CS338~HW1

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February 9, 2017

1 State Diagrams of DFA

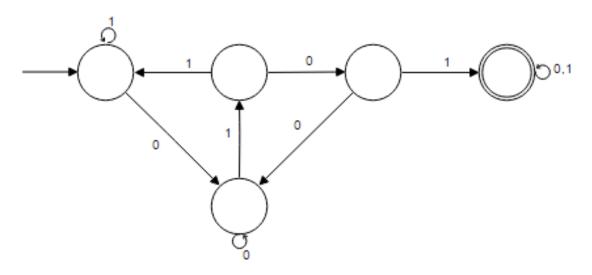


Figure 1: $\{w|w \text{ contains the substring 0101 (i.e., } w = x0101y \text{ for some } x \text{ and } y)\}$

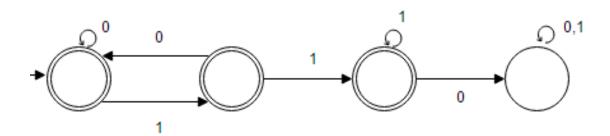


Figure 2: $\{w|w \text{ doesn't contain the substring } 110\}$

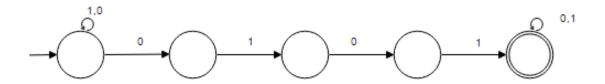


Figure 3: $\{w|w \text{ contains the substring 0101 (i.e., } w = x0101y \text{ for some } x \text{ and } y)\}$

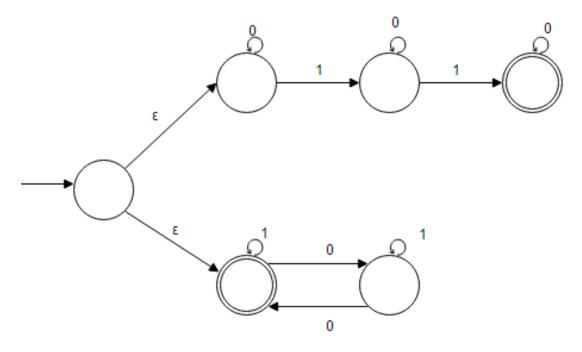


Figure 4: {w|w has either an even amount of 0's or exactly 2 1's}

- 2 State Diagrams of NFA
- 3 NFA to EDFA