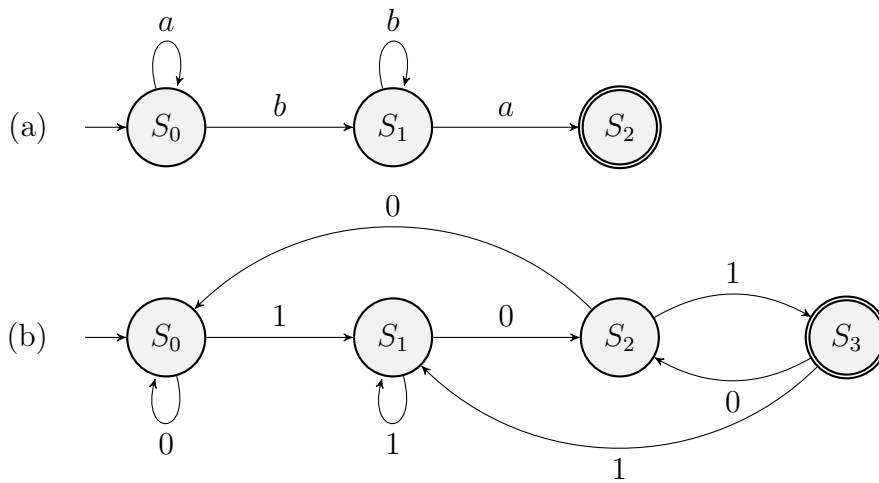# Foundations of Information Systems

Winter Semester 2023–24, Exercise 6

For discussion on Wednesday, November 29, 2023

1. Which strings do the following finite state machines accept?

2. Draw a finite state machine that accepts any string from the alphabet a, b with an even number of as.

3. Draw a finite state machine that checks if a given 7-bit input corresponds to a number digit ("0", ..., "9") encoded in ASCII.