Ex. 1
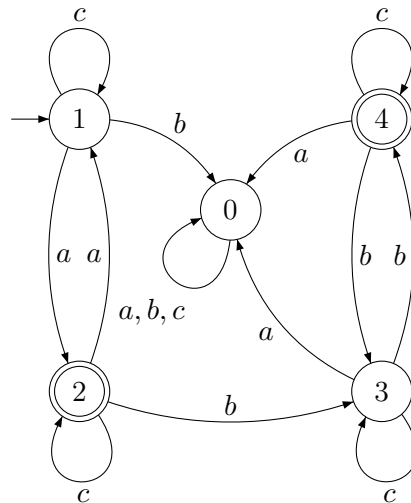
Propose a complete deterministic finite state automaton which recognizes all the words
on Σ^* such that all a's are before all b's (if any), the number of a's is odd (thus ≥ 1)
and the number of b's is even, and c's can occur anywhere ($\Sigma = \{a, b, c\}$).

. . . . Answer . . . .

Ex. 2

Draw a deterministic automaton which recognizes all the words on the monoid $\{a, b, c\}^*$
which start with c, include the factor $baba$, and end with c.

. . . . Answer . . . .

Note: this automaton is deterministic but not complete. To get a complete version, it's
enough to add a "well" state and 2 transitions (a and b) from the initial state to it.