

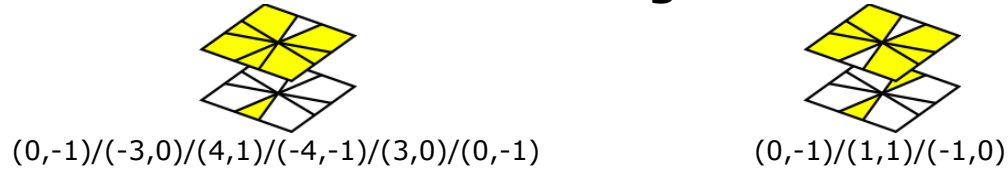
# Basic Square-1 Algorithms

Arranged by Andy Klise of <http://www.kungfoomanchu.com>

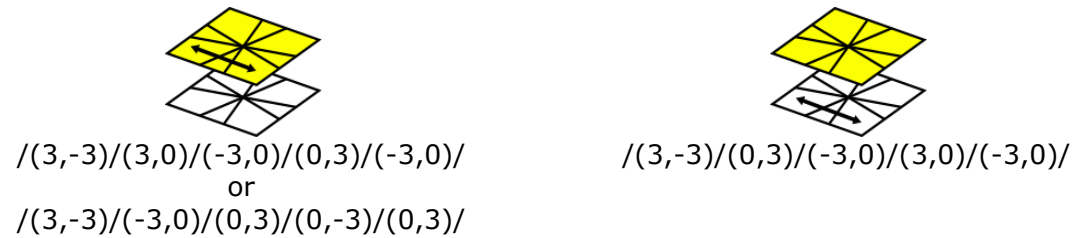
## Orient Corners



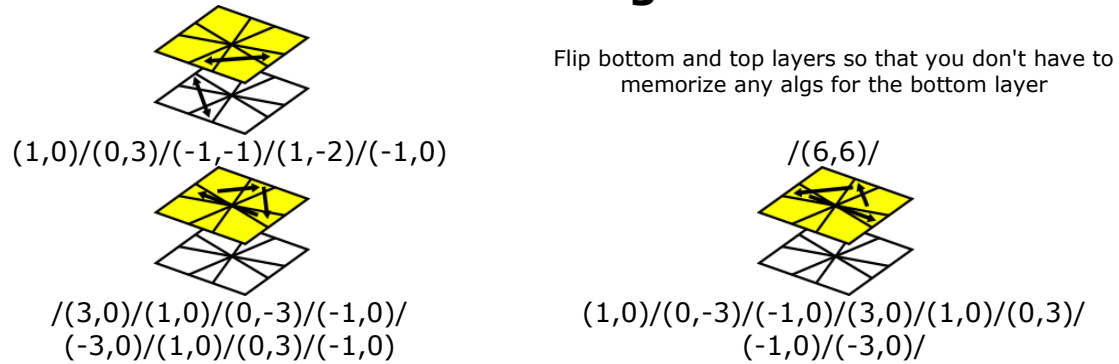
## Orient Edges



## Permute Corners

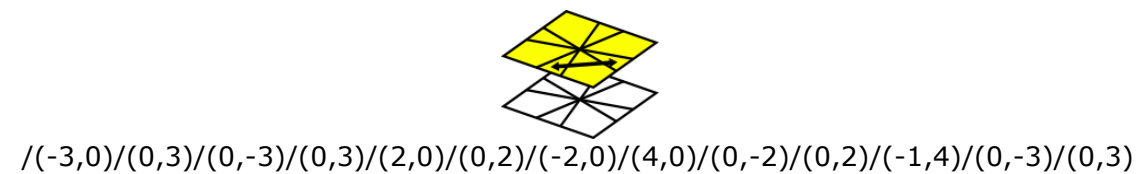
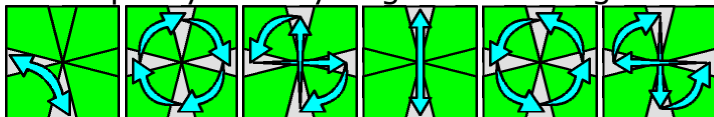


