1. Draw a state diagram for nondeterministic finite automata that accepts the following languages

*Diagram

Description automatically generated*

*Diagram

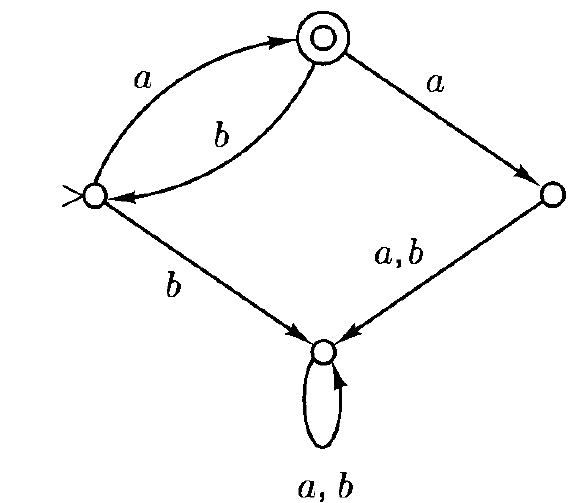
Description automatically generated*

1. Give the regular expression for the language accepted by the following finite automaton:

A screenshot of a cell phone

Description automatically generated

(a\*b)U(ba\*)



aU(ab)\*

1. Write the regular expression for the following sets
   1. All strings over that are odd in length

(aub)((aub)(aub))\*

* 1. All strings over that end with

(aub)\*bb