Cecilia Y. Sui

Compiler Construction

Homework #3 Regular Expressions

September 17, 2019

1. Slic variable names:

$$[a-zA-Z][a-zA-Z0-9]*$$

2. Slic reserved word while:

3. Slic floating-point constants (allowing scientific notation e.g. 8.9e-3):

$$(-|+)?[0-9]^+(.[0-9]^+)?((e|E)((-|+)?)[0-9]^+)?$$

4. Slic character string constants:

5. Over the alphabet {0, 1}, all non-negative binary integers that are divisible by four. Assume six-digit signed integers with two's complement.