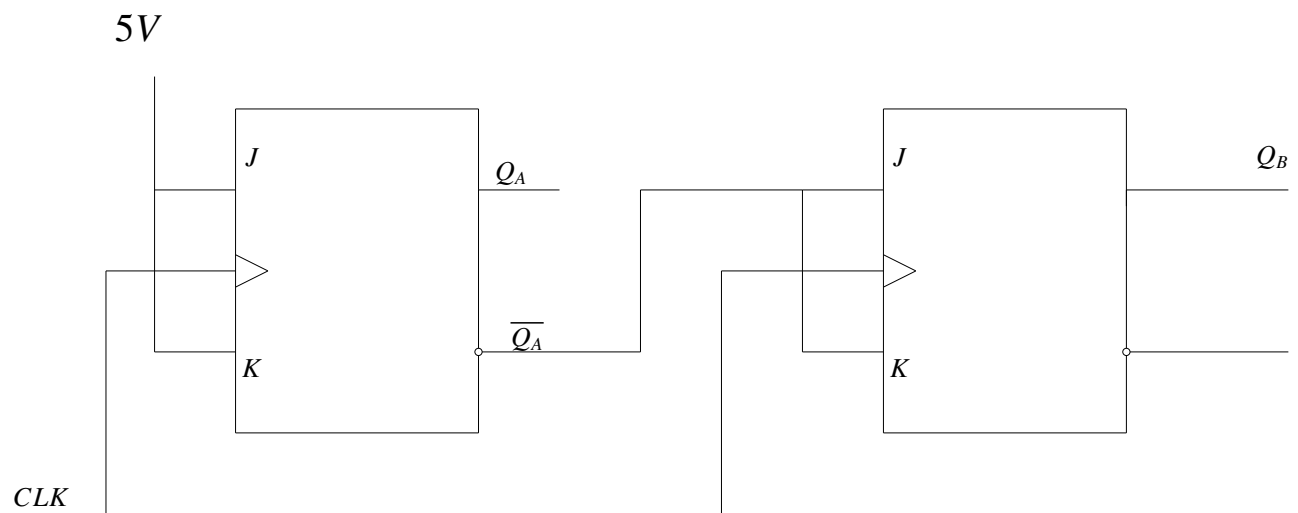


## GATE EE-2016-36

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**Question.** The current state  $Q_A$  and  $Q_B$  of a two  $JK$  flip-flop is 00. Assume that the clock rise-time is much smaller than the delay of  $JK$  flip-flop. The next state of the system is



- (A) 00
- (B) 01
- (C) 11
- (D) 10