

Example 7.1:

Implement following function with multiplexer:

$$F(A, B, C, D) = \Sigma(0, 1, 3, 4, 8, 9, 15)$$

Solution:

1. The type of Mux [2^3 -to-1] = 8-to-1 mux
2. Select (3) as selection line. = For example (B, C, and D)
3. The other input connects as input. = (A)

