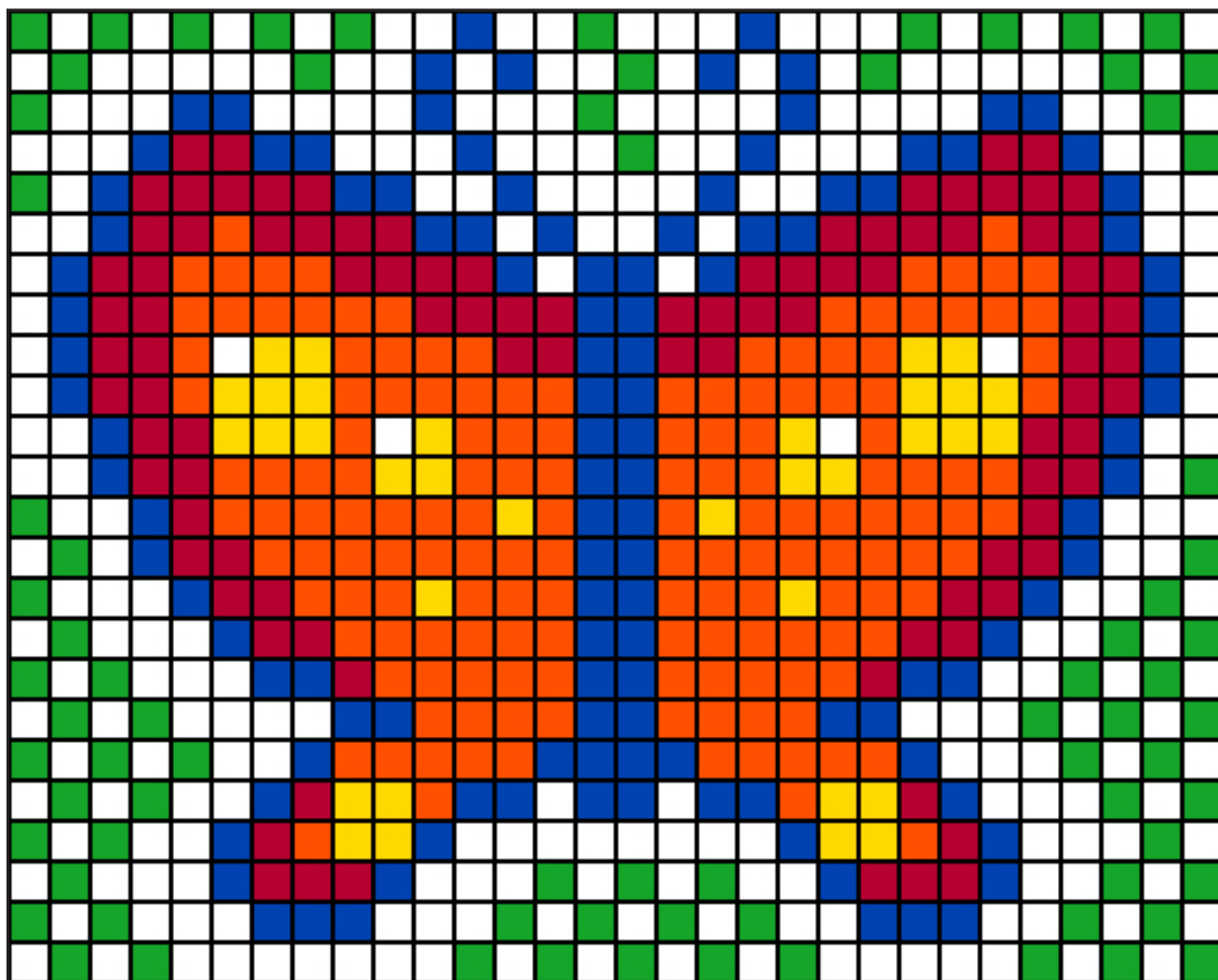


Mosaic Template Pack (180 Cubes)



2x2 Butterfly





Instructions

You and your team are building a Rubik's® Cube 2x2 mosaic. Just like solving a Rubik's Cube, building a mosaic must be done in careful steps. Building a Rubik's Cube mosaic is a great activity to do when you are learning to solve the cube because you only need to solve one side or the first layer. Manipulating the cubes to match the template allows you to practice solving the first layer.

One of you will be the leader and the rest of you will be builders. It's important that the leader keeps track of the progress of the entire mosaic while the builders stay focused on their sections.

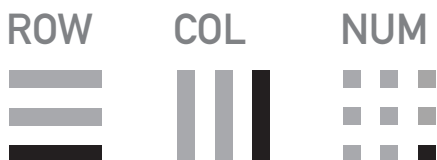
The mosaic is made of 180 2x2 Rubik's Cubes and is divided into 12 sections. Each section has 15 cubes. The leader will make sure that the sections are all double-checked and then placed in the correct order.

Each of the section pages in this template have a special number that looks like this:

ROW COL NUM
04 - 03 - 12

Look at the top of a section page and note that the first number is the row in the entire image; there is a total of 4 rows. The second number is the column; there is a total of 3 columns. The last number is the section number; there is a total of 12 sections.

Here's a visual to help you understand better:



The leader will give each builder a section to work on. Each builder should only work on one section at a time. After each cube is manipulated to match the template, cross it out on the page with a pen. When a builder is finished with their section, they need to check that each cube is in the correct pattern and orientation as shown on their section page. Once they've checked, they will call for the leader to double-check the section and then will be instructed by the leader where to place their section.

Be very careful when moving sections. Don't pick up too many cubes at once, two or three at a time but never more. It's very easy to drop the cubes. Use baking sheets or lunch trays to move sections close to the mosaic and then move the cubes from the trays to the mosaic.