## Permute Edges

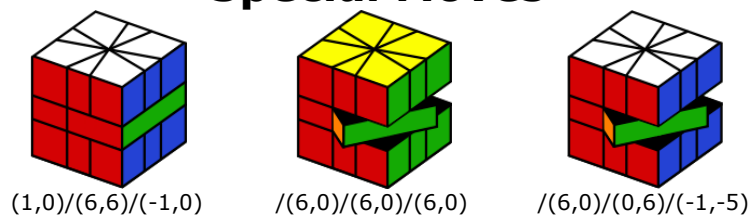


## Parity

Perform parity when you get something like this



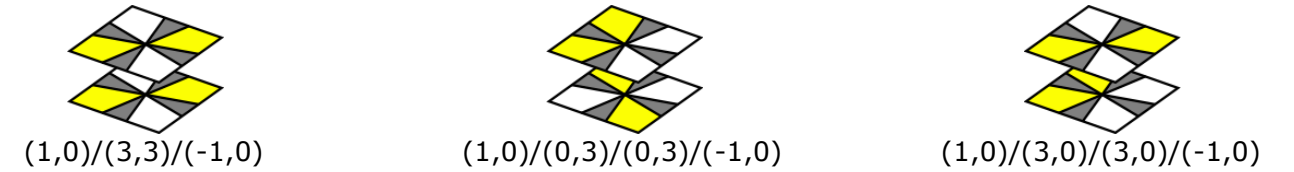
## Special Moves



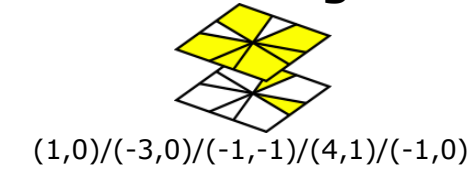
# Advanced Square-1 Algorithms

Use these in addition to the Basic Algorithms

