State table

|  |  |  |  |
| --- | --- | --- | --- |
| Current State | X 1 | X 0 | Z |
| S0 | S1 | S0 | 0 |
| S1 | S2 | S0 | 0 |
| S2 | S2 | S3 | 0 |
| S4 | S5 | S0 | 0 |
| S5 | S2 | S0 | 1 |

