

Class Exercise, 2/27/2020

We would like a context-free grammar to generate all if-then-else statements.
Assume the following meaning for symbols:

i if

c condition

e else

s statement

We would like to generate strings like *ics*

icses

icicses

icicseses

- Build a context-free grammar that generates such statements.
- Is your grammar ambiguous?
- If yes, can you make it non ambiguous?
- Can you also generate sequences of statements like *s ; s* and brackets like *ic{ic{s; s}e{s; s; s}}*