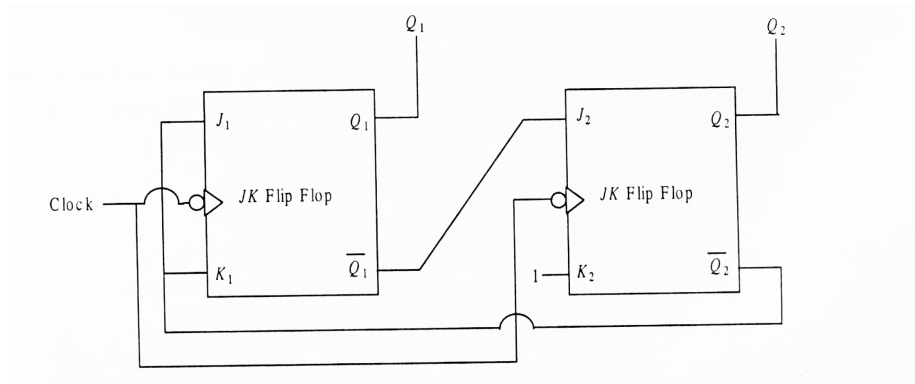1. What are the counting states (Q_1, Q_2) foe the counter shown in the figure below?

(a) $11, 10, 00, 11, 10, ...$

(b) $01, 10, 11, 00, 01, ...$

(c) $00, 11, 01, 10, 00, ...$

(d) $01, 10, 00, 01, 10, ...$