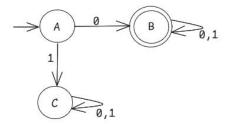
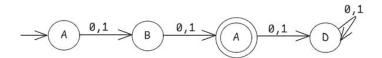
## L1 = Set of all strings that start with 'O'

 $= \{0, 00, 000, 01, 010, 001, \ldots\}$ 



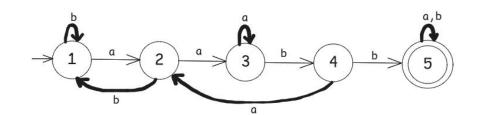
## Construct a DFA that accepts sets of all strings over {0,1} of length 2.



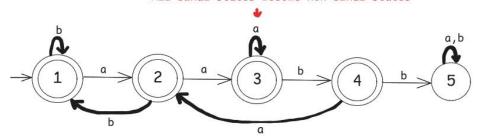
Construct a DFA that accepts any strings over {a,b} that does not contain the string aabb in it.

## Simplify >

Let us construct a DFA that accepts all strings over {a,b} that <u>contains</u> the string aabb in it



Flip it -> All non-final states become final states
All final states become non-final states



- For each of the following languages, describe a DFA accepting the language by drawing a DFA diagram
  - L1 = set of all strings over {0,1} that starts with 0
  - L2 = set of all strings over {0,1} of length 2

