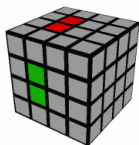


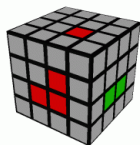
Andy Klise's 4x4x4 Guide

Centers (Pochmann Style)

1. Solve white centers
2. Rotate so white centers are on L face
3. Solve 2x1 blocks in Lw slice as seen below
4. Rotate so white centers are on D face
5. Shoot pieces on U face to proper side using algs below



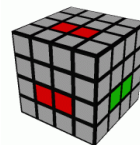
Solved 2x1 blocks in Lw slice



$Rw' F Rw$
 $Lw' U Lw$



$Rw U' Rw'$
 $Lw F' Lw'$



$Rw' F Rw^2 U' Rw'$

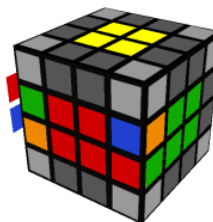
Pair Edges



$Dw (R U') R' Dw'$
See 2-Pair on reverse

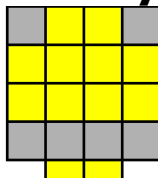


$Dw (R F') U (R' F) Dw'$
 $Dw R U R' F R' F' R Dw'$



$L^2 Dw^2 [(R F') U (R' F)] Dw^2$

Orient Last Layer Parity

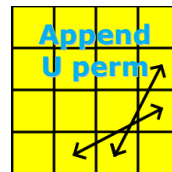
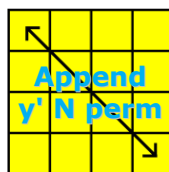
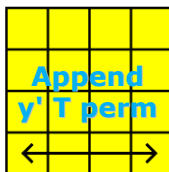
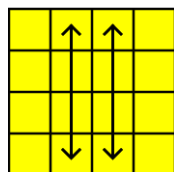


$$Rw^2 B^2 Rw' U^2 Rw' U^2 x' U^2 Rw' U^2 Rw U^2 Rw' U^2 Rw^2 U^2*$$

$$Rw^2 B^2 (U^2 Lw U^2 Rw')(U^2 Rw U^2)(F^2 Rw F^2 Lw') B^2 Rw^2$$

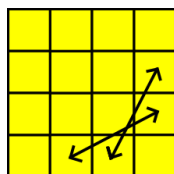
* - solves OLL + PLL parity simultaneously

Permute Last Layer Parity



$$Uw^2 Rw^2 U^2 (Rw^2 R'^2) U^2 Rw^2 Uw^2$$

$$(Rw^2 R^{2'}) U^2 (Rw^2 R^{2'}) Uw^2 (Rw^2 R^{2'}) Uw^2$$











Quicker ways to do this case

$$R' U R U Uw^2 Rw^2 U^2 (Rw^2 R'^2) U^2 Rw^2 Uw^2 U' R' U' R$$

















$$L^2 D x Uw^{i2} Lw^{i2} U^{i2} (Lw^{i2} L^2) U^{i2} Lw^{i2} Uw^{i2} x' D' L^2$$

Last Two Centers (Method 2)















			
Solved	$R' Dw' F Dw$	$F Dw R Dw^2 F^2 Dw$	$Dw R^2 Dw^2 F^2 Dw$
			
$Uw F' Uw' F Uw F^2 Uw'$	$Uw' R Uw R' Uw' R^2 Uw$	$R Dw' F Dw^2 R Dw'$	$R^2 Dw R^2 Dw'$

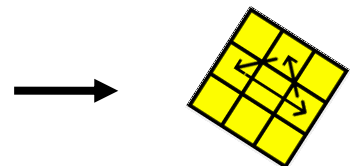
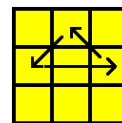
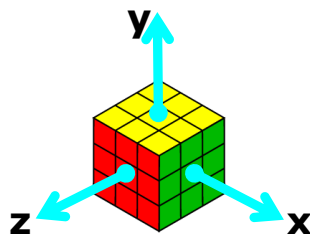
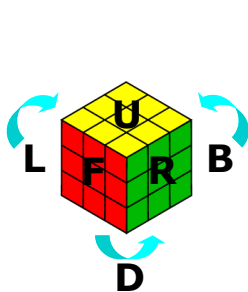
Example 2 Pair Cases (Vertical)

Pick your favorite few and stick to those

			
$r U' R U Rw'$	$r F' U' F U Rw'$	$Rw F U' F' U Rw'$	$Rw U L' U' Rw'$
			
$r F' U F U' Rw'$	$r U' R U Rw'$	$Rw U L' U' Rw'$	$Rw F U' F' U Rw'$
			
$Lw' F' U F U' Lw$	$Lw' U' R U Lw$	$I' U L' U' Lw$	$I' F U' F' U Lw$
			
$Lw' U' R U Lw$	$Lw' F' U F U' Lw$	$I' F U' F' U Lw$	$I' U L' U' Lw$

Notation





						
R	R'	R ²	Rw	Rw'	r	r'
						
U	U'	U ²	Uw	Uw'	u	u'



Credits

Chris Hardwick - <http://www.speedcubing.com/chris/>
 Frank Morris & Clancy Cochran - <http://www.bigcubes.com/>
 Josef Jelinek - <http://software.rubikscube.info/icube/>
 Stefan Pochmann - <http://www.stefan-pochmann.info/>
 Dan Harris, Frédéric Badie and everyone else

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

	→	
$R^2 B U R'$		
	→	
$R^2 B^2 y'$		