1. the boolen function realized by the logic circuit shown is

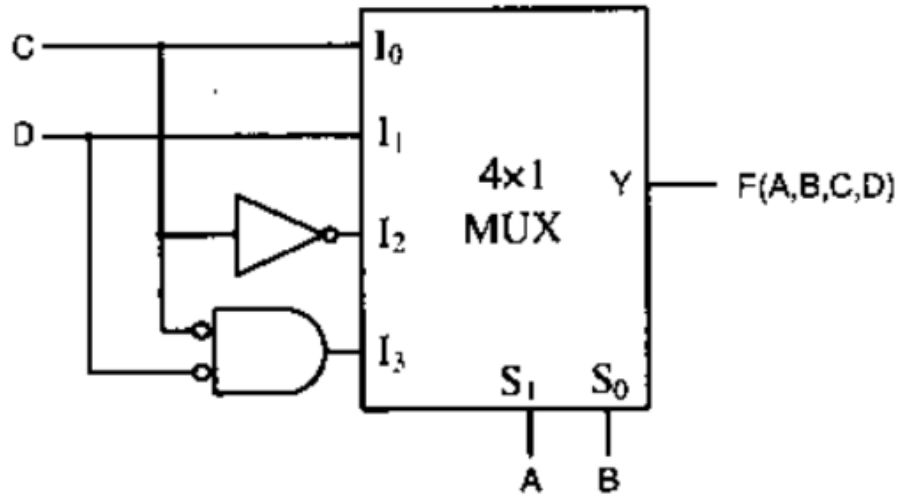

Figure 1:

(a) $F = \sum_m (0, 1, 3, 5, 9, 10, 14)$

(b) $F = \sum_m (2, 3, 5, 7, 8, 12, 13)$

(c) $F = \sum_m (1, 2, 4, 5, 11, 14, 15)$

(d) $F = \sum_m (2, 3, 5, 7, 8, 9, 12)$

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