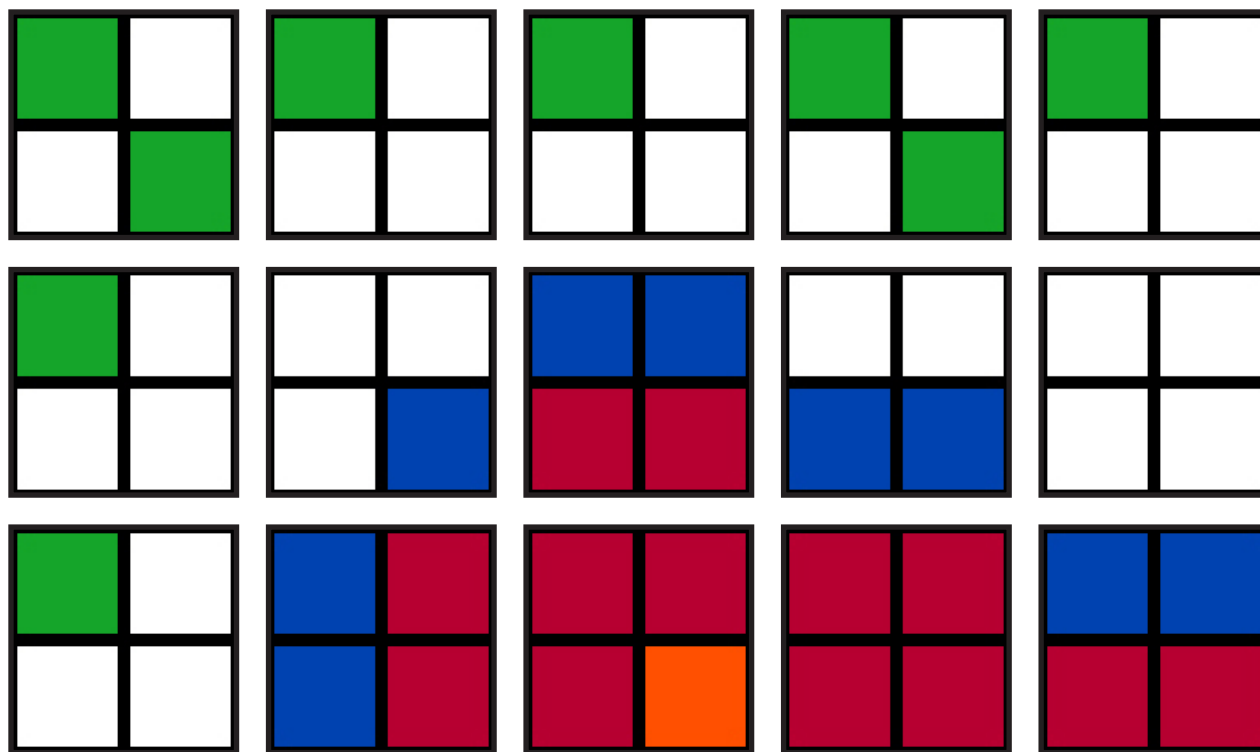
Have fun!

Materials Needed:

- 180 - 2x2 Rubik's® Cubes
- 2x2 Solution Guides
- Mosaic Template Pack
- Baking sheets or lunch trays
- Pens or pencils
- Raised work surface
- Lots of open floor

