BLG311E: Formal Languages and Automata

Homework #3

Due Date: 20.11.2014, First Lecture Hour

1) Find a context-free grammar that generates the language accepted by the pda M = $(\{q_0, q_1\}, \{a, b\}, \{A, z\}, \delta, q_0, z, \{q_1\})$, with transitions

$$\delta(q_0, a, z) = \{(q_0, Az)\},$$
$$\delta(q_0, b, A) = \{(q_0, AA)\},$$
$$\delta(q_0, a, A) = \{(q_1, \mathcal{E})\}.$$