Edward Prokopik CSC 135 Homework 1

Function

statent

assmnt Trivial ifstmt

1000

read

Funcall

Trivial

Compresn

Trivial

exprsn

factor

opma

Opratr

Trivial

ident

First(x) n first(y)

follow(ident) n first(char)

follow(ident) = [2;, 3 U follow(opend) U {~}]

follow(opend) = [2 7] U 2*3 U follow(factor) U first(opent)

follow(factor) = [2 +] U follow (expresn)

follow(expresn) = [2; 3 U 2)}

follow(ident) = [2; 7 U[2] U 2*3 U 2*3 U 2*3 U 2 2 7 !] U2 2 7 !] U2 2 7 !]

follow(ident) = [2; 7 U[2] U2 3*4 U2 2 2 2 2 3 4 5 6 7]

first(char) = first(letter) U first(digit) = [x y z 0 1 2 3 4 5 6 7]

Char

first(x) n first(y)
first(letter) n first(digit)
{xyz} n {01234567}

integer

first(x) n first(y)

follow (integer) n first (digit)

follow (integer) = follow (opend) = {)} v {+} v {+} v {};)] v { \(\ - 7 \) } {\) * + ; \(\ - 7 \) } n {\(0 \) 23 4 5 67}

Ì

letter

Trivial

digit

Trivial