

Quiz 3 Solution

- 1 F
- 2 B
- 3 D
- 4 E
- 5 D
- 6 A, D
- 7 A
- 8 B
- 9 D
- 10 A, D
- 11 Deterministic Finite Automaton
- 12 Because the number of states should be finite.
- 13 $\{\emptyset, \{0\}, \{1\}, \{0, 1\}\}$
- 14 $\{\lambda, 1, 11, 111, 1111, \dots\}$
- 15 $L^3 = \{a^n b^n a^m b^m a^k b^k : n, m, k \geq 0\}$
- 16 $L = \{a, aaa, aab, aba, baa, \dots\}$
Or any set that suits the conditions.
- 17 $L = \{abw : w \in \Sigma^*\}$
- 18

