

# Big cubes parities

Edge flip

$R U R' \cdot F R' F' R$

OLL parity

$2R' U2 \cdot 2L F2 2L' F2 \cdot 2R2 U2 \cdot 2R U2 2R' U2 \cdot F2 2R2 F2$   
link in 5x5   link in 4x4

PLL parity

$2R2 U2 \cdot 2R2 Uw2 \cdot 2R2 2U2$