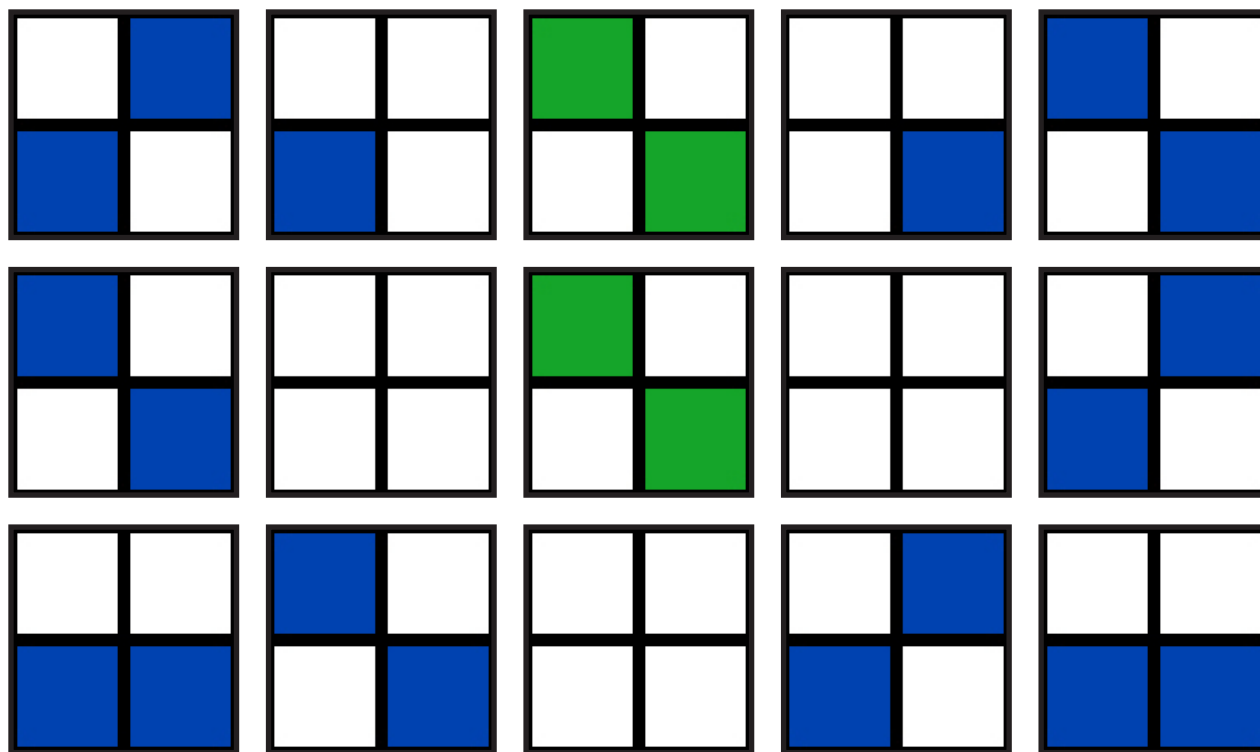
ROW COL NUM
01 - 01 - 01

2x2 Butterfly



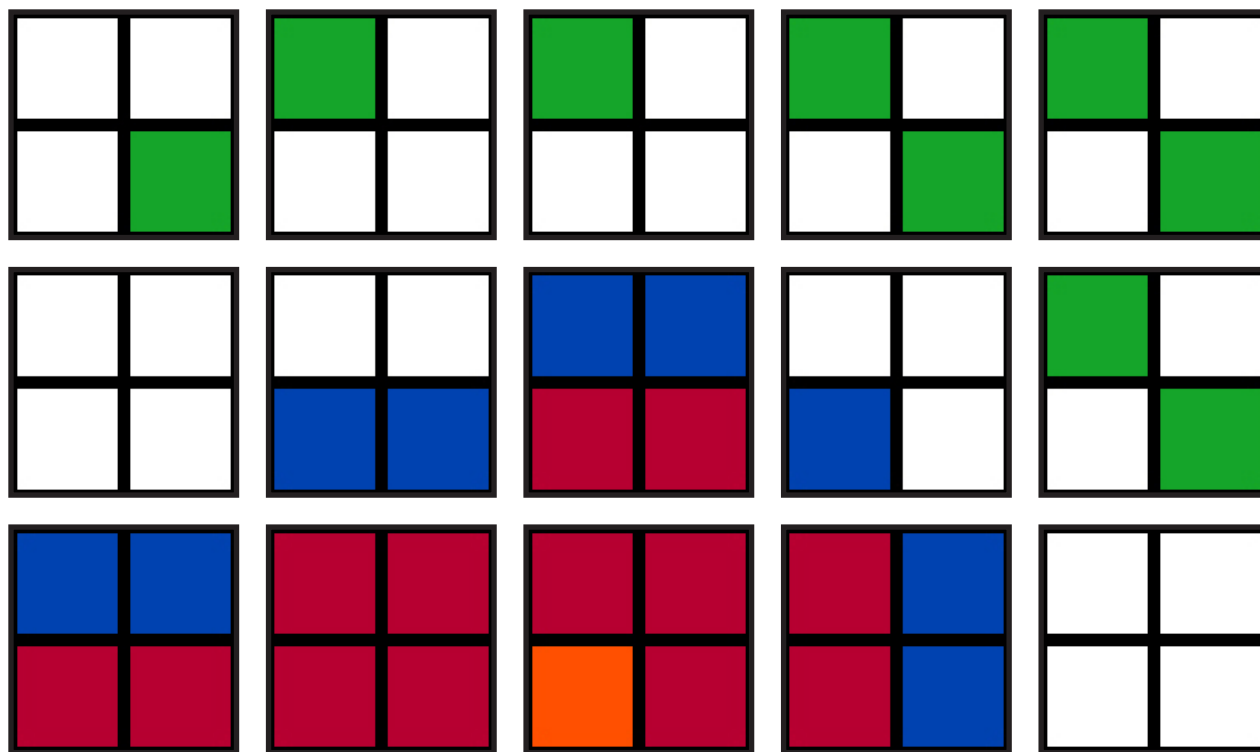
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01 - 02 - 02

2x2 Butterfly



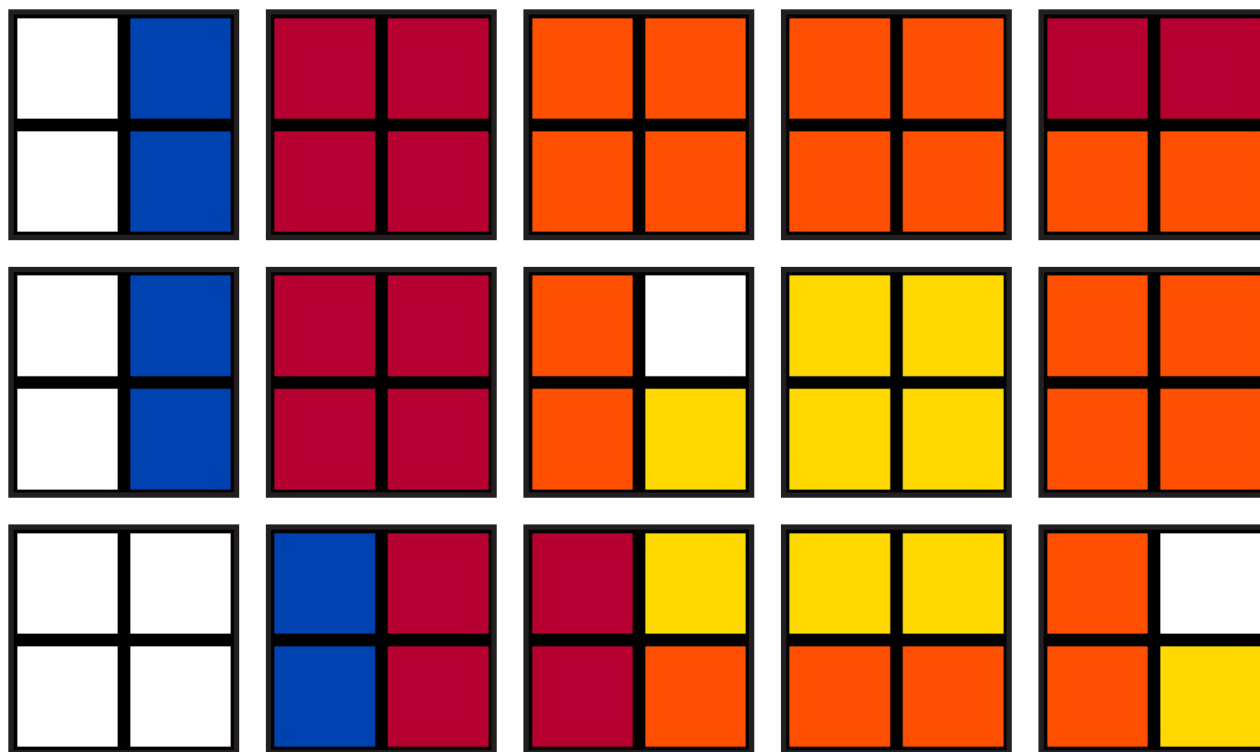
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01 - 03 - 03

