

Module	MUX4	
Dependencies	None	
Inputs	Name	Size (Bits)
	A	1
	B	1
	C	1
	D	1
	S	2
Outputs	Name	Size (Bits)
	Y	1
Description	Four-input multiplexor with one-bit inputs. Sets output Y equal to A if S=00, B if S=01, C if S=10, or D if S=11.	