

Μεταγλωττιστές

2^η Εργαστηριακή εργασία

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Η Γραμματική

Οι κανόνες της γραμματικής

Grammar	
Stmt_list →	Stmt Stmt_list .
Stmt →	id equal Exp print Exp. .
Exp →	Term Term_tail.
Term_tail →	xor Term Term_tail .
Term →	Factor Factor_tail.
Factor_tail →	or Factor Factor_tail .
Factor →	Atom Atom_tail.
Atom_tail →	and Atom Atom_tail .
Atom →	openpar Exp closepar id number.

- All nonterminals are reachable and realizable.
- The nullable nonterminals are: Stmt_list Term_tail Factor_tail Atom_tail.
- The endable nonterminals are: Atom_tail Atom Factor_tail Factor Term_tail Term Exp Stmt_list Stmt.
- No cycles.

ΑΠΟΤΕΛΕΣΜΑΤΑ ΕΛΕΓΧΟΥ

nonterminal	first set	follow set	nullable	endable
Stmt_list	id print	\emptyset	yes	yes
Stmt	id print	id print	no	yes
Term_tail	xor	closepar id print	yes	yes
Term	openpar id number	closepar xor id print	no	yes
Factor_tail	or	closepar xor id print	yes	yes
Factor	openpar id number	closepar or xor id print	no	yes
Atom_tail	and	closepar or xor id print	yes	yes
Atom	openpar id number	closepar and or xor id print	no	yes
Exp	openpar id number	closepar id print	no	yes

The grammar is LL(1).

ΑΠΟΤΕΛΕΣΜΑΤΑ ΕΞΟΔΟΥ

```

bash - "georgekaraman" x Melagjullisles/ergasi x +
Run Run Config Name Command: Melagjullisles/ergasi
Your code is running at https://programming-georgekaraman.cs
Important: use os.getenv(PORT, 8080) as the port and os.gete
1111
111
10111110
11111
Process exited with code: 0

```

```

test.txt x +
1 a = 1001 or 1111
2 b = 111
3 c = 11001111 xor 01110001
4 print a
5 print b
6 print c
7 print (1001 and 111000 or 011111)

```