Module	MUX32	
Dependencies	**Decoder_32**, **MUX2**	
Inputs	**Name**	**Size (Bits)**
	I0	1
	I1	1
	I2	1
	I3	1
	I4	1
	I5	1
	I6	1
	I7	1
	I8	1
	I9	1
	I10	1
	I11	1
	I12	1
	I13	1
	I14	1
	I15	1
	I16	1
	I17	1
	I18	1
	I19	1
	I20	1
	I21	1
	I22	1
	I23	1
	I24	1
	I25	1
	I26	1
	I27	1
	I28	1
	I29	1
	I30	1
	I31	1
	S	5
Outputs	**Name**	**Size (Bits)**
	Y	1
Description	32-input multiplexor with one-bit inputs. S is a five-bit value (0 to 31). Output Y is set to input number designated by S (0 to 31).	