2x2 Butterfly



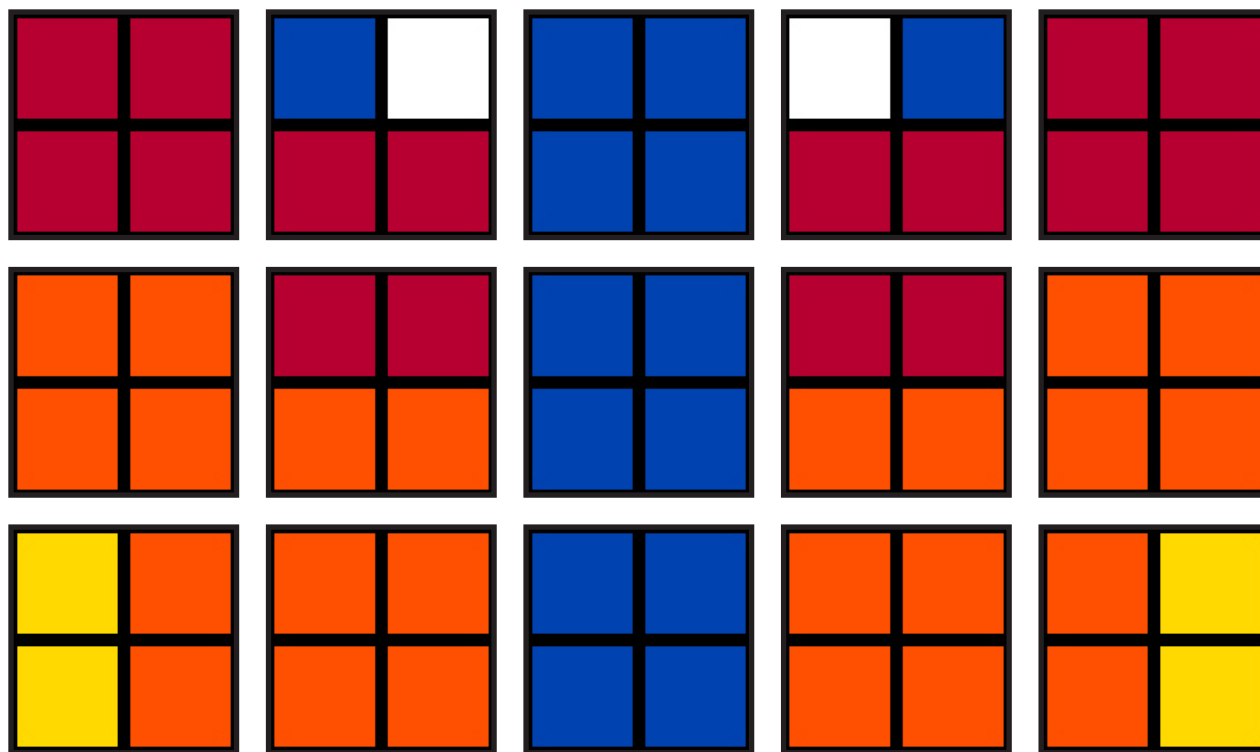
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02 - 01 - 04

2x2 Butterfly



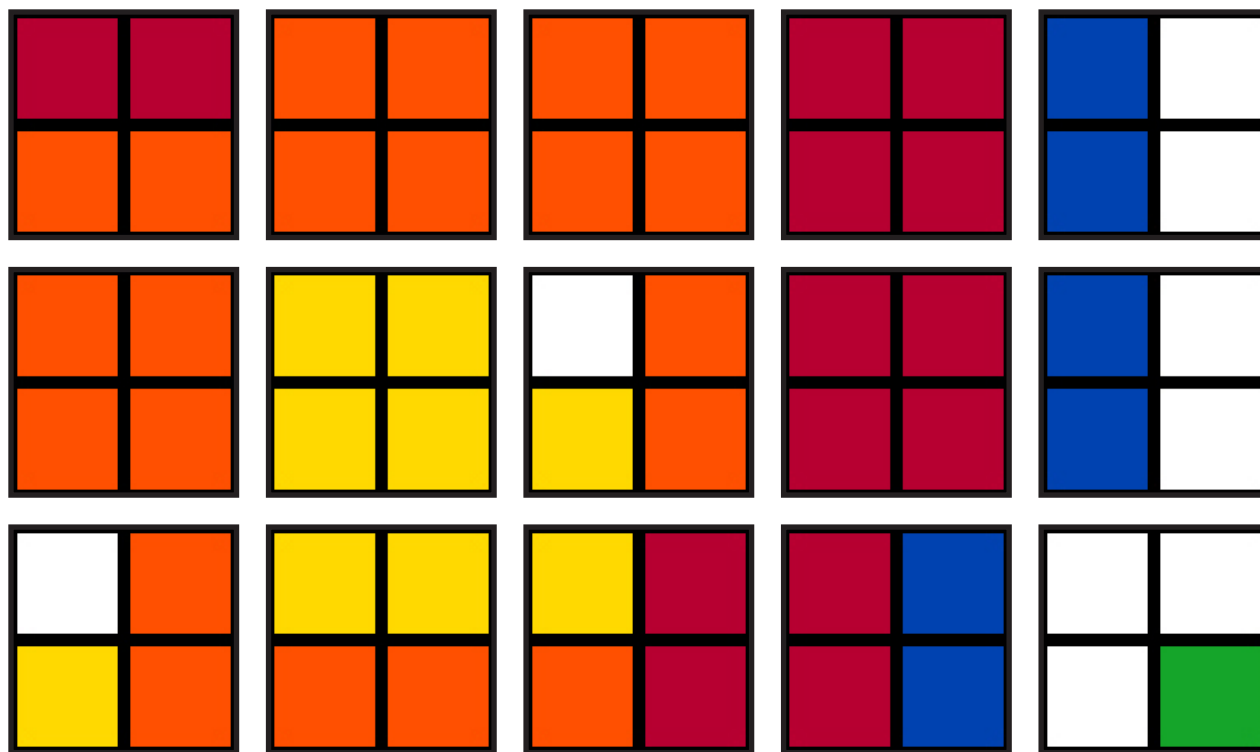
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02 - 02 - 05

