**4x4 F3E Algorithms (First Three Edges)**

Learn F3E intuitively. The god number of every single F3E is 6. This sheet includes almost all the F3E cases both on upper or front face with at least 3 moves.

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| --- | --- | --- | --- |
| **Far Diagonal** | | | |
|  |  |  |  |
| **Lw U Lw'** | **Rw U Rw'** | **Lw D Lw'** | **Rw U Rw'** |
|  |  |  |  |
| **Rw' U' Rw** | **U' Rw U Rw'**  Lw' U' Lw | **U Rw U' Rw'** | **Lw' U' Lw** |
|  | | | |
| **Near Diagonal** | | | |
|  |  |  |  |
| **3Lw U Rw** | **3Rw' U' Rw'** | **3Rw R' U' Rw'**  3Lw' U' Rw' | **3Rw U Rw**  L F Rw |
|  |  |  |  |
| **R' D' Rw'** | **L D Rw** | **R U Rw** | **L' U' Lw'** |
| **Headlights** |  |  |  |
|  |  |  |  |
| **Rw U2' Rw2'** | **Lw' U2 Lw2** | **Rw' F U' Rw'** | **Rw U' B Rw'** |
|  | | | |
| **Slash** | | | |
|  |  |  |  |
| **Lw U' Lw2'** | **Rw U' Rw2'** | **Lw D' Lw2'** | **Rw U' Rw2'** |
|  |  |  |  |
| **3Lw U' Rw2** | **3Rw U' Rw2** | **R U' Rw2** | **L D' Rw2** |
|  | | | |
| **Backslash** | | | |
|  |  |  |  |
| **Rw' U Rw2** | **Rw U' Rw U Rw**  Lw' U Lw2 | **Rw' D Rw2** | **Lw' U Rw2** |
|  |  |  |  |
| **U' Rw2 U' Rw**  3Lw' U Rw2 | **3Rw' U Rw2** | **R' D Rw2** | **L' U Rw2'** |