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description: History of the SSRC method for Rubik's Cube.

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import Exhibit from "@site/src/components/Exhibit";

import YouTube from "@site/src/components/YouTube";

import ImageCollage from '@site/src/components/ImageCollage';

# SSRC

<Exhibit

stickering={{

solved: "L R FL DFL DL DBL BL FR DFR DBR BR UFR UFL UBL UBR"}}

/>

## Description

\*\*Proposer:\*\* [Silky](CubingContributors/MethodDevelopers.md#silky)

\*\*Proposed:\*\* 2020

\*\*Steps:\*\*

1. Solve a 1x2x3 block on the left side.

2. Solve the front and back pairs on the right side.

3. Solve the upper layer corners.

4. Solve the last seven edges.

## Origin

### Development

In June, 2020, Silky posted a method idea that was a combination of Roux and the SOAP method for the 2x2 puzzle [1]. The steps were similar to the current form of SSRC, except the E slice edges were solved before solving the last six corners.

![](img/SSRC/Original.png)

Over time the method evolved to include blockbuilding before solving the last layer corners [2, 3].

![](img/SSRC/Evo1.png)

![](img/SSRC/Evo2.png)

![](img/SSRC/Evo3.png)

>The final two images come from a private conversation between Silky and I.

### Proposal

In March, 2024, Silky proposed the finalized version of the method [4]. Complete algorithm sheets and variants were provided.

![](img/SSRC/Proposal.png)

## L7E

### Iterative EO and LRP

In March, 2022, Michael James Straughan developed iterative EO for L7E. A complete L7E method was also developed that follows similar steps to the standard Roux LSE method [5, 6, 7]. The steps are edge orientation, permute the left and right side edges, then permute the M slice.

![](img/SSRC/StraughanL7E.png)

![](img/SSRC/StraughanL7E2.png)

![](img/SSRC/StraughanL7E3.png)

### EODR

As part of the official proposal in March, 2024, Silky included the development of an L7E method [8]. The steps are to orient all edges while solving the DR edge. Then the final six edges are permuted.

![](img/SSRC/EODR.png)

# References

|  |  |
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| [3] | M. J. Straughan and Silky, Personal communication, 10 March 2022. [Online]. |
| [4] | Silky, "Et tu Brutus? - SSRC Method Proposal," SpeedSolving.com, 15 March 2024. [Online]. Available: https://www.speedsolving.com/threads/et-tu-brutus-ssrc-method-proposal.92060/. |
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| [6] | M. J. Straughan, "L7E Iterative EO," Google Sheets, 8 March 2022. [Online]. Available: https://docs.google.com/spreadsheets/d/1iosJgoJutJapVt5BGSmaGDqPOHWvxFBWHRDlDomTGNY/edit#gid=1260826725. |
| [7] | M. J. Straughan, "L7E LR Permutation," Google Sheets, 8 March 2022. [Online]. Available: https://docs.google.com/spreadsheets/d/1kgOYB\_i9Q7u1mV\_cmYGTU6jdEC8pxtoDsrfcH9Vo7sM/edit#gid=96782145. |
| [8] | Silky, "SSRC Algs," Google Sheets, 15 March 2024. [Online]. Available: https://docs.google.com/spreadsheets/d/1EtFxTViQuqcxch7YOIhZSOsMcrnJA5YMUuiaVJoKjPQ/edit?usp=sharing. |