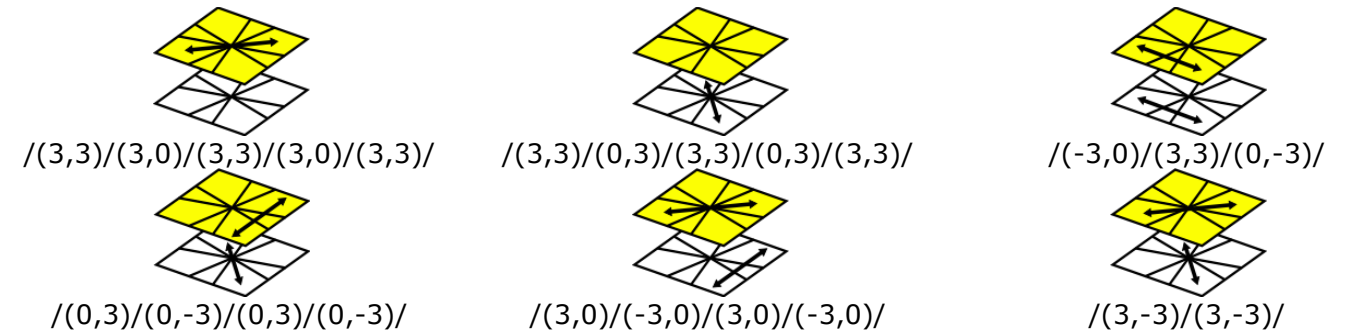
## Orient Corners



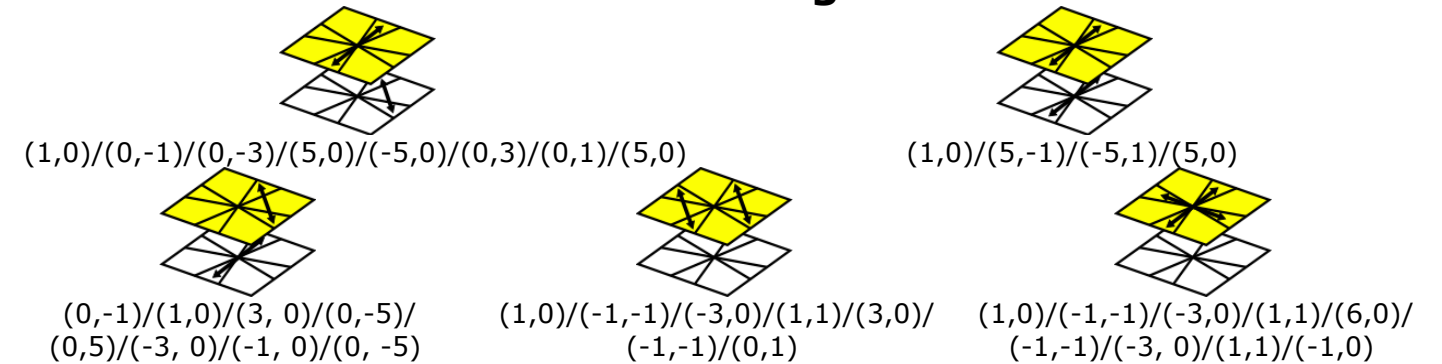
## Orient Edges



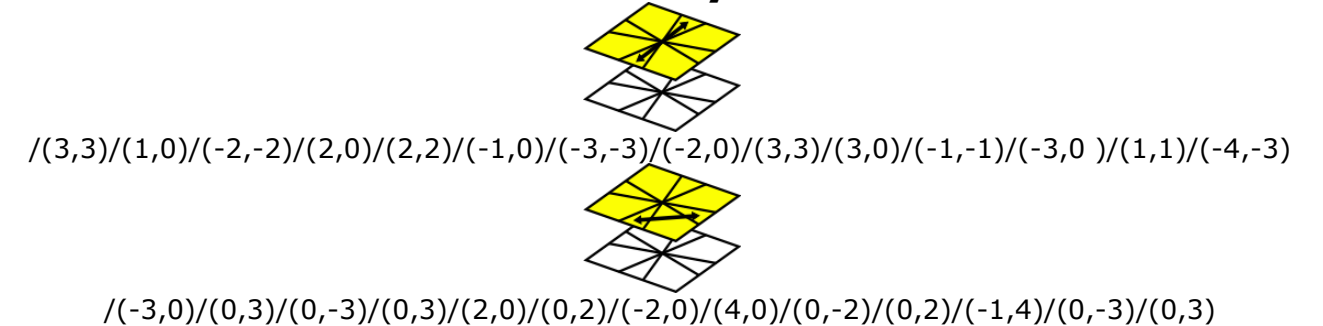
## Permute Corners



## Permute Edges



## Parity



## Credits

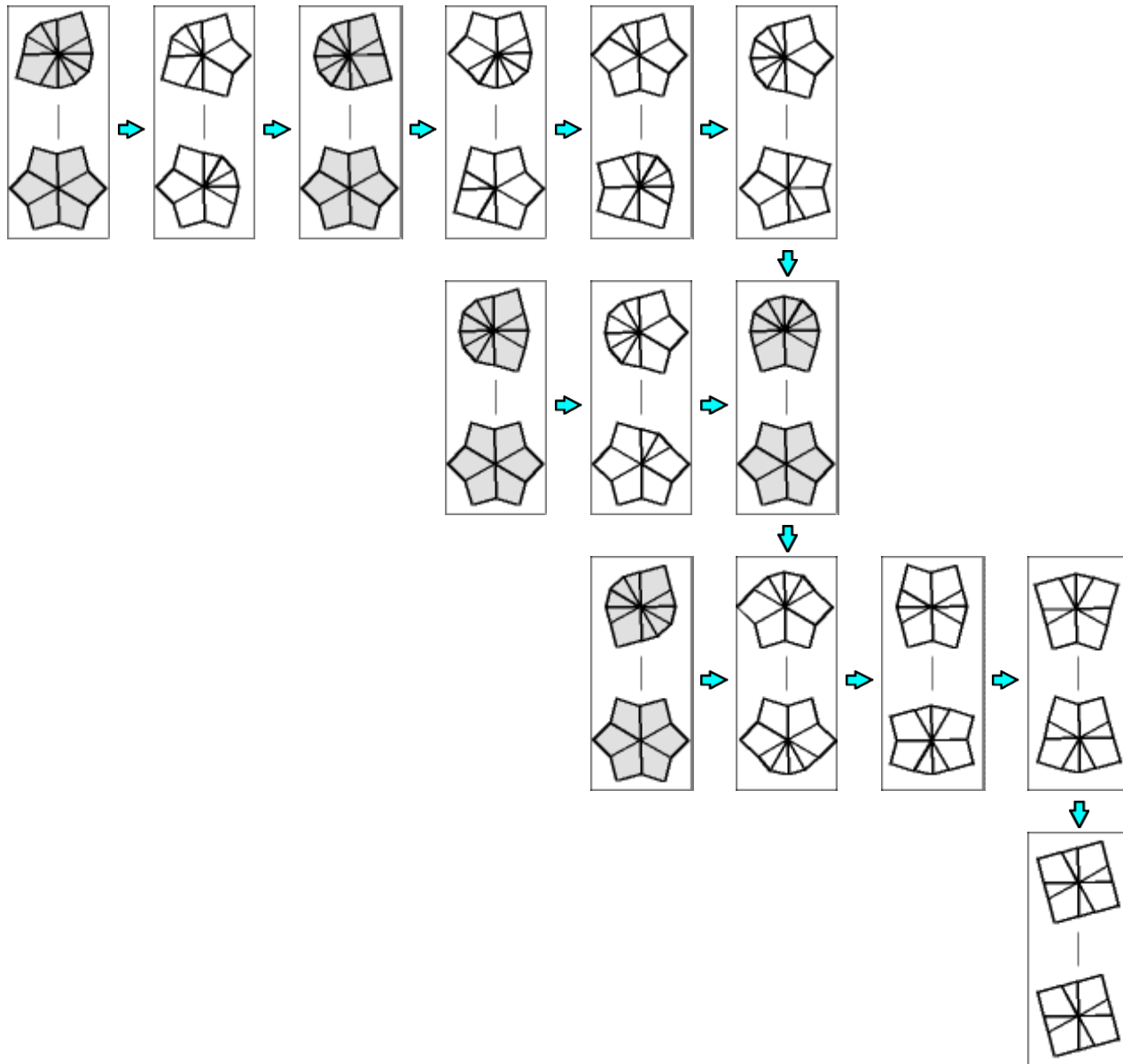
Weston - <http://www.youtube.com/watch?v=6iPhuY-KvzE>  
 Lars Vandenberg - <http://www.cubezone.be/square1step5.html>  
 Dan Cohen and whoever it was that made the odd shape pictures

For more guides just like this, visit my website - <http://www.kungfoomanchu.com/>

