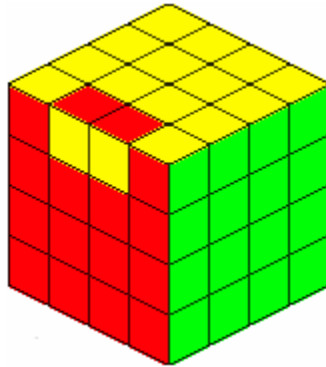


4x4x4 Parity Algorithms with Video Demonstration

Tutorial and Video Prepared by [Dr. Jason J. Campbell](#)

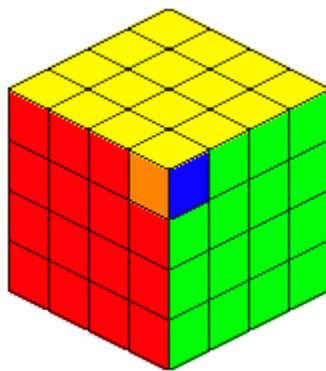
1. Inside Edge Parity



$r2\ B2\ U2\ 1\ U2\ r'\ U2\ r\ U2\ F2\ r\ F2\ l'\ B2\ r2$

[Video Demonstration](#)

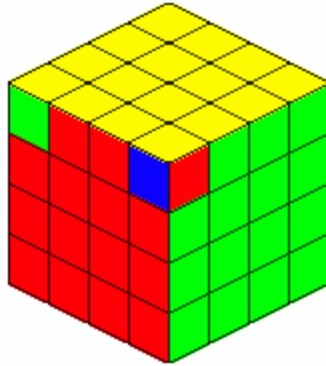
2. Diagonal Parity



$(Uu)2\ (Ll)2\ U2\ 12\ U2\ (Ll)2\ (Uu)2\ R\ U'\ L\ U2\ R'\ U\ R\ L'\ U'\ L\ U2\ R'\ U\ L'\ U$

[Video Demonstration:](#) (1:44 minute mark)

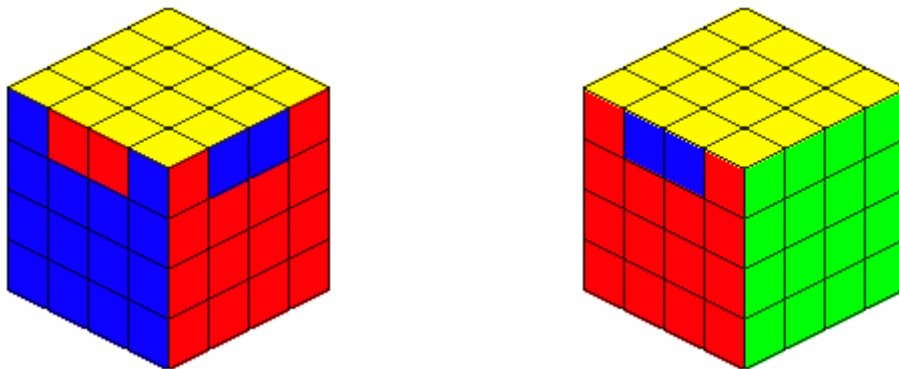
3. Corner Parity



$(Uu)^2 (Ll)^2 U^2 l^2 U^2 (Ll)^2 (Uu)^2 F' U' F U F R' F^2 U F U$
 $F' U' F R$

[Video Demonstration](#): (3:57 minute mark)

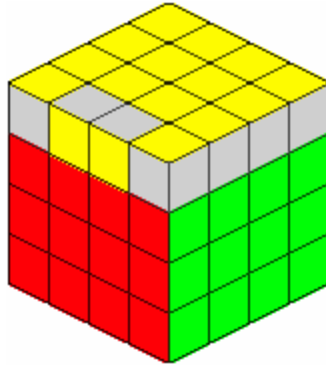
4. Double Edge Parity



$(Uu)^2 (Ll)^2 U^2 l^2 U^2 (Ll)^2 (Uu)^2$

[Video Demonstration](#): (5:58 minute mark)

5. Back Cross Parity



$(Rr)^2 B^2 U^2 (Ll) U^2 (Rr)' U^2 (Rr) U^2 F^2 (Rr) F^2 (Ll)' B^2 (Rr)^2$

[Video Demonstration](#): (7:22 minute mark)