

Pyramorphix

Notation:

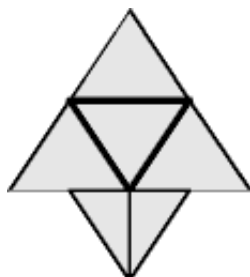
- **L+** ...turn the LEFT edge CLOCKWISE (1/4 turn)
- **L2** ...turn the LEFT edge HALF-WAY AROUND (1/2 turn)
- **L-** ...turn the LEFT edge COUNTER-CLOCKWISE (1/4 turn)

- **R+** ...turn the RIGHT edge CLOCKWISE (1/4 turn)
- **R2** ...turn the RIGHT edge HALF-WAY AROUND (1/2 turn)
- **R-** ...turn the RIGHT edge COUNTER-CLOCKWISE (1/4 turn)

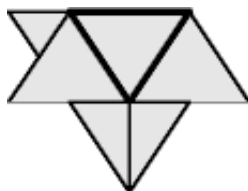
- **B+** ...turn the BACK spine CLOCKWISE (1/4 turn)
- **B2** ...turn the BACK spine HALF-WAY AROUND (1/2 turn)
- **B-** ...turn the BACK spine COUNTER-CLOCKWISE (1/4 turn)

Step 1: Transform the Puzzle Back to Normal

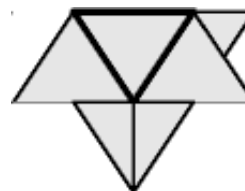
Because the puzzle mutates with each move, it may be hard to keep track of which side is what. Focus on the center tile (upside-down triangle) on the front side, and do not allow it to move at all during the transformation.



B- L- B+



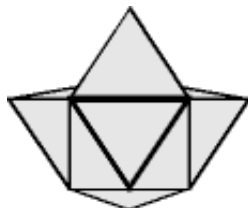
R+ B+



L- B-



B-



R2 L+

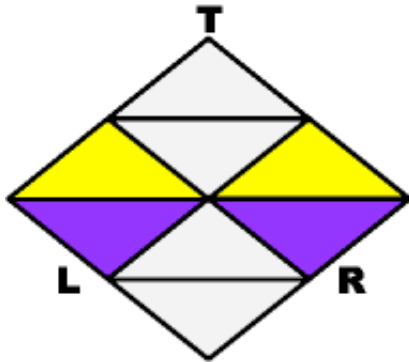


L- B+ R-

...Other solutions exist.

Step 2: Solve the Vertices

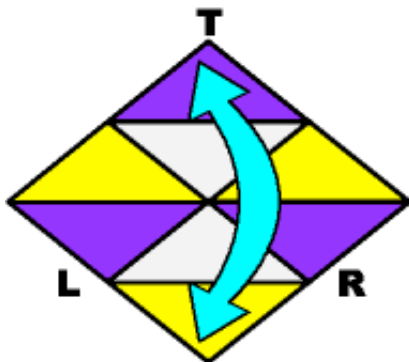
I. Match 2 Vertices Together



R2 (check)
B2 (check)
L2 (check)

*Repeat the 3 moves (4 times max)
 until 2 vertices match colors on 2 sides
 (the front and any other side).
 Check for a match between moves.*

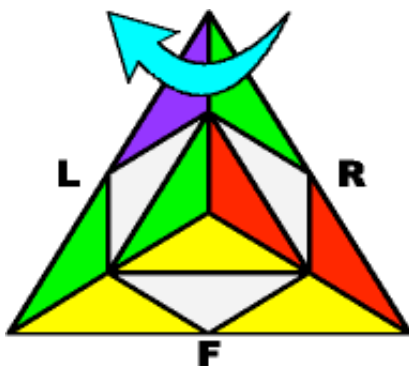
II. Swap the Other 2 Vertices in Place



B2

If and only if necessary.

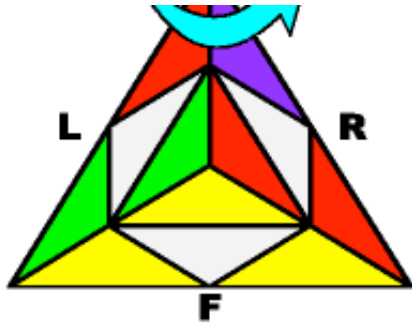
III a. Rotate a Single Vertice Clockwise



R+ B+ L+
R+ B+ L+
R+ B+ L+
R+ B+ L+

III b. Rotate a Single Vertice Counter-Clockwise





L- B- R-
 L- B- R-
 L- B- R-
 L- B- R-

Step 3: Solve the Faces

**Case I:
4-Way Exchange**



**B- R2 L+ B2
R+**

Result:
Your Pyramorphix is solved!

**Case II:
Double Swap**



**R2 B2 L2
R2 B2 L2**

Result:
Your Pyramorphix is solved!

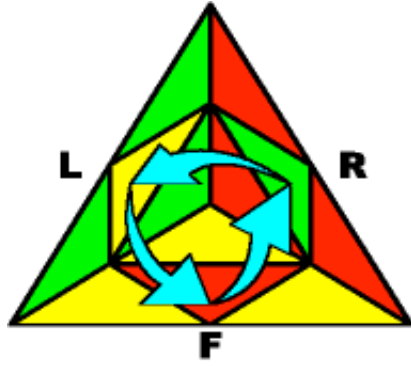
**Case III:
Clockwise Exchange**



**B- R2 L+ B2
R+**

Result:
Go to Case V

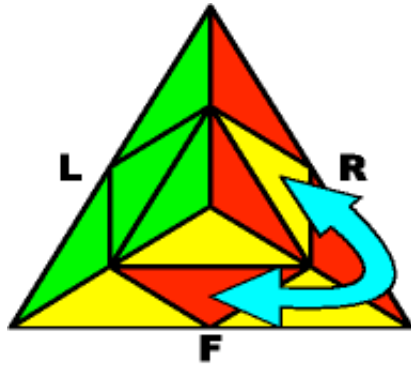
**Case IV:
Counter-
Clockwise
Exchange**



**B- R2 L+ B2
R+**

Result:
Go to Case I

**Case V:
Single Swap**



**R2 B2 L2
R2 B2 L2**

Result:
Go to Case I

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