ECS120 Fall 2007 Discussion Notes

Homework 2 Grading Notes

Slide Availability

- Will not be posted on website since contains information on homework solutions!

Statistics

- Average is 30.29 points, 75.7%
- Standard Deviation is 8.76 points, 21.9%
- Within one deviation
  - 21.53 to 39.05 points
  - 53.8% to 97.6%

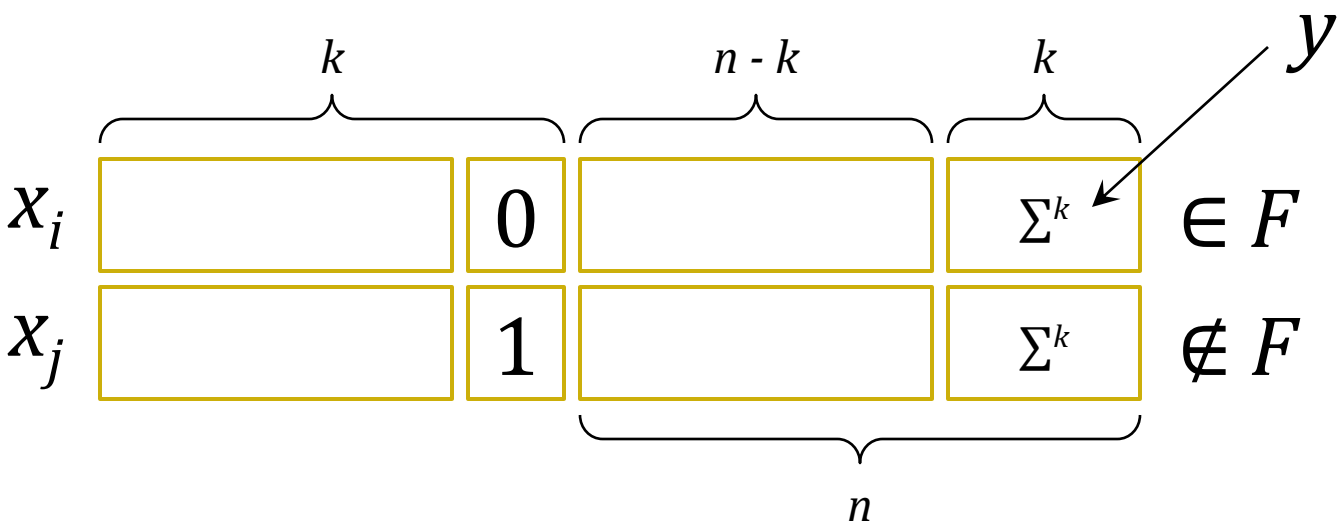
Problem 1

- To show that a DFA M accepts a language:
  - Show that if $w \in L$, then M accepts w.
  - Show that if $w \notin L$, then M rejects w.

- If you don't do both:
  - A DFA which accepts all strings accepts $w \in L$.
  - A DFA which rejects all strings rejects $w \notin L$.

Problem 2

- Assume that all strings are of length n
- Padding such that:

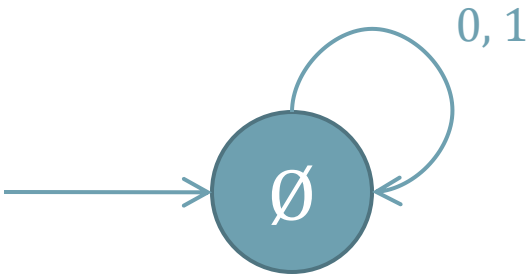


Problem 3

- Define M ***and*** f_M
  - f_M is the function M computes
    - Given input string, provides output produced by M
  - Output associated with ***states***, not transitions

Problem 4

- Don’t forget, if Ø is one of your states you need:



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