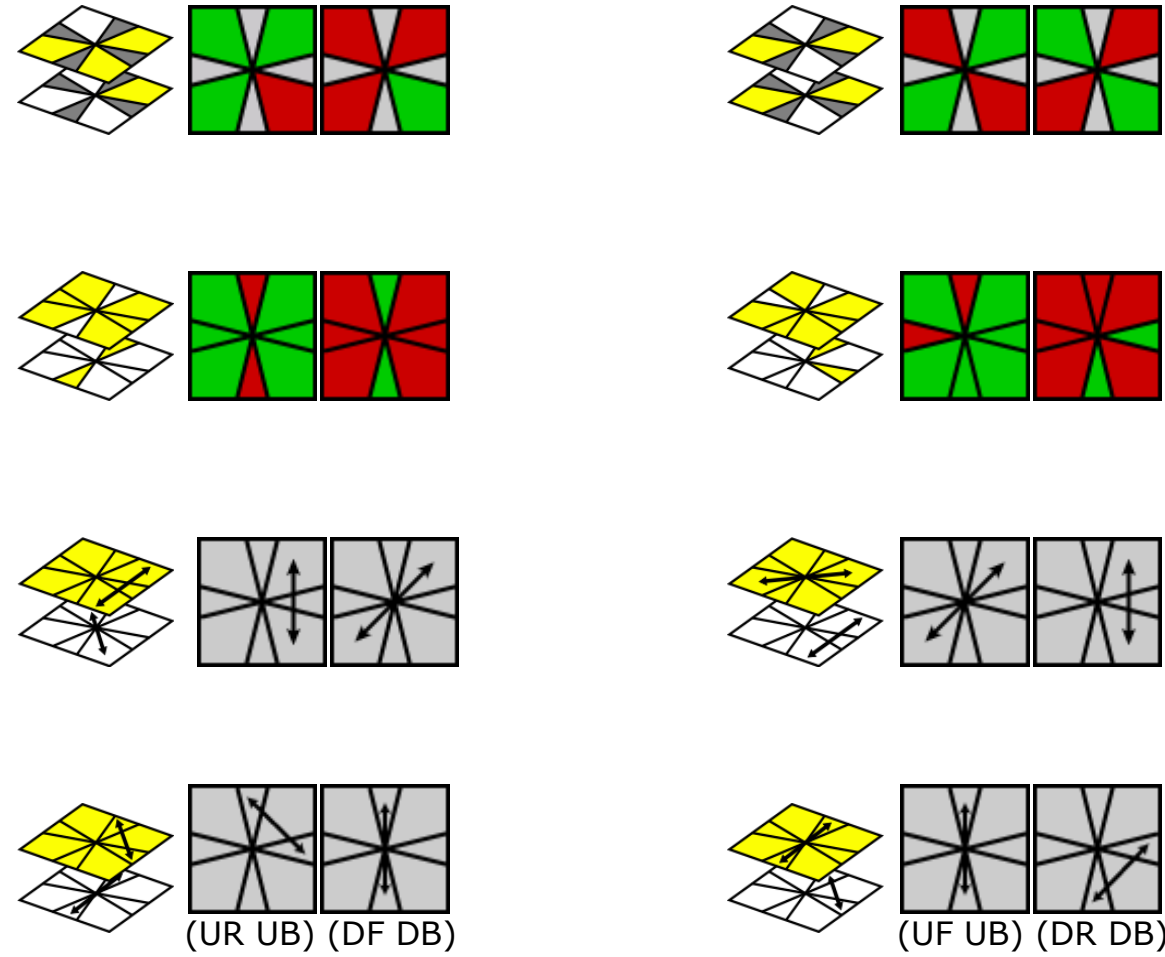
# Getting the Square-1 into a Cube



- Step I:** Get the puzzle into 3 distinct layers
- Step II:** Fill one layer with 6 large wedges
- Step III:** Transform the puzzle into a cube
- Step IV:** Orient Corners then Orient Edges
- Step V:** Permute Corners then Orient Edges
- Step VI:** Fix Parity and do Special Moves



## Notation



### Notation

- Top layer 30°** (1/12 turn) **CW** (1,0)  
*Note: a small wedge is 30° wide*
- Top layer 60°** (1/6 turn) **CW** (2,0)  
*Note: a large wedge is 60° wide*
- Top layer 90°** (1/4 turn) **CW** (3,0)
- Top layer 180°** (half-way around) (6,0)
- Top layer 90°** (1/4 turn) **CCW** (-3,0)
- Top layer 60°** (1/6 turn) **CCW** (-2,0)
- Top layer 30°** (1/12 turn) **CCW** (-1,0)
  
- Rotate the entire **RIGHT SIDE 180°** ) (
  
- Bottom layer 30°** (1/12 turn) **CW** (0,1)
- Bottom layer 60°** (1/6 turn) **CW** (0,2)
- Bottom layer 90°** (1/4 turn) **CW** (0,3)
- Bottom layer 180°** (half-way around) (0,6)
- Bottom layer 90°** (1/4 turn) **CCW** (0,-3)
- Bottom layer 60°** (1/6 turn) **CCW** (0,-2)
- Bottom layer 30°** (1/12 turn) **CCW** (0,-1)