Homework 1

1. Illustrate the phases of a compile. What is the main function for each phase?
2. What are the differences among name, identifier and variable?
3. What are the differences between declaration and definition.
4. Briefly explain the parameter passing mechanisms “call-by-value” and “call-by-reference”.
5. Grammar G is



1. What is the language L(G) specified by G?
2. Write the leftmost and rightmost derivations of the sentences 0127, 34 and 568.
3. Write a grammar, whose specified language is the set of odd numbers and each odd number does not start with 0.
4. Write the grammars for the following languages

