   (By equivalent we mean the two CFGs generate the same language.)

2. 2.5. This problem asks you to give PDAs for the languages in 2.4. Please do part c and part e of problem 2.4. (A state diagram in each case is sufficient.)
   (In part e, note that the length of the string \( w \) might be either odd or even.)


4. Design a PDA accepting all palindromes over \( \{a, b, c\} \). (A state diagram is sufficient.)

5. 2.13.

6. 2.26.