

**Today:** Homework 2 due. Catch-up and review.

**Next class:** Midterm exam.

**Next next class:** Pushdown automata (PDAs). § 2.2.

**Reminders:** Reading. Newsgroup.

1. List the members of your group below. Underline your name.
  
  
  
  
  
  
  
  
  
  
2. Convert the following grammar to Chomsky normal form. Upper-case letters denote variables and lower-case letters denote terminals. *Show enough intermediate results and include brief explanations* to make it clear that the method described in the textbook is being followed.

$$S \rightarrow AaB \mid BbA \mid aSa \mid bSSb$$

$$A \rightarrow ab \mid aaA \mid \epsilon$$

$$B \rightarrow b \mid Sb \mid \epsilon$$

[additional space for answering the earlier question]