Niski Lab5-First Follow and First+ Sets

Problem 1

Follow(E) = {eof}

Problem 2

Follow(E) = {eof}

Follow(F) = {eof, +, -}

Problem 3

First(E) = {0, 1}

First(S) = {0, 1}

First(T) = {0, 1}

First(V) = {0, 1}

Problem 4

Follow(E) = {eof}

Follow(S) = {eof}

Follow(T) = {+, eof}

Follow(V) = {\*, +, eof}

Problem 5

First+(V-> 1) = {1}

First+(V-> 0) = {0}

First+(T-> V) = {0, 1}

First+(T-> V\*T) = {0, 1}

First+(S-> T) = {0, 1}

First+(S-> T+S) = {0, 1}

First+(E-> S) = {0, 1}

Problem 6

Answer was given in class due to time constraint

First+(F-> 0) = {0}

First+(F-> 1) = {1}

First+(Z-> \* F Z) = {\*}

First+(Z-> λ) = {λ, +, eof}

First+(T-> F Z) = {0, 1}

First+(Y-> + T Y) = {+}

First+(Y-> λ) = {λ, eof}

First+(E-> T Y) = {0, 1}