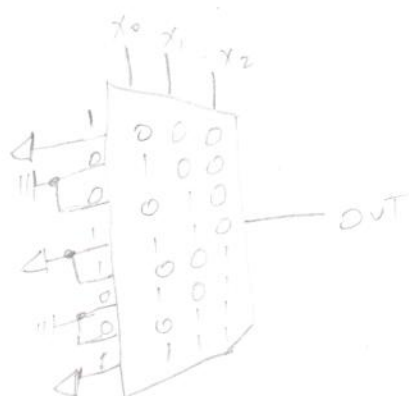1. (4 points) Given only an 8-1 multiplexer and constants 0 and 1 implement a circuit that behaves like the following function: $m_0 + m_3 + m_4 + m_7$ There are 3 input variables for this problem x_2, x_1, x_0 .

x_0	x_1	x_2	y
0	0	0	1
1	0	0	0
0	1	0	0
1	1	0	1
0	0	1	1
1	0	1	0
0	1	1	0
1	1	1	1

8-1 Multiplexer