Moore State Diagram

000 001 010 011

S1

1111\_1101\_001

S2

1111\_1011\_010

S0

1111\_1110\_000

S6

1011\_1110\_110

S5

1101\_1110\_101

S4

1110\_1111\_100

S3

1111\_0111\_011

S7

0111\_1110\_111

111 110 101 100

Moore State Table

|  |  |  |
| --- | --- | --- |
| **Present State** | **Next State** | **Output** |
| S0 | S1 | 1111\_1110\_000 |
| S1 | S2 | 1111\_1101\_001 |
| S2 | S3 | 1111\_1011\_010 |
| S3 | S4 | 1111\_0111\_011 |
| S4 | S5 | 1110\_1111\_100 |
| S5 | S6 | 1101\_1111\_101 |
| S6 | S7 | 1011\_1111\_110 |
| S7 | S0 | 0111\_1111\_111 |