

Homework 10

Due: 2014.12.27 midnight

Problem 1 Construct a context-free grammar G where $L(G) = \{A \vdash B \mid A \text{ is an instantaneous description of the Turing machine you constructed in Homework 9 and } B \text{ is the reversal of the instantaneous description that follows by one move}\}$.

You do not need to completely specify G but give a production that captures a right move and one that captures a left move.