

3x3 OLL



All Edges

R U2 R' U' R U' R'	R U R' U R U2 R'	R U2 R' U' R U R' U' R U' R'	R U2 R2 U' R2 U' R2 U2 R	I' U' L U R U' L' U	I' U' L' U R U' L' U
R2 D R' U2 R D' R' U2 R'					

Awkward Shapes

FR' FR2 U' R' U' R U' F2	R U R' U' R U' R' F' U' F R U R'	R U R' U R U2 R' F R U' U' F'	R' U' R U' R' U2 R F R U' U' F'

All Corners - Edges Flipped

r U R' U' M U R U' R'	R U R' U' M' U R U' r'

C Shapes

RUR ² U'R'FR URU'F'	R'U'R'FRF'U R

Fish Shapes

RUR'U'R'FR ² UR'U'F'	RUR'UR'FR F'R ² R'	R ² R ² FRF' R ² R'	FR'F'RURU' R'

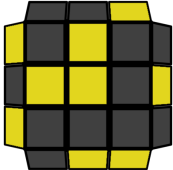
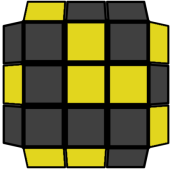
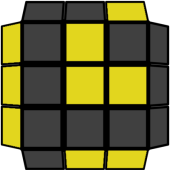
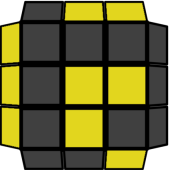
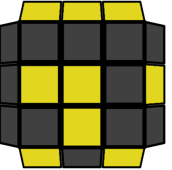
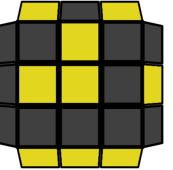
I Shapes

FURU'R'UR U'R'F'	r'U'rU'R'UR U'R'URr'Ur	RUR'URU'B U'B'R'	R'FRURU'R ² F'R ² U'R'UR UR'

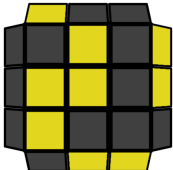
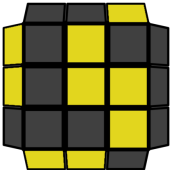
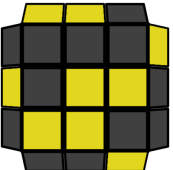
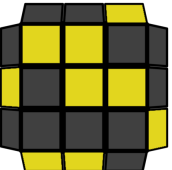
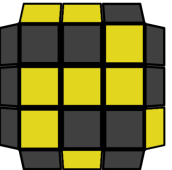
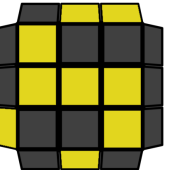
Knight Moves

FURU'R ² F'R URU'R'	R'FRUR'F'R FU'F'	(rUr')RUR'U' (rU'r')	(r'U'r)R'U'R (r'Ur)

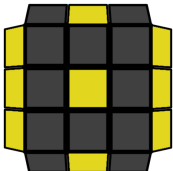
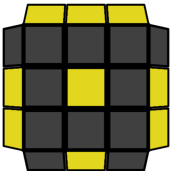
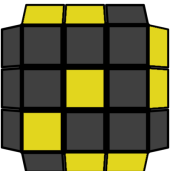
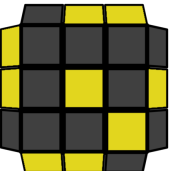
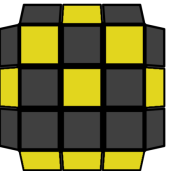
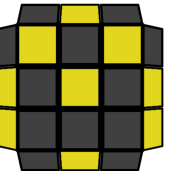
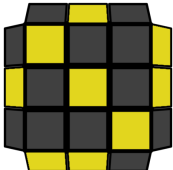
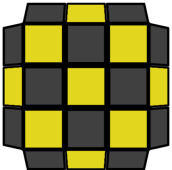
L Shapes

					
$FRUR'U'RU$ $R'U'F'$	$R'U'R'FRF'R'$ $FRF'UR$	$rU'r2UR2UR2$ $U'r$	$r'UR2U'r2U'r2$ $U'r'$	$r'(U2RUR'U'$ $RUR'U)r$	$rU2R'U'RUR'$ $U'RU'r'$

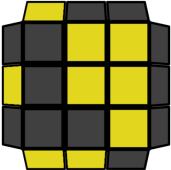
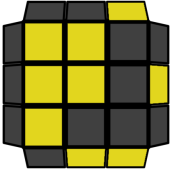
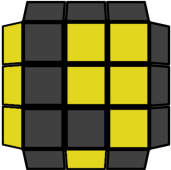
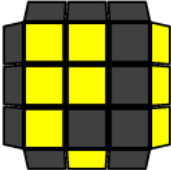
Lightning Bolts

					
$rUR'URU2r'$	$l'U'lU'l'U2l$	$r'R2UR'UR$ $U2R'UM'$	$M'R'U'RUR'R'$ $U2RU'M$	$LF'L'U'LUF$ $U'L'$	$R'FRUR'U'F'$ UR

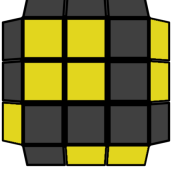
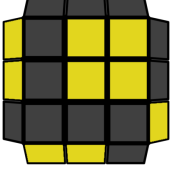
No Edges Oriented

					
$RU2R2FRF'$ $U2R'FRF'$	$rUr'lU2rU2R'$ $U2RU'r'$	$r'R2UR'UrU2$ $r'UM'$	$MUr'U2r'U'R$ $U'R'M'$	$rUR'URU2r2$ $U'RU'R'U2r$	$r'RURUR'U'$ $r(R2FRF')$
					
$FR'F'R2r'UR$ $U'R'U'M'$	$rUR'U'M2UR$ $U'R'U'M'U2$				

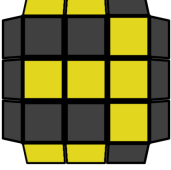
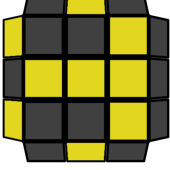
P Shapes

			
R'U'FURU'R' F'R	LUF'U'L'UL FL'	F'U'L'ULF	FURU'R'F'

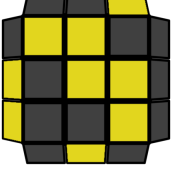
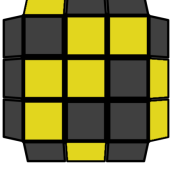
Square Shapes

	
l'U2LUL'Ul	rU2R'U'R'U'r'

T Shapes

	
RUR'U'R'FR F'	FRUR'U'F'

W Shapes

	
L'U'LU'L'UL ULF'L'F	RUR'URU'R' U'R'FRF'