

1. The figure below shows a multiplier where S_1 and S_0 are select lines, I_0 to I_3 are the input data lines, EN is the enable line, and $F(P, Q, R)$ is the output. F is

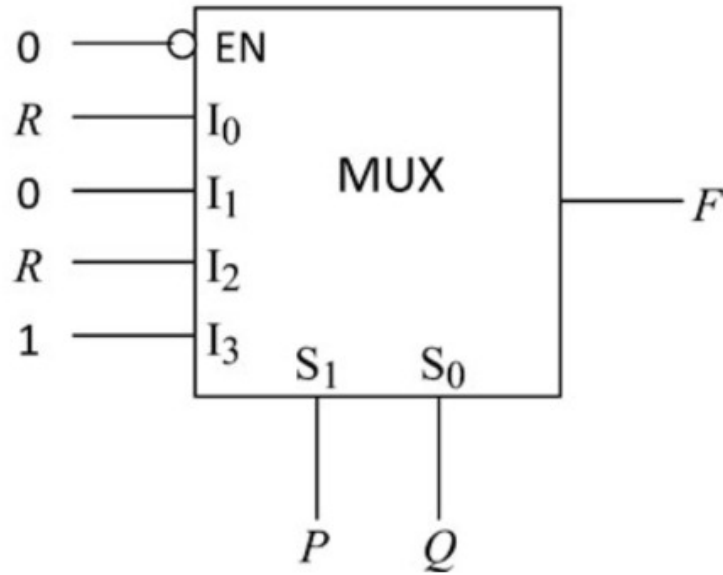


Figure 1:

- (A) $PQ + \bar{Q}R$.
- (B) $P + Q\bar{R}$.
- (C) $p\bar{Q}R + \bar{P}Q$.
- (D) $\bar{Q} + PR$.