Andy Klise's 2x2x2 Speedcubing Guide
Ortega Method

\[(R U R') (R U^2 R')\]
\[y' \ (R' U^2) (R \ U R' U R)\]
\[F (R U R') (R U R') F'\]
\[y' \ (R' F) (R^2 U^2 R^2) (F R)\]
\[(R U R') (R' F) (R F')\]
\[y' \ (F R' F') (U R U' R') \]
\[y' \ (R' F) (R B') (R F') (R B)\]
\[Solved\]

Final Stage (XLL)

\[(R U^2 R' U')(R U^2)(L' U R' U' L)\]
\[(R U R' U')(R' F) (R U R' U R) \ R' F'\]
\[x U^2 (R' U' R) U^2 (L' U R' U' R^2)\]
\[\text{Probability} = 2/9\]

\[F (R U R' U') \ U' F^2 \ U' (R' U R') \ D R^2\]
\[(R U' R') \ U F^2 \ U' (R U R') \ R' F R F'\]
\[\text{Probability} = 1/18\]

\[(R^2 U R^2') \ U^2 \ y' \ (R^2 U R^2') \ U^2\]
\[(R^2 U' B') \ U^2 (R^2 U' R^2)\]
\[y^2 (R^2 U F^2) U^2 (R^2 U R^2)\]
\[\text{Probability} = 1/36\]

\[(L D' L) \ F^2 \ (L' D L')\]
\[(R D' R) \ F^2 \ (R' D' R)\]
\[(R F' L) \ U^2 (L' \ F R')\]
\[(R U' R' F') \ (R F') \ U^2 \ R^2 U\]
\[y^2 (U R U' R')(U R U' R') \ L' (R U R') (R U R') \ U^2\]
\[\text{Probability} = 4/9\]

\[(R U' R' F') \ (R F') \ U^2 \ R^2 U\]
\[y^2 (U R U' R')(U R U' R') \ L' (R U R') (R U R') \ U^2\]
\[\text{Probability} = 1/36\]

\[(L' D' L) \ F^2 \ (L \ D L')\]
\[(R U' R' F) \ U^2 \ R^2 U\]
\[y^2 (U R U' R')(U R U' R') \ L' (R U R') (R U R') \ U^2\]
\[\text{Probability} = 1/36\]

\[\text{Solved}\]
\[\text{Probability} = 1/36\]

\[\text{Note} – \text{the above two cases are equivalent with} \ x^2\]
\[\text{In one layer adjacents are swapped, in the other layer diagonals are swapped}\]

Blindfolded Algs

Target in \text{blue, buffer in green} (see blindfolded guide for full explanation)

\[(R U R' U')(R U^2 R')(L' U R' U' L)\]
\[(R U R' U')(R' F) (R U R' U R) \ R' F'\]
\[\text{Make UBL the target by adding} \ y \ \text{alg} \ y'\]
\[y' (R U^2 R') \ U F^2 \ U' (R U R') \ D R^2 y\]
\[y' (R U R') \ U F^2 \ U' (R U R') \ D R^2 y\]
\[\text{Probability} = 1/9\]

\[(R U R') \ U F^2 \ U' (R U R') \ U^2 (L' U R' U' R^2)\]
\[(R U R') \ U F^2 \ U' (R U R') \ U^2 (L' U R' U' R^2)\]
\[\text{Probability} = 1/9\]

\[(R U R') \ U F^2 \ U' (R U R') \ U^2 (L' U R' U' R^2)\]
\[(R U R') \ U F^2 \ U' (R U R') \ U^2 (L' U R' U' R^2)\]
\[\text{Probability} = 1/9\]

\[(R U R') \ U F^2 \ U' (R U R') \ U^2 (L' U R' U' R^2)\]
\[(R U R') \ U F^2 \ U' (R U R') \ U^2 (L' U R' U' R^2)\]
\[\text{Probability} = 1/9\]

Credits

Yu Nakajima - http://www.cutex.info/
Josef Jelinek - http://software.rubikscube.info/icube/
Gaetan Guimond, Ortega, Michael Gottlieb and everyone else

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