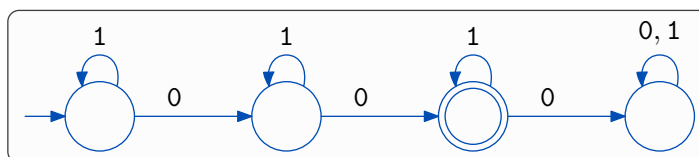


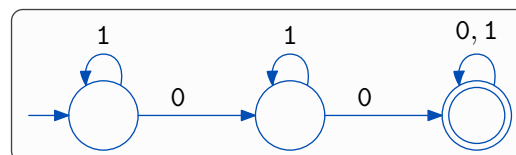
In-class Practice 1: Deterministic Finite Automata

For the alphabet $\{0, 1\}$, give DFAs for each language:

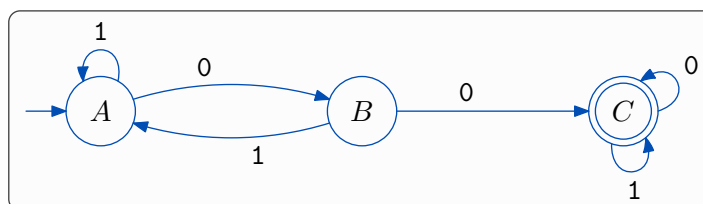
1. All strings containing exactly two 0s



2. All strings containing as least two 0s



3. All strings containing 00 as substring



4. All strings containing 00 as substring exactly once

