

# 16-1 32 bit 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	$I_0[30:0]$	$I_0[30:0]$
0	0	0	1	$I_1[30:0]$	$I_1[30:0]$
0	0	1	0	$I_2[30:0]$	$I_2[30:0]$
0	0	1	1	$I_3[30:0]$	$I_3[30:0]$
0	1	0	0	$I_4[30:0]$	$I_4[30:0]$
0	1	0	1	$I_5[30:0]$	$I_5[30:0]$
0	1	1	0	$I_6[30:0]$	$I_6[30:0]$
0	1	1	1	$I_7[30:0]$	$I_7[30:0]$
1	0	0	0	$I_8[30:0]$	$I_8[30:0]$
1	0	0	1	$I_9[30:0]$	$I_9[30:0]$
1	0	1	0	$I_{10}[30:0]$	$I_{10}[30:0]$
1	0	1	1	$I_{11}[30:0]$	$I_{11}[30:0]$
1	1	0	0	$I_{12}[30:0]$	$I_{12}[30:0]$
1	1	0	1	$I_{13}[30:0]$	$I_{13}[30:0]$
1	1	1	0	$I_{14}[30:0]$	$I_{14}[30:0]$
1	1	1	1	$I_{15}[30:0]$	$I_{15}[30:0]$