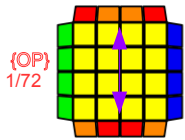
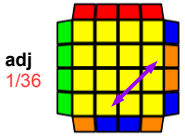


Edges only



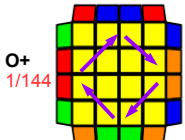
{OP}
1/72

$r2\ U2\ r2\ Uw2\ r2\ Uw2$



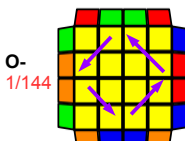
adj
1/36

$R\ U\ R'\ U'\ \{OP\}\ U\ R\ U'\ R'$



O+
1/144

$M2\ U'\ M2\ U'\ M'\ U2\ l2\ U2\ r2\ Uw2\ r2\ u2\ M'$



O-
1/144

$M2\ U\ M2\ U\ M'\ U2\ l2\ U2\ r2\ Uw2\ r2\ u2\ M'$



W
1/36

$R'\ U\ R'\ U'\ R'\ U'\ R'\ U\ R'\ U'\ Uw2\ r2\ Uw2\ r2\ U2\ Rw2$

Adjacent Corners



RGa
1/36

$R\ U\ R'\ U'\ R'\ FR2\ U'\ R'\ \{OP\}\ U\ R\ U'\ R'$
{OP} – Ga-perm
U {OP} – Ja-perm



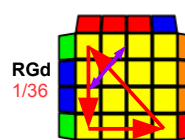
RGb
1/36

$y2\ L'\ U'\ L'\ U'\ \{OP\}\ LF'\ L2\ U\ L\ U'\ L'\ U'\ LF'$
{OP} – Gd-perm
U {OP} – Ra-perm



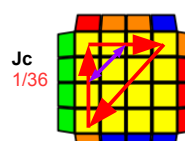
RGC
1/36

$y2\ L'\ U'\ L'\ U'\ LF'\ L2\ U\ L\ \{OP\}\ U'\ L'\ U'\ LF'$
{OP} – Gc-perm
U {OP} – Jb-perm



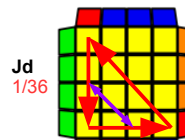
RGd
1/36

$R\ U\ R'\ U'\ \{OP\}\ R'\ FR2\ U'\ R'\ U'\ R\ U'\ R'\ F'$
{OP} – Gb-perm
U {OP} – Rb-perm



Jc
1/36

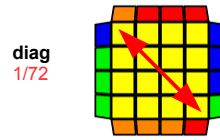
Jb-perm - {OP}



Jd
1/36

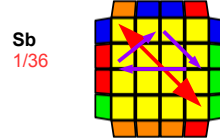
{OP} U2 – Jb-perm

Diagonal Corners



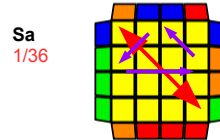
diag
1/72

$FR\ U'\ R'\ U'\ R\ U'\ R'\ F'\ U\ \{OP\}\ U\ R\ U'\ U'\ R'\ FR\ F'$



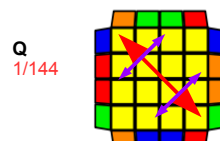
Sb
1/36

{OP} U' – Y-perm
 $y'\ z'\ U2\ R'\ U2\ Rw2\ B2\ R\ U2\ Rw2\ R'\ U2\ R2\ B2\ Rw2\ R\ U2$



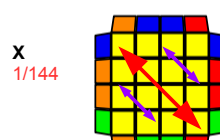
Sa
1/36

{OP} U2 – Y-perm
 $y'\ z'\ U2\ R\ U2\ Rw2\ F2\ R'\ U2\ Rw2\ R\ U2\ R2\ F2\ Rw2\ R'\ U2$



Q
1/144

$FR\ U'\ R'\ U'\ R\ U'\ R'\ F'\ \{OP\}\ U2\ R\ U'\ U'\ R'\ FR\ F'$



X
1/144

{OP} – E-perm



Ca
1/36

{OP} U2 – Ra-perm
U {OP} U – Gd-perm



Cb
1/36

{OP} U – Rb-perm
U {OP} U – Gb-perm



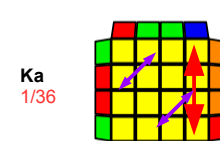
M
1/36

{OP} – T-perm



Kb
1/36

$Lw2\ 3Dw\ R2\ U'\ L2\ U\ R2\ 3Dw\ r2\ U2\ F2\ Rw2$
{OP} – A-perm



Ka
1/36

$Lw2\ 3Dw'\ R2\ U\ L2\ U'\ R2\ 3Dw'\ r2\ U2\ B2\ Rw2$
{OP} – A-perm



Adj
Corner
1/36

T-perm – {OP}