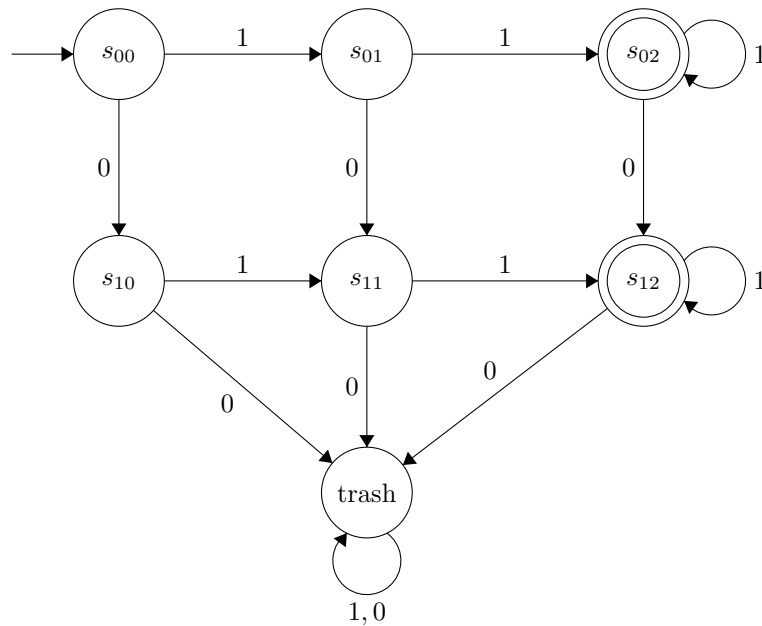# AFL: Assignment 1

Due on October 4, 2018 at 11:55pm

Prof. Laura Pozzi

A. Romanelli

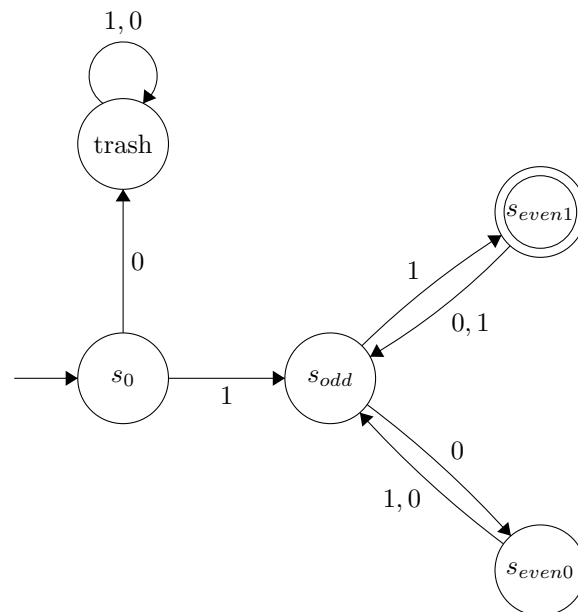# Problem 1

Draw the FAs recognising the following Languages, over alphabet $\Sigma = \{0, 1\}$:
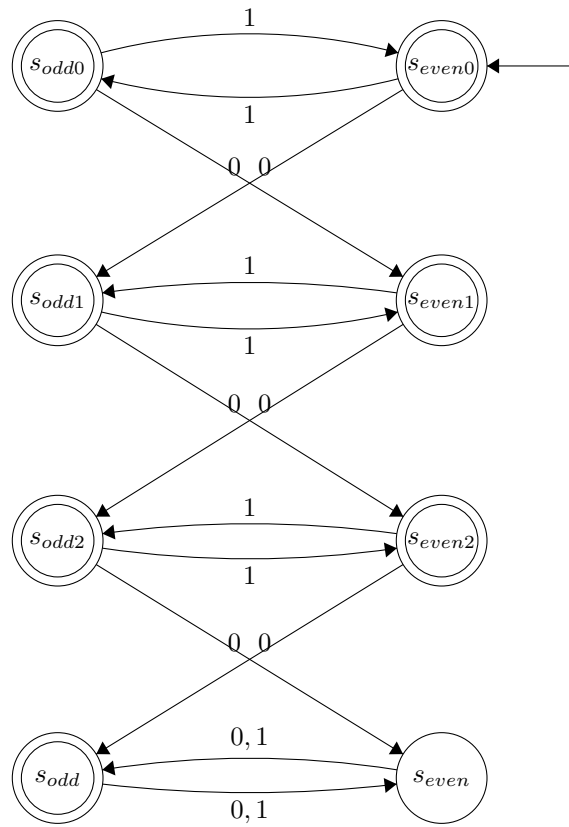
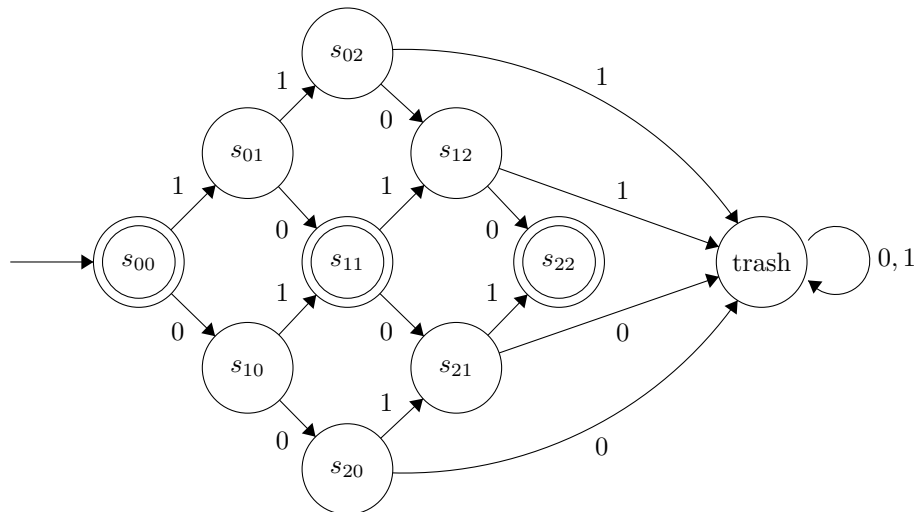$$L1 = \{w|w \text{ has at most one 0 and at least two 1s }\}$$

