

CSCI 361: Exercise # 6

Your Name: _____

Due: Thursday, Sept 25, in class

Assigned reading for this lecture:

- Sipser Third Edition Chap 2.1 (Context-free Grammars)

Question:

Consider the context-free grammar G_3 in Example 2.3 of the textbook and answer the following:

- Show the derivation of the string of the `aabaabbb` using the rules of the grammar.
- Is it possible to design a DFA for the language identified by this grammar? Provide a yes or no answer. No justification needed.