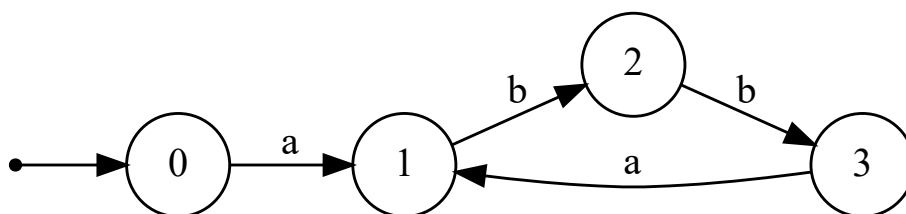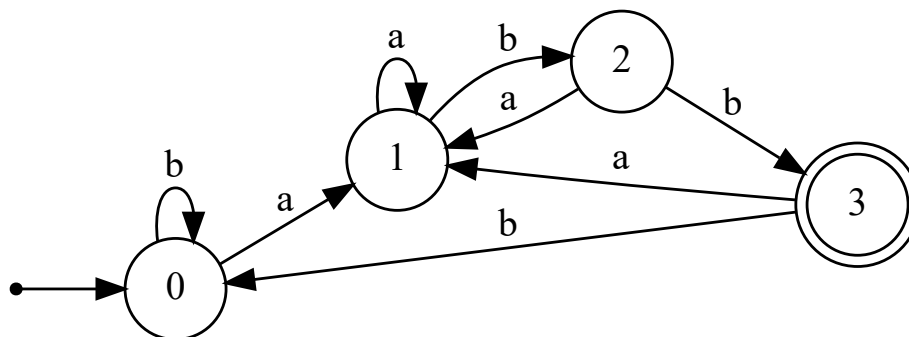# COMPSCI 3331 - Fall 2022 - Quiz 2

1. (2 marks) Complete the following DFA so that it accepts the language $L = \{w \in \{a,b\}^* : \exists u \in \{a,b\}^*$ such that $w = uabb\}$. That is, the language consists of all words over $\{a,b\}$ that end with *abb*. Use the existing states and transitions and add the remaining required information to complete the DFA.
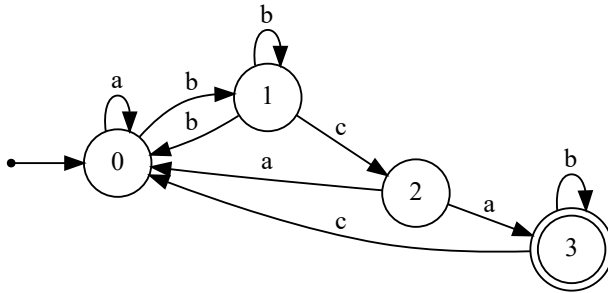

Solution:

2. (2 marks) For each of the words in the table below, put a checkmark in the box if they are

accepted by the NFA pictured below, and place an X in the box if they are not accepted.

aab	X
abcab	✓
bcabcbcab	✓
abcc	X