



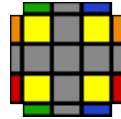
CMLL

Page 1



O Adjacent Solved

R U R' F' R U R' U' R' F R² U' R'
R U R' U' R' F R² U' R' U' R U R' F'
r U R' F' R U R' U' R' F R² U' r'
R U² R' U' R U² r' F R' F' r



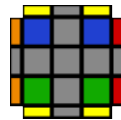
O Diagonal Solved

F R U' R' U' R U R' F' R U R' U' R' F R F'
R U' R² F R F' R U' B U² B' R'
F R' F R² U' R' U' R U R' F' R U R' U' F'
r² D' r U' r' D r² F' r' U r F



H Columns H

U R U R' U R U' R' U R U² R'
R U² R' U' R U R' U' R U' R'
r U' r' U' r U r' U r U r'
r U' r' U' r U r' U r U r'



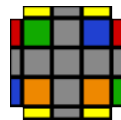
H Rows H

F R U R' U' R U R' U' R U R' U' F'
F U R U' R' U R U' R' U R U' R' F'
F U' R² D R' U² R D' R² U F'
F R U r' U' R U R' U' R U R' M' U' F'



H Column H

R' F² D R² U R² D' F² R
U R U² R² F R F' U² R' F R F'
U' F R U R' U' R U' R' U R U R' F'
U F R U R' U' F' R U R' U' R' F R F'



H Row H

U² r U' r² D' r U' r' D r² U r'
U' R U R' U R U r' F R' F' r
U' R U R' U R U L' U R' U' L
U² R U' R² D' r U' r' D R² U R'



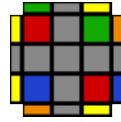
CMLL

Page 2



Pi Right Bar
Pi

F R U R' U' R U R' U' F'
U2 F U R U' R' U R U' R' F'
r' U r2 U' r2 U' r2 U r'
R U2 R2 U' R2 U' R2 U2 R



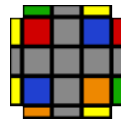
Pi Down Slash
Pi

U F R' F' R U2 R U' R' U R U2 R'
U F U R U' R2 F' R U2 R U2 R'
U M F R' F' r U2 R U' R' U R U2 R'
R' U2 R U R' U' R U2 R f U' f



Pi X
Pi

R' F2 D R2 U' R2 D' F2 R
U' R' F R U F U' R U R' U' F'
r' F2 D R2 U' R2 D' F2 r
U' F R U' R' U' R U R' U R U' R' F'



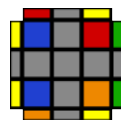
Pi Up Slash
Pi

R U2 R' U' R U R' U2 R' F R F'
R U2 R' U2 R' F R2 U R' U' F'
R U2 R' U' R U R' U2 r' F R F' M'
R U R' U' R' F R2 U R' U' R U R' U' F'



Pi Columns
Pi

U' r U' r2 D' r U r' D r2 U r'
U2 R' F R F' r U' r' U' R U' R'
U2 R' F R F' r U' R' U' R U' r'
U2 L' U R U' L U' R' U' R U' R'



Pi Left Bar
Pi

U' R' U' R' F R F' R U' R' U2 R
R' F' U' F U' R U R' U R
U2 R U R' U R U' B U' B' R'
U' r U R' U R' F R F' R U' R' U R U2 r'



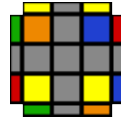
CMLL

Page 3



U Up Slash
U

U2 R2 D R' U2 R D' R' U2 R'
U2 R r D r' U2 r D' r' U2 R'
F R' F' U2 R U R U' R' U R' U R
R' U2 R U2 F U' R' U R U F'



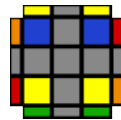
U Down Slash
U

R2 D' R U2 R' D R U2 R
R' F R U R' F R U F U2 F'
U2 L2 D' L U2 L' D L U2 L
R U' R' U R U' R' U' F R' F' R2 U R'



U Bottom Row
U

R' U' R U' R' U2 R2 U R' U R U2 R'
R2 F U' F U F2 R2 U' R' F R
U2 R U R' U R U2 R2 U' R U' R' U2 R
U' R U R' U' R U' R' U2 R U' R' U2 R U R'



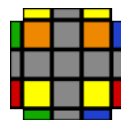
U Rows
U

U' F R2 D R' U R D' R2 U' F'
F U R2 D R' U' R D' R2 F'
U' R' U' R F R2 D' R U R' D R2 U' F'
R' F R U' R' U' R U R' F' R U R' U' R' F R F' R



U X
U

U2 r U' r' U r' D' r U' r' D r
r' U' r' D' r U r' D r U' r
U' R' D R U' R U' R' U R' D' R
F R U' R' U R U R' U R U' R' F'



U Upper Row
U

U' F R U R' U' F'
U F U R U' R' F'
U' F U' R' U R U F' R' U2 R
R' F' U' F U R



CMLL

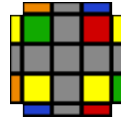
Page 4



T Left Bar

T

U' R U R' U' R' F R F'
U' r U R' U' r' F R F'
y' R U R' U' R' F R F'
U L U L' U' L' f U f'



T Right Bar

T

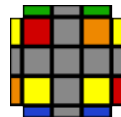
U L' U' L U L' F' L' F
U r' F' r U r U' r' F
U2 R' U' R' D' R U R' D R2
U' F R U' R' U R U R' F'



T Rows

T

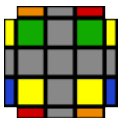
F R' F R2 U' R' U' R U R' F2
R U2 R' U' R U' R2 U2 R U R' U R
r' U r U2 R2 F' r U' r' F2 R2
U' R U R' U R U2 R2 F' r U' r' F2 R



