Theory

Find first (1) in compiler design:

First (1) Contains all lerminals present in first

place of every string derived by A.

(1) 5-abcldet Ighi

(2) first (terminal) = terminal

(3) first (6) = 6

Third follow (in compiler design:

Find follow (A) contains set off all terminals

Present immediate in right of 'A'.

(1) Follow of whart symbol in \$

FO(A) = (\$\frac{1}{2}\)

(2) $5 \rightarrow ACD$ $c \rightarrow a|b$ $Fo(A) = First(c) = \{a,b\}$ $Fo(D) = Follows(5) = \{4\}$

(3) 5 -> a5b5/b5a5/E
Pollow never contain E

lracet™

At the left most position.

dots at the leftmost position.

At Back Patching: Back Patching is basically a process of fulfilling unspecified information.

a program that's usually part of a compiler.

At fredictive pariser. A predictive pariser is a necursive descent with no backtracking on backup.

Dead code elimination: It is an optimization that removes code which does not affect the program results.

Compilere time evaluation; is the ability of a compiler, that would normally compile a function to machine code and execute it at run time, to execute the function at compile time.

Examinable propagation: It can be defined as the process of replacing the constant value of variables in the expression.

It lets us "reduce" multiplication operations
on IVS to addition operations.

pentonnes this movement automatically.