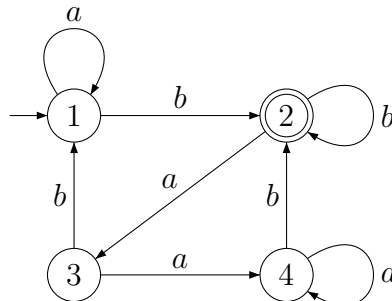


DETERMINISTIC FINITE AUTOMATA

Questions:**Question 1**

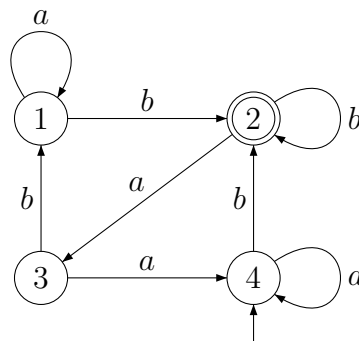
Given the automaton:



enumerate the first ten words in canonical order of the language it accepts.

Question 2

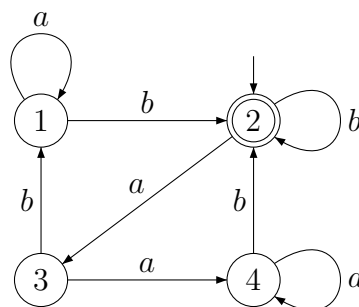
Given the automaton:



enumerate the first ten words in canonical order of the language it accepts.

Question 3

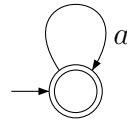
Given the automaton:



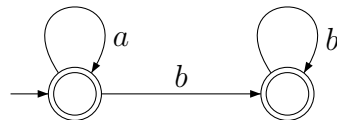
enumerate the first ten words in canonical order of the language it accepts.

Question 4

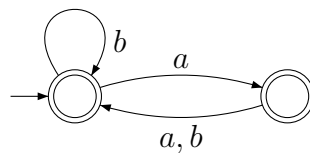
Provide a description (the shorter the better) of the language accepted by the following automaton:

**Question 5**

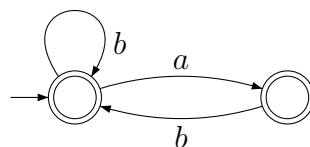
Provide a description (the shorter the better) of the language accepted by the following automaton:

**Question 6**

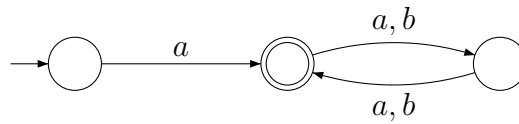
Provide a description (the shorter the better) of the language accepted by the following automaton:

**Question 7**

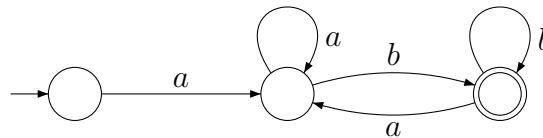
Provide a description (the shorter the better) of the language accepted by the following automaton:

**Question 8**

Provide a description (the shorter the better) of the language accepted by the following automaton:

**Question 9**

Provide a description (the shorter the better) of the language accepted by the following automaton:

**Question 10**

Provide a DFA that accepts the language $\{a\}^* \cup \{b\}^*$

Question 11

Provide a DFA that accepts the language $L = \{x \in \{a, b\}^* : |x|_a \geq 2\}$

Question 12

Provide a DFA that accepts the language $L = \{x \in \{a, b\}^* : a \in Pref(x) \wedge ab \notin Seg(x)\}$

Question 13

Provide a DFA that accepts the language $L = \{x \in \{a, b\}^* : bb \in Seg(x)\}$

Question 14

Provide a DFA that accepts the language $L = \{x b b : x \in \{a, b\}^*\}$

Question 15

Provide a DFA that accepts the language of words over the alphabet $\{0, 1\}$ such that the second and the last symbols are 1.