Extended BNF

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BNF = Backus-Naur Form
eBNF = Extended BNF

BNF - metodă precisă și non-ambiguă de a descrie context-free grammars

Element		Program schema
Option	[X]	**if** (symbol ∈ FIRST(X)) X();
Closure	X+	**do** X(); **while** (symbol ∈ FIRST(X));
	X*	**while** (symbol ∈ FIRST(X)) X();

List	X || D	X();
		while (symbol ∈ FIRST(D)) {
		D();
		X();
		}

G2':
Z -> E
E -> E+T | T
T -> i | (E)

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eBNF:
Z ::= E.
E ::= T ('+' T)*. echivalent cu E ::= T || '+'.
T ::= i | '(' E ')'.

Nonterminale: Z, E, T
Terminale: +, (,), i, \n

Comenzi pentru rulare:
lex eval.l
gcc -o EVAL lex.yy.c eval.c -ll
./EVAL

Input:
1+2+3
4+(5+6)
4