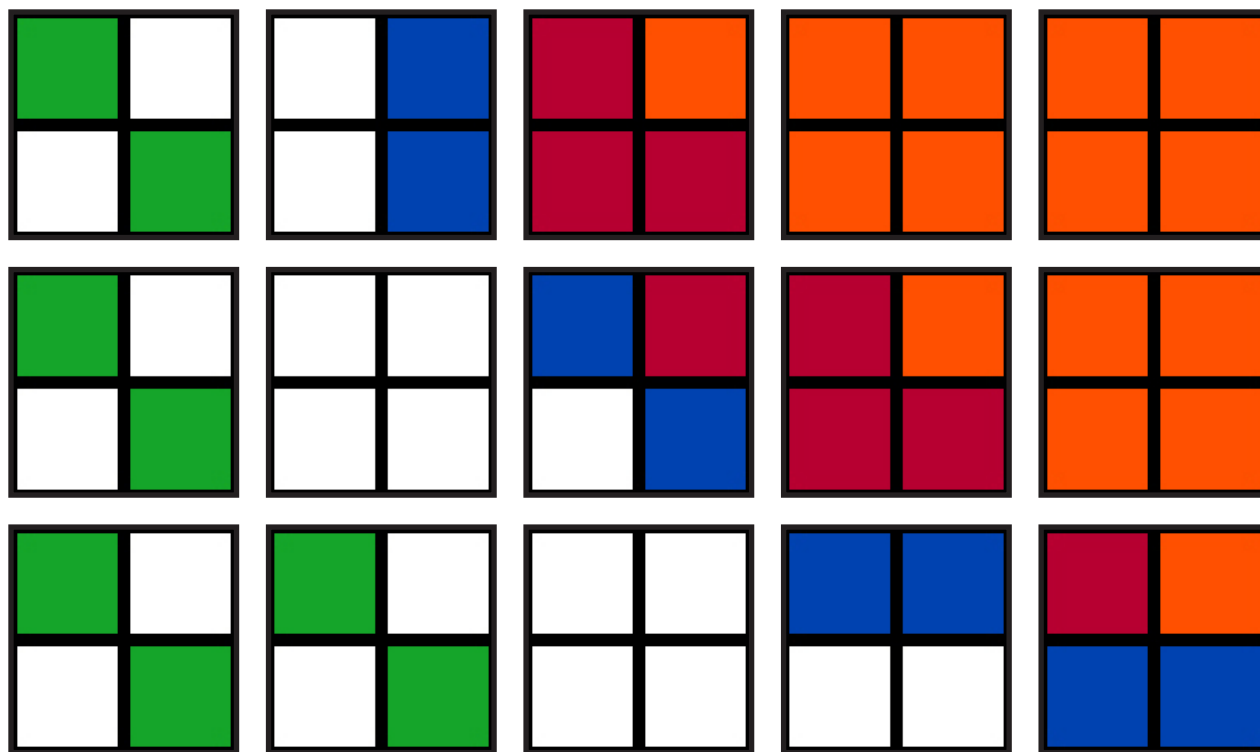
2x2 Butterfly



ROW COL NUM
02 - 03 - 06

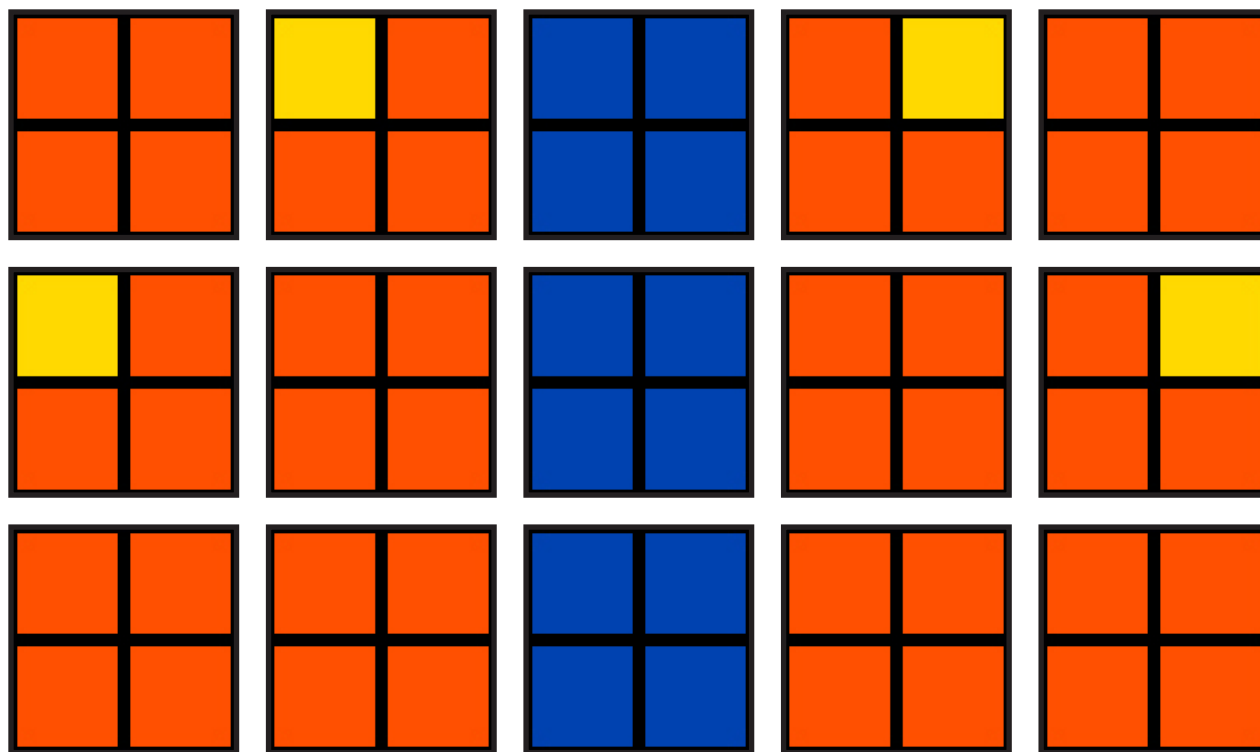
2x2 Butterfly

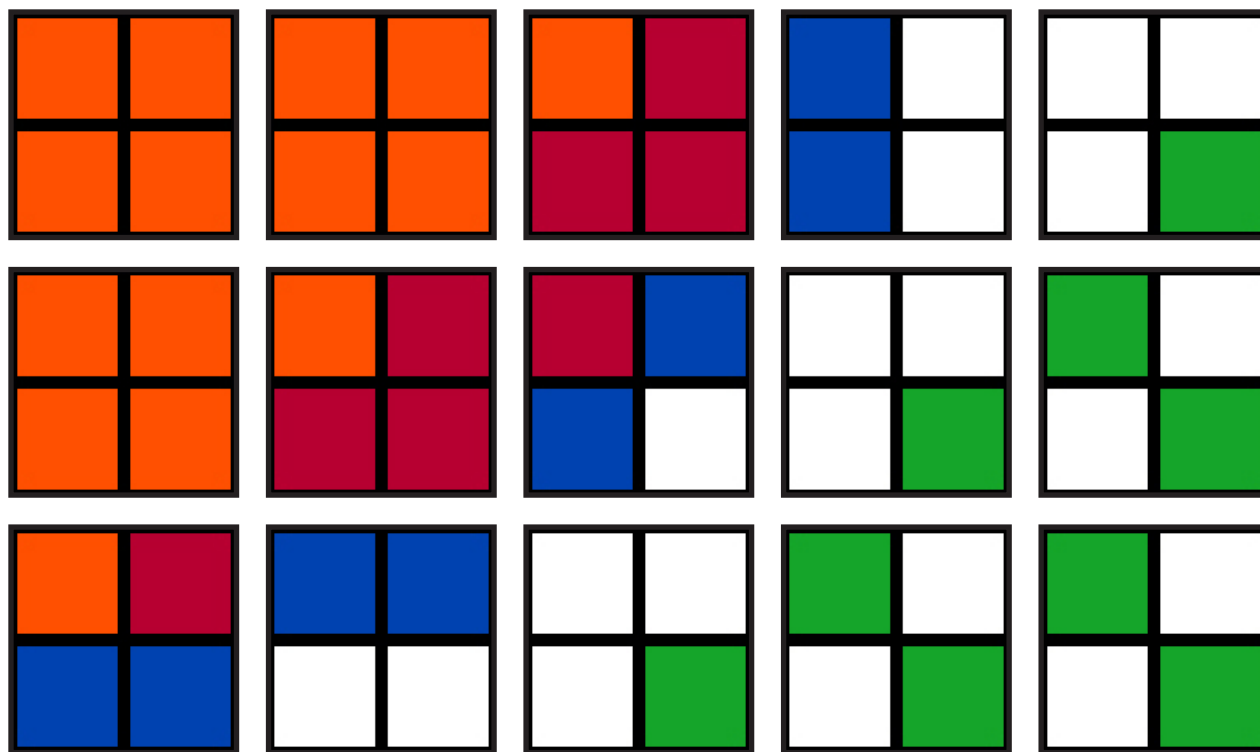


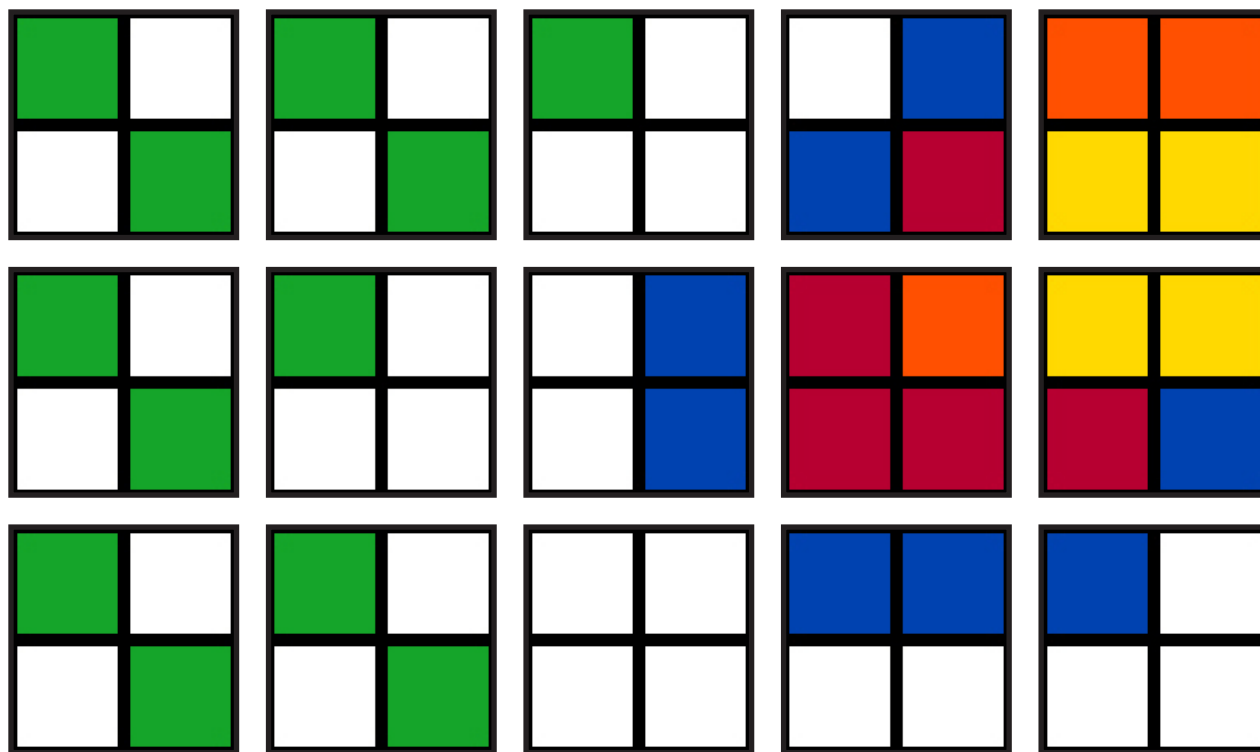


ROW COL NUM
03 - 02 - 08

2x2 Butterfly

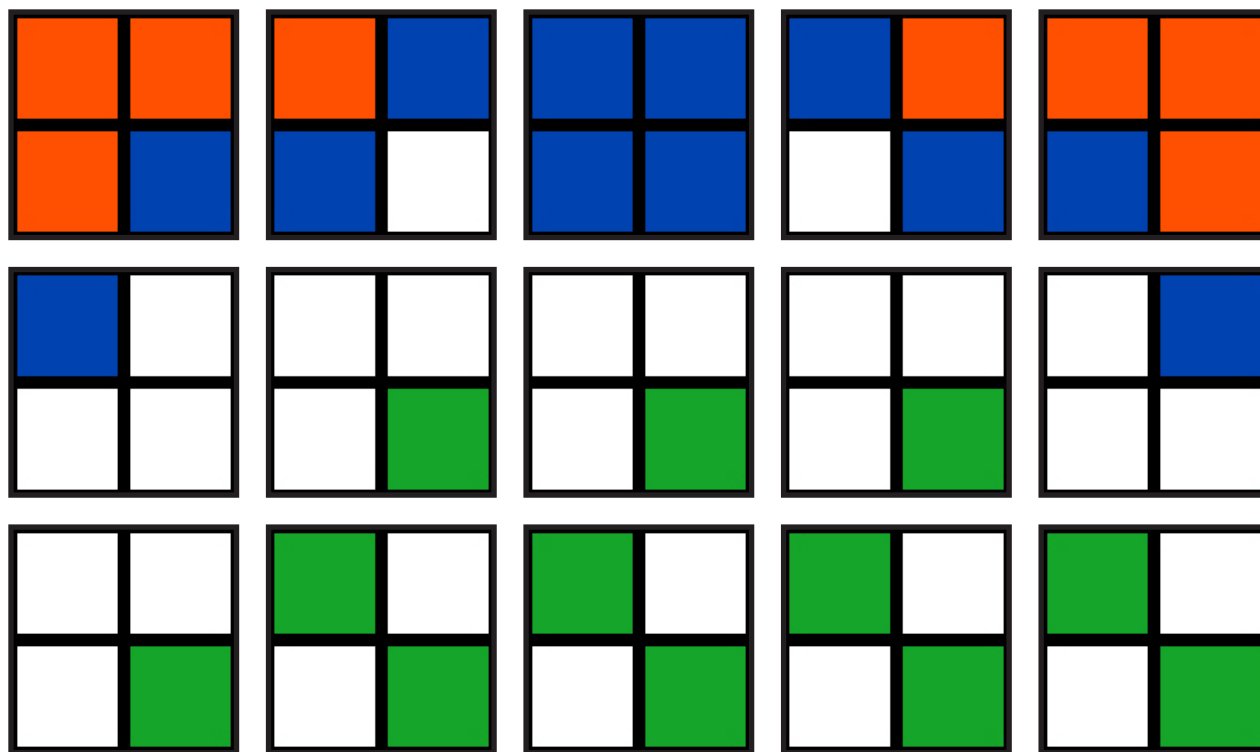


