Professor Sherr: Sholman Programming Languages Assignment B Owen Meyer

3.1)

Identifier -> Letter Ident

Ident -> (Letter I Digit) Ident I dent

Float -> Integer . Integer

Integer -> Digit Integer

3.2)

Identifier -> Letter Ident Ident -> Ident (Letter Digit) | \lambda Float -> Integer Integer Integer -> Integer Digit

3.3)
S 1, d 1 2 5 F

o confused about "Hint" provided, as the question does not say that the identifier cannot start w/

3.4) A DFSA is not able to keep track of how many left parens and how many right parens have been consumed, so cannot test for balanced parens.

$$E \times p \longrightarrow (0|...|a)$$

First
$$(s) = a$$
 (
First $(T) = a$ (