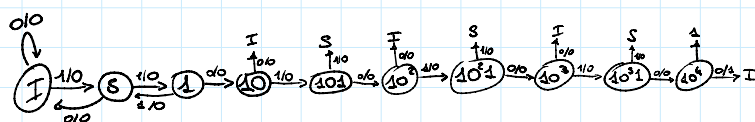


TRACCIA 26 06 2016



| Stato | y_3 | y_2 | y_1 | y_0 | $X=0$ | $X=1$ |
|-------|-------|-------|-------|-------|--------|--------|
| I | 0 | 0 | 0 | 0 | 0000.0 | 0001.0 |
| S | 0 | 0 | 0 | 1 | 0000.0 | 0010.0 |
| 1 | 0 | 0 | 1 | 0 | 0011.0 | 0001.0 |
| 10 | 0 | 0 | 1 | 1 | 0000.0 | 0100.0 |
| 101 | 0 | 1 | 0 | 0 | 0101.0 | 0001.0 |
| 102 | 0 | 1 | 0 | 1 | 0000.0 | 0110.0 |
| 103 | 0 | 1 | 1 | 0 | 0111.0 | 0001.0 |
| 1031 | 0 | 1 | 1 | 1 | 0000.0 | 1000.0 |
| 1031 | 1 | 0 | 0 | 0 | 1001.0 | 0001.0 |
| 104 | 1 | 0 | 0 | 1 | 0000.1 | 0010.0 |
| | 1 | 0 | 1 | 0 | | |
| | 1 | 0 | 1 | 1 | | |
| | 1 | 1 | 0 | 0 | | |
| | 1 | 1 | 0 | 1 | | |
| | 1 | 1 | 1 | 0 | | |
| | 1 | 1 | 1 | 1 | | |

X=0

X=1

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | | | | |
| 11 | X | X | X | X |
| 10 | 1 | | X | X |

 y'_3

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | | | 1 | |
| 11 | X | X | X | X |
| 10 | | | X | X |

$$y'_3 = \overline{y_0} y_3 \overline{x} + y_0 y_1 y_2 x$$

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | 1 | | | 1 |
| 11 | X | X | X | X |
| 10 | | | X | X |

 y'_2

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | | | 1 | |
| 11 | X | X | X | X |
| 10 | | | X | X |

$$y'_2 = y_0 y_2 \overline{x} + y_0 \overline{y_1} y_2 x + y_0 y_1 \overline{y_2} x$$

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | 1 |
| 01 | 1 | | | 1 |
| 11 | X | X | X | X |
| 10 | | | X | X |

 y'_1

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | | | 1 | |
| 11 | X | X | X | X |
| 10 | 1 | 1 | X | X |

$$y'_1 = \overline{y_0} y_2 \overline{x} + \overline{y_0} y_1 \overline{x} + y_0 \overline{y_1} x + y_3 x$$

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | 1 |
| 01 | 1 | | | 1 |
| 11 | X | X | X | X |
| 10 | 1 | | X | X |

 y'_0

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | 1 | | | 1 |
| 01 | 1 | | | 1 |
| 11 | X | X | X | X |
| 10 | 1 | | X | X |

$$y'_0 = \overline{y_0} y_1 + \overline{y_0} y_2 + \overline{y_0} y_3 + \overline{y_0} x$$

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | | | | |
| 11 | X | X | X | X |
| 10 | | 1 | X | X |

Z

| $y_2 \backslash y_1$ | 00 | 01 | 11 | 10 |
|----------------------|----|----|----|----|
| 00 | | | | |
| 01 | | | | |
| 11 | X | X | X | X |
| 10 | | | X | X |

$$Z = y_0 y_3 \overline{x}$$