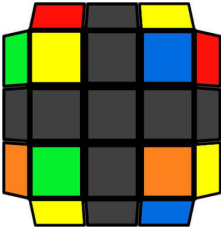
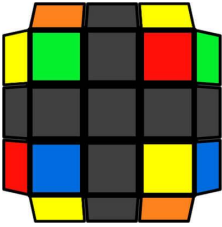
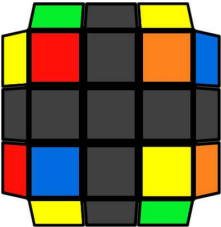
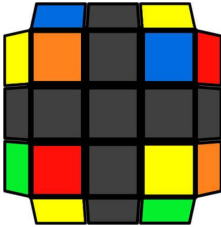
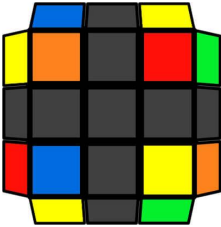
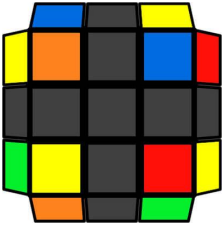
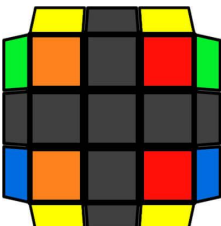
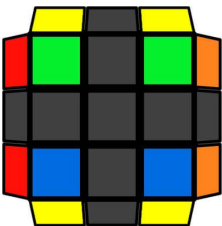
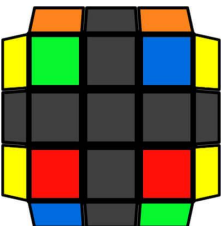
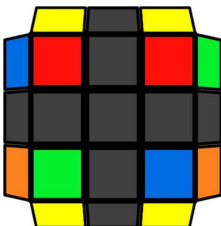


3x3 CMLL

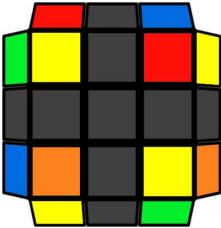
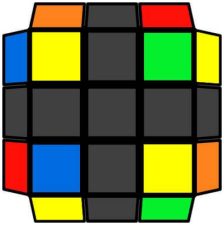
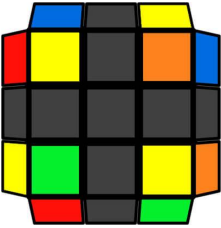
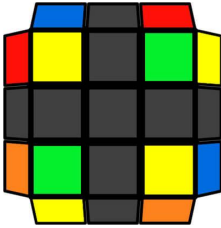
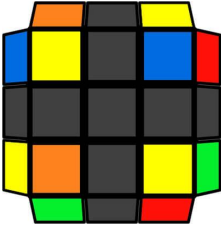
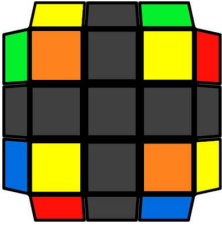
Anti-Sune Cases

			
$R' U' R U' R' U_2' R$	$R_2 D R' U R D' R' U R' U' R U' R'$	$(F' L F L') U_2' L' U_2 L$	$R U_2' R' U_2 (R' F R F')$
			
$L' U R U' L U R'$	$R' U' R U' R' U (R' F R F') U R$		

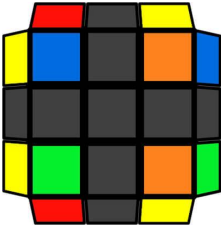
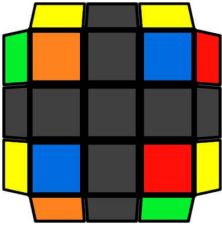
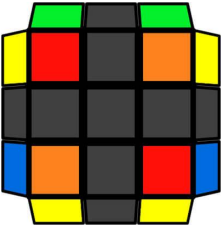
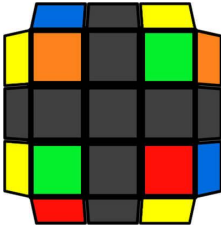
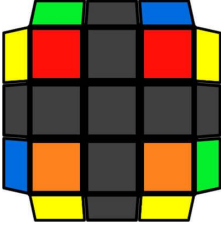
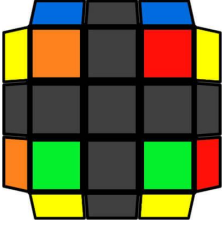
H Cases

			
$(R U_2 R' U') (R U R' U') R U' R'$	$F (R U R' U') (R U R' U') (R U R' U') F'$	$R U_2' (R_2' F R F') U_2 (R' F R F')$	$r U' r_2' D' r U' r' D r_2 U r'$

L Cases

			
$FRU'R'U'RUR'F'$	$FR'F'RURU'R'$	$(RU2R'U')(RUR'U')(RUR'U')RU'R'$	$RU2RDR'U2RD'R2'$
			
$R'U'RUR'F'(RUR'U')R'FR2$	$R'U2R'D'R U2R'DR2$		

P Cases

			
$F(RUR'U')(RUR'U')F'$	$(FR'F'R)U2RU'R'URU2'R'$	$R'FRUFU'(RUR'U')F'$	$(RU2R'U')(RUR'U2')(R'FRF')$
			
$rU'r2'D'rUR'Dr2Ur'$	$R'U'(R'FRF')RU'R'U2R$		

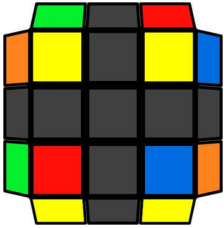
Sune Cases

$(R U R' U) R U^2 R'$	$L' U^2 L U^2' (L F' L' F)$	$F R' F' R U^2 R U^2' R'$	$R' U' R U' R^2' F' R U R$ $U' R' F U^2' R$
$(R U R' U) (R' F R F')$ $R U^2' R$	$R U' L' U R' U' L$		

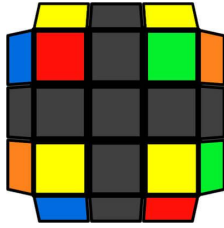
T Cases

$(R U R' U') (R' F R F')$	$(L' U' L U) (L F' L' F)$	$F R' F R^2 U' R' U' R U$ $R' F^2$	$r' U r U^2' (R^2' F R F')$ R
$r' D' r U r' D r U' r U r'$	$r^2' D' r U r' D r^2 U' r'$ $U' r$		

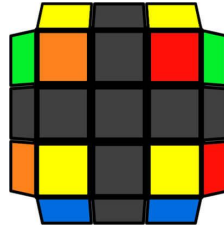
U Cases



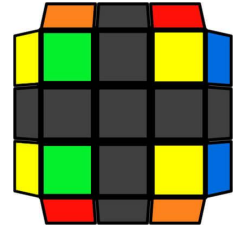
$R^2 D R' U^2 R D' R' U^2$
 R'



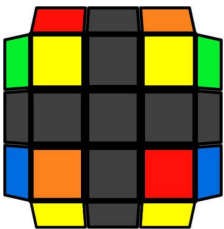
$R^2 D' R U^2 R' D R U^2$
 R



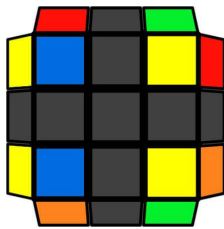
$R^2 F U' F U F^2 R^2 U'$
 $R' F R$



$F R^2 D R' U R D' R^2$
 $U' F'$



$r U' r' U r' D' r U' r' D r$



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