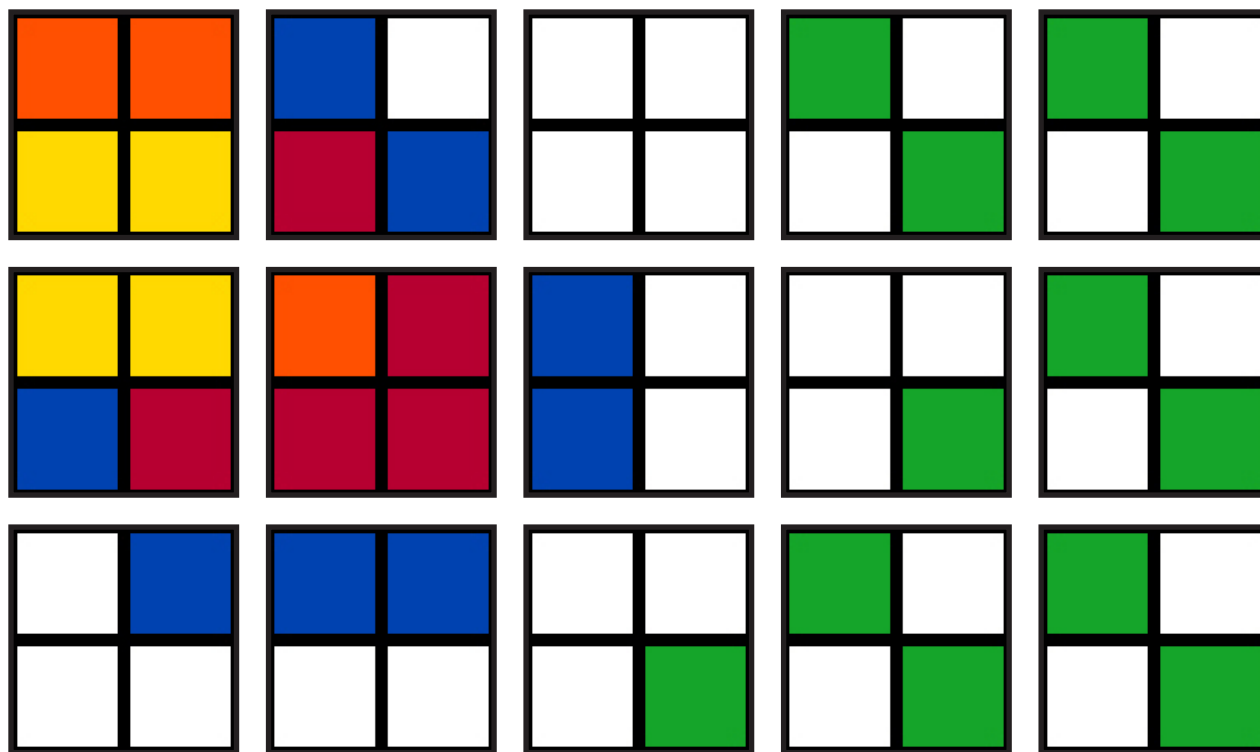




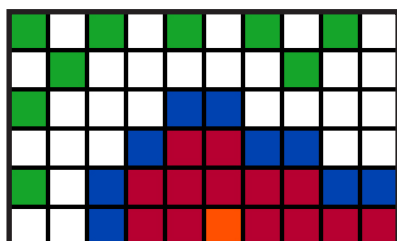
ROW COL NUM
04 - 02 - 11

2x2 Butterfly

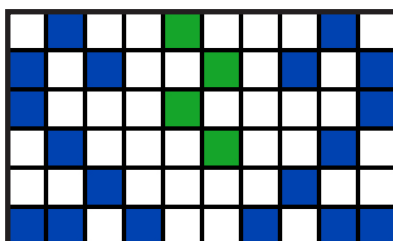




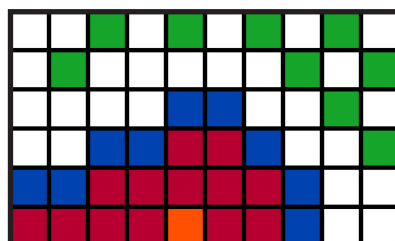
Leader's Sheet



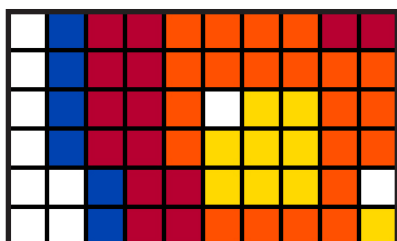
