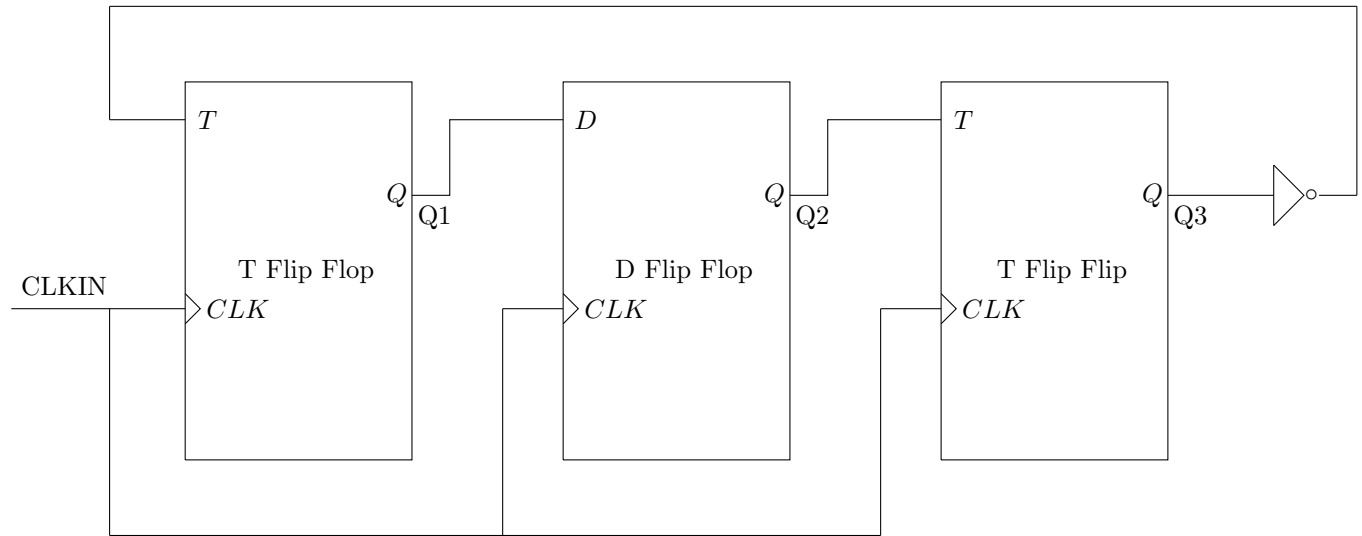


- Consider a sequential digital circuit consisting of T flip-flops and D flip-flops as shown in the figure. CLKIN is the clock input to the circuit. At the beginning, Q1, Q2 and Q3 have values 0, 1 and 1, respectively.



Which of the given values of (Q1, Q2, Q3) can NEVER be obtained with this digital circuit?

- (0, 0, 1)
- (1, 0, 0)
- (1, 0, 1)
- (1, 1, 1)