Due: March 19

1. Let $M$ be the following PDA:

\[ \begin{align*}
0, \varepsilon & \rightarrow 0 \\
1, 0 & \rightarrow \varepsilon \\
\varepsilon, 0 & \rightarrow \varepsilon
\end{align*} \]

(a) Convert $M$ into a “special” PDA $M'$.
(b) Give the Case 2b rules when you convert $M'$ into a CFG $G$ using the method from class.

2. Problem 2.18. [This problem has a solution in the book. You do not have to turn in a solution. I just want you to read and understand the solution given in the book.]