

Lecture #21: Chomsky Hierarchy II – Context-Free Languages

What Will Happen During the Lecture

Remember... You Had Homework!

Students were asked to have worked through a set of notes before this first lecture:

- Lecture Notes — “Chomsky Hierarchy II: Context-Free Languages”

Of course, you may attend the lecture presentation if you have not worked through this material ahead of time — but it will not be repeated for you during the lecture presentation.

Topics To Be Discussed

- A proof will be given (or, at least, sketched) that an example grammar, given in the preparatory reading, has the language that is claimed in these notes.
- Time permitting, a proof of the “Pumping Lemma for Context-Free Languages” will be sketched.
- Time permitting, the “Pumping Lemma for Context-Free Languages” will be used to prove that a language is not context-free.