Assignment 10

Automata & Theory of Computation

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1. Produce a context-free language using the grammar G, with productions

 $S \rightarrow aaB$

 $A \rightarrow bBb|\lambda$,

 $B \rightarrow Aa$.

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2. Produce a context-free grammar to show the following language is context-free.

$$L = \{a^n b^m : n \le m + 3, n \ge 0, m \ge 0\}$$