# 16-1 Muxxer

| Created | @October 5, 2024 11:49 AM |
| --- | --- |
| Tags | |
| Status | Not started |

## Truth Table:

| S3 | S2 | S1 | S0 | Selected Input | Y (Output) |
| --- | --- | --- | --- | --- | --- |
| 0 | 0 | 0 | 0 | $I_0$ | $I_0$ |
| 0 | 0 | 0 | 1 | $I_1$ | $I_1$ |
| 0 | 0 | 1 | 0 | $I_2$ | $I_2$ |
| 0 | 0 | 1 | 1 | $I_3$ | $I_3$ |
| 0 | 1 | 0 | 0 | $I_4$ | $I_4$ |
| 0 | 1 | 0 | 1 | $I_5$ | $I_5$ |
| 0 | 1 | 1 | 0 | $I_6$ | $I_6$ |
| 0 | 1 | 1 | 1 | $I_7$ | $I_7$ |
| 1 | 0 | 0 | 0 | $I_8$ | $I_8$ |
| 1 | 0 | 0 | 1 | $I_9$ | $I_9$ |
| 1 | 0 | 1 | 0 | $I_{10}$ | $I_{10}$ |
| 1 | 0 | 1 | 1 | $I_{11}$ | $I_{11}$ |
| 1 | 1 | 0 | 0 | $I_{12}$ | $I_{12}$ |
| 1 | 1 | 0 | 1 | $I_{13}$ | $I_{13}$ |
| 1 | 1 | 1 | 0 | $I_{14}$ | $I_{14}$ |
| 1 | 1 | 1 | 1 | $I_{15}$ | $I_{15}$ |