|  |  |  |  |
| --- | --- | --- | --- |
| Cases | S0 | S1 | Y |
| A | 0 | 0 | I0 |
| B | 1 | 0 | I1 |
| C | 0 | 1 | I2 |

The 3 to 1 multiplexer outputs the inputs I0, I1 or I2 depending on the values of S0 and S1.