|  |  |
| --- | --- |
| Input | output |
| 0000 | 0 |
| 0001 | 1 |
| 0010 | 0 |
| 0011 | 1 |
| 0100 | 0 |
| 0101 | 1 |
| 0110 | 1 |
| 0111 | 1 |
| 1000 | 0 |
| 1001 | 1 |
| 1010 | 1 |
| 1011 | 1 |
| 1100 | 0 |
| 1101 | 1 |
| 1110 | 1 |
| 1111 | 1 |