|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| q | q2 | q1 | q0 | E | Q | Q2 | Q1 | Q0 |
| RESET | 0 | 0 | 0 | **0** | **L1** | 0 | 0 | 1 |
| RESET | 0 | 0 | 0 | **1** | **H1** | 1 | 0 | 1 |
| L1 | 0 | 0 | 1 | **0** | **L2** | 0 | 1 | 0 |
| L1 | 0 | 0 | 1 | **1** | **RESET** | 0 | 0 | 0 |
| L2 | 0 | 1 | 0 | **0** | **LF** | 0 | 1 | 1 |
| L2 | 0 | 1 | 0 | **1** | **RESET** | 0 | 0 | 0 |
| LF | 0 | 1 | 1 | **0** | **LF** | 0 | 1 | 1 |
| LF | 0 | 1 | 1 | **1** | **RESET** | 0 | 0 | 0 |
| H1 | 1 | 0 | 1 | **0** | **RESET** | 0 | 0 | 0 |
| H1 | 1 | 0 | 1 | **1** | **H2** | 1 | 1 | 0 |
| H2 | 1 | 1 | 0 | **0** | **RESET** | 0 | 0 | 0 |
| H2 | 1 | 1 | 0 | **1** | **HF** | 1 | 1 | 1 |
| HF | 1 | 1 | 1 | **0** | **RESET** | 0 | 0 | 0 |
| HF | 1 | 1 | 1 | **1** | **HF** | 1 | 1 | 1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| q | q2 | q1 | q0 | S |
| RESET | 0 | 0 | 0 | **0** |
| L1 | 0 | 0 | 1 | **0** |
| L2 | 0 | 1 | 0 | **0** |
| LF | 0 | 1 | 1 | **1** |
| H1 | 1 | 0 | 1 | **0** |
| H2 | 1 | 1 | 0 | **0** |
| HF | 1 | 1 | 1 | **1** |

