

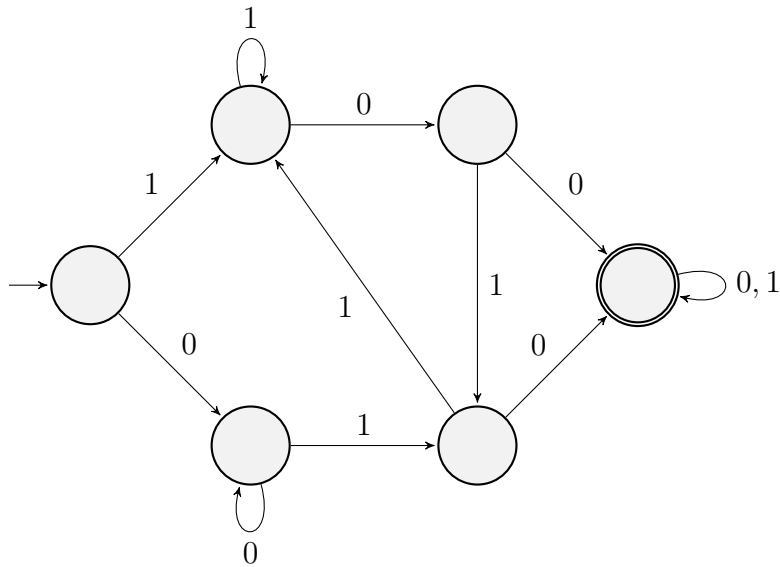
# Assignment 1

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**Problem 0.1.** Give a DFA for the language of all strings over the alphabet  $\{0, 1\}$  which contain an occurrence of 010 or 100 as a contiguous substring.

*Solution.*



**Problem 0.2.**

*Solution.*