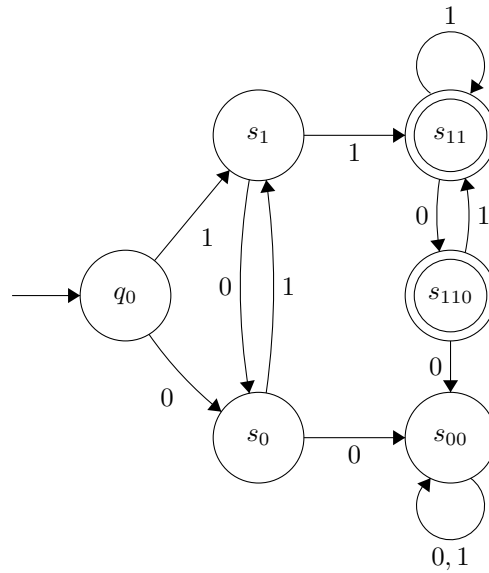$$L2 = \{w|w \text{ starts and ends with 1 and has even length }\}$$

$L3 = \{w | w$ has odd length or w has at most two 0s $\}$

$L4 = \{w | w$ has at most length 4 and has as many 0s as 1s $\}$

$L5 = \{w|w$ contains substring 11 and does not contain substring 00 $\}$

$L6 = \{w|w$ contains an even number of occurrences of substring 00 $\}$

A. Romanelli   AFL (Prof. Laura Pozzi): Assignment 1   Problem 1 (continued)

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