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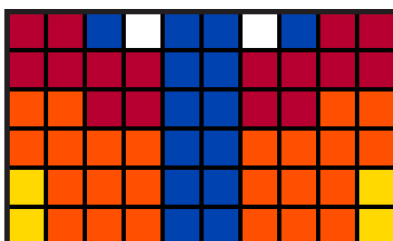
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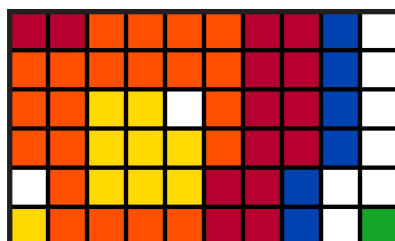
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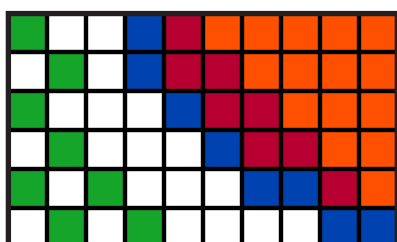
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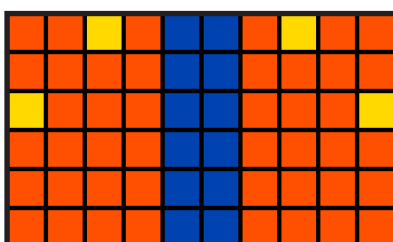
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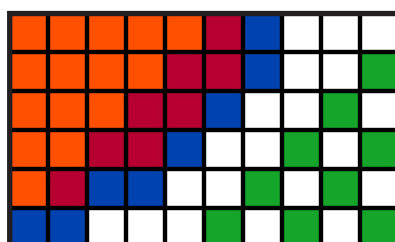
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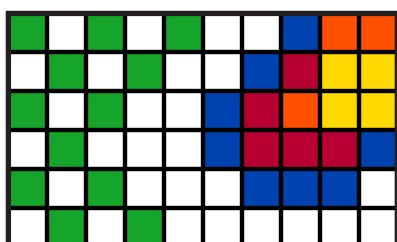
03-01-07



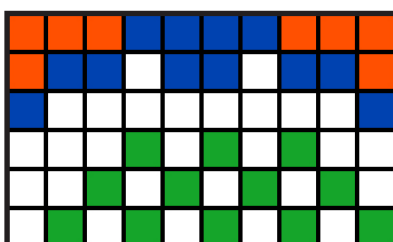
03-02-08



03-03-09



04-01-10



04-02-11



04-03-12