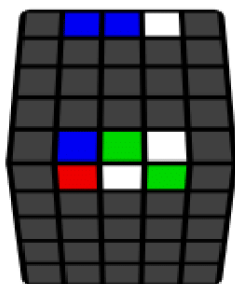
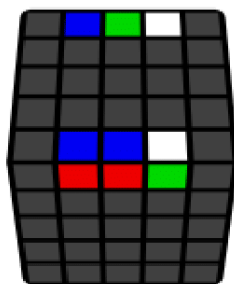


# PI Cubing

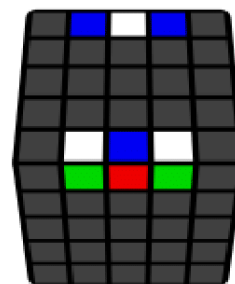
## No Parity Cases



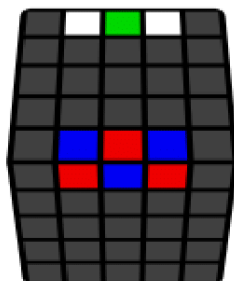
$Rw' U' R' U (R' F R F') Rw$   
 $[z' y'] Uw' (R U R' F R' F' R) Uw$



$3Lw U' R' U (R' F R F') Rw'$   
 $[z' y'] 3Dw (R U R' F R' F' R) Uw'$

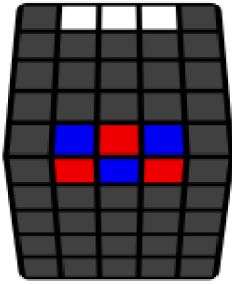


$Rw2' F2 U2' Rw2' U2' F2 Rw2$

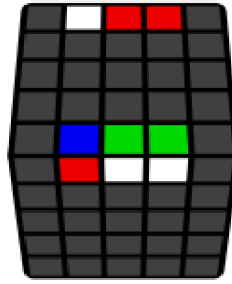


$Rw' Lw U' R' U (R' F R F') Rw Lw'$   
 $[z' y'] Uw' Dw (R U R' F R' F' R) Uw Dw'$

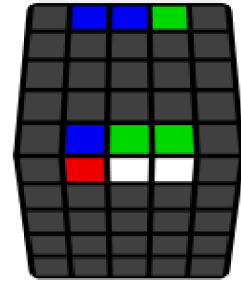
## Parity Cases



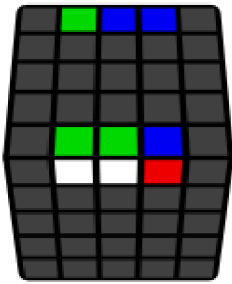
Rw U2 x Rw U2 Rw U2' Rw' U2 Lw U2  
3Rw' U2' Rw U2 Rw' U2' Rw'



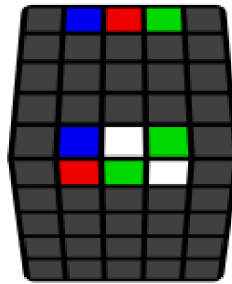
Rw U2 Rw U2' x U2 Rw U2' 3Rw' U2  
Lw U2' Rw2



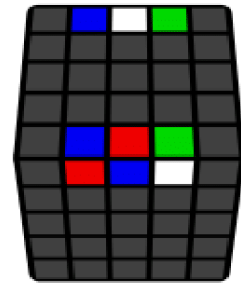
F2 Rw U2 Rw U2' Rw' F2 Rw' U2 Rw'  
U2' Rw U2 Rw' U2' Rw2



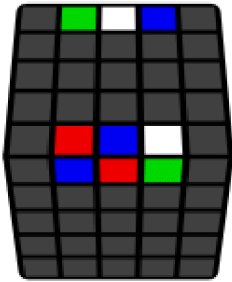
B2 Rw' U2 Rw' U2' Rw B2 Rw U2 Rw  
U2' Rw' U2 Rw U2' Rw2



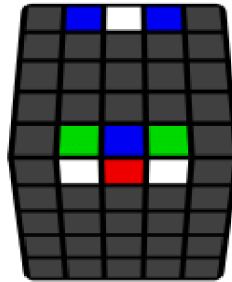
Rw U2 Rw2 U2' Rw' U2 Rw U2' Rw' U2  
Rw2 U2' Rw



Rw' U2' Rw2 U2' Rw U2' Rw' U2 Rw  
U2' Rw2 U2' Rw'



Rw' U2 Rw U2' 3Lw' U2 Rw U2 Rw  
U2' Rw' U2 Rw U2' Rw2



Rw2 B2 Rw' U2 Rw' U2' x'  
U2 Rw' U2' Rw U2 Rw' U2' Rw2