T Bottom Row

T

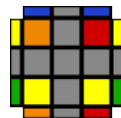
r' U r U2 R2 F R F' R
R U R2 F R F' U r U r'
U2 r U' r' U' F R' F' R2 U' R'
R' U r U2 R2 F R F' r



T Top Row

T

r' D' r U r' D r U' r U r'
U R' D R U' R U R' U R' D' R
U2 F R U R' U' R U' R' U' R U R' F'
R F R' U' R F' R' U R' F' R



T Columns

T

U2 r U' r2 D' r U2 r' D r2 U r'
U2 r2 D' r U r' D r2 U' r' U' r
R' U R2 D r' U2 r D' R2 U' R
U2 R' F R2 F R' U2 R F' R2 F' R



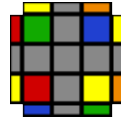
CMLL

Page 5



Sune Left Bar
Sune

U R U' R' U R U2 R'
R' U2 R U R' U R
U r U R' U R U2 r'
U' L U L' U L U2 L'



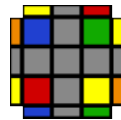
Sune X
Sune

U L' U2 L U2 r U' r' F
U r' F2 r U2 r U' r' F
U L' U2 L U2 L F' L' F
U R' F2 R U2 R U' r' F M'



Sune Up Slash
Sune

U F R' F' R U2 R U2 R'
U M F R' F' R U2 R U2 R'
U M F R' F' r U2 R U2 R'
U F U R U' R2 F' R U R U' R'



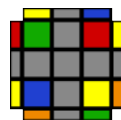
Sune Columns
Sune

U R U R' U' R' F R F' R U R' U R U2 R'
R U R' U R U' R D R' U' R D' R2
F R' U2 R F' R' F U2 F' R
U2 F U' R U R2 D' R U R' D R F'



Sune Right Bar
Sune

U' R U R' U R' F R F' R U2 R'
U' R U R' U r' F R F' r U2 R'
U' R U R' F' R U R' U R U2 R' F R U' R'
U' R U R' U L' U R U' L U2 R'



Sune Down Slash
Sune

U r U' r' F R' F' R
U R U' r' F R' F' r
U R U' L' U R' U' L
U' L U' R' U L' U' R



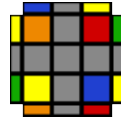
CMLL

Page 6



Anti Sune Right Bar
Anti Sune

U R' U' R U' R' U2 R
U2 R U2 R' U' R U' R'
U' L' U' L U' L' U2 L
U r' U' R U' R' U2 r



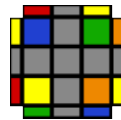
Anti Sune Columns
Anti Sune

U2 R' U' R U' R' U R' D' R U R' D R2
U' R' F U2 F' R F R' U2 R F'
U' R2 D R' U R D' R' U R' U' R U' R'
U' L' U' L U L F' L' F L' U' L U' L' U2 L



Anti Sune Down Slash
Anti Sune

U' F' r U r' U2 r' F2 r
U' F' L F L' U2 L' U2 L
U' F' r U r' U2 L' U2 L
U2 F R U' R' U R U2 R' U' F'



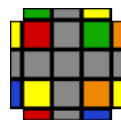
Anti Sune X
Anti Sune

U' R U2 R' U2 R' F R F'
U' R U2 R' U2 r' F R F' M'
U' R U R' U' R' F R2 U R' U' F'
U' r U2 R' U2 R' F R F' M'



Anti Sune Up Slash
Anti Sune

U' R' F R F' r U r'
U' r' F R F' r U R'
U' L' U R U' L U R'
U R' U L U' R U L'



Anti Sune Left Bar
Anti Sune

U R U2 R' F R' F' R U' R U' R'
R' U' R U' R' U R' F R F' U R
U R U2 r' F R' F' r U' R U' R'
U L' U' L U' L F' L' F L' U2 L



CMLL

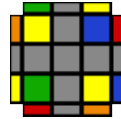
Page 7



L Best

L

U' F' r U r' U' r' F r
U2 F R U' R' U' R U R' F'
R2 D' R U' R' D R U R
U' F' L F L' U' L' U L



L Good

L

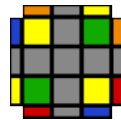
U2 F R' F' R U R U' R'
U2 F R' F' r U R U' r'
U' r U' r' U' F' U F
U2 R U R' U' R' F R F' R U R' U' R' F R F'



L Pure

L

R U R' U R U' R' U R U' R' U R U2 R'
R U2 R' U' R U R' U' R U R' U' R U' R'
U' R' U2 R U R' U' R U R' U' R U R' U R
R U R' U r U' R' U R U' R' U R U2 r'



L Front Commutator

L

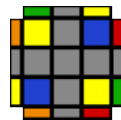
U2 R U2 R D R' U2 R D' R2
U2 R U2 r D r' U2 r D' r' R'
U r' D' r U2 r' D r U2 r U r'
y R U2 F' U B2 U' F U B2 U R'



L Diagonal

L

U2 R U2 R2 F R F' R U2 R'
U2 r U2 R2 F R F' R U2 r'
R' U' R U R' F' R U R' U' R' F R2
U R U2 R' F R' F' R2 U2 R'



L Back Commutator

L

U R' U2 R' D' R U2 R' D R2
U2 R U R' U' R' F R2 U' R' U R U R' F'
U2 r D r' U2 r D' r' U2 r' U' r
U R' U2 r' D' r U2 r' D r R

