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<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<tbody>
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<td></td>
</tr>
<tr>
<td>&gt;</td>
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<td>4</td>
<td></td>
<td>7</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Ca-2A-22</td>
<td>3</td>
<td>5</td>
<td>7</td>
<td>6</td>
<td>7</td>
<td>7</td>
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<td>5</td>
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<td>7</td>
<td>7</td>
<td>5</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>else</td>
<td>8</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

```
0
/
|
3——6
|
   |
C2 — C3
```

```
while...
=

else
```

18 bytes (tangle)  
+ 9 bytes (window)  
+ 12 bytes (error matrix)  
\[ \overline{39 \text{ bytes}} \]  
+ 1256 char index = 39564 bytes
Deterministic Finite Automata
- Start in initial state
- Transitions to next state uniquely determined by current state & input symbol

NFA
- Like DFA except:
  - Transitions on ε
  - Multiple transitions from state on same input symbol

Minimal perfect hash tables (gperf)
RE → NEA (Thompson's construction)

Reflections on trusting trust

\[ a \rightarrow b \]

(for all \( a \in \Sigma \))

\[ a \rightarrow b \]

\[ a \rightarrow b \rightarrow a \]

\[ a \rightarrow b \rightarrow a \]

\[ a \rightarrow b \rightarrow a \rightarrow b \]