------------------------------

CDATA SEGMENT

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 CDATA 5 user id or undefined

1 SEGMENT 7 directive

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

M1 DD 111B

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 M1 2 user id or undefined

1 DD 2 id directives data type 2

2 111B 4 constant

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

M2 DW 0FH

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 M2 2 user id or undefined

1 DW 2 id directives data type 3

2 0FH 3 constant

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

M3 DD 20

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 M3 2 user id or undefined

1 DD 2 id directives data type 2

2 20 2 constant

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

SMS DB 'COMPILER 1.0.0'

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 SMS 3 user id or undefined

1 DB 2 id directives data type 1

2 'COMPILER 1.0.0’ 9 constant

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

CDATA ENDS

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 CDATA 5 user id or undefined

1 ENDS 4 directive end

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

------------------------------

INCAX MACRO

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INCAX 5 user id or undefined

1 MACRO 5 macro name

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

INC AX

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INC 3 inc mnemonic name

1 AX 2 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

ENDM

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

1 ENDM 4 macro end

------------------------------

INCNUM MACRO NUMBER

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INCNUM 6 user id or undefined

1 MACRO 5 macro name

2 NUMBER 6 user params

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

INC NUMBER

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INC 3 inc mnemonic name

1 NUMBER 6 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

ENDM

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

1 ENDM 4 macro end

------------------------------

CSEG SEGMENT

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 CSEG 4 user id or undefined

1 SEGMENT 7 directive

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

START:

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 START 5 user id or undefined

1 : 1 one symbol

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

MOV AX, 10H

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 MOV 3 mnemonic id of machine instruction

1 AX 2 register 16x

2 , 1 coma one symbol

3 10H 3 const

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: 3

Size of operand № 2: 1

BT AX, BX

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 BT 2 bt mnemonic name

1 AX 3 register 16x

2 , 1 coma one symbol

3 BX 2 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: 3

Size of operand № 2: 1

AAS

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 AAS 3 aas mnemonic name

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

INC CX

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INC 3 inc mnemonic name

1 CX 2 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

DEC WORD PTR [DI]

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 DEC 3 aas mnemonic name

1 WORD 4 id type 3

2 PTR 3 id operator type defining

3 [ 1 one symbol

4 DI 2 register 16x

3 ] 1 one symbol

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 5

Operand № 2: -1

Size of operand № 2: -1

AND AX,WORD PTR [DI]

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 AND 3 and mnemonic name

1 AX 2 register 16x

2 , 1 coma one symbol

3 WORD 4 id type 3

4 PTR 3 id operator type defining

5 [ 1 one symbol

6 DI 2 register 16x

7 ] 1 one symbol

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: 3

Size of operand № 2: 5

OR WORD PTR[DI + BX], 0001B

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 OR 2 or mnemonic name

1 WORD 4 id type 3

2 PTR 3 id operator type defining

3 [ 1 one symbol

4 DI 2 register 16x

5 + 1 one symbol

4 BX 2 register 16x

6 , 1 coma one symbol

7 ] 1 one symbol

7 0001B 5 const

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 7

Operand № 2: 9

Size of operand № 2: 1

CMP WORD PTR[BP], DX

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 CMP 3 cmp mnemonic name

1 WORD 4 id type 3

2 PTR 3 id operator type defining

3 [ 1 one symbol

4 BP, 3 register 16x

5 ] 1 one symbol

6 , 1 coma one symbol

7 DX 2 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 5

Operand № 2: 7

Size of operand № 2: 1

JL LBLJL

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 JL 2 jl id

1 LBLJL 5 user id or undefined

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

LBLJL:

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 LBLJL 5 user id or undefined

1 : 1 one symbol

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

MOV AX, [BX+SI]

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 MOV 3 id mnemonic machine instruction

1 AX 2 register 16x

2 , 1 coma one symbol

3 BX 2 register16x

4 + 1 one symbol

5 SI 2 register16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: 3

Size of operand № 2: 5

MOV AL, CS:[BX + DI]

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 MOV 3 mov

1 AL 2 register 16x

2 , 1 coma one symbol

3 CS 2 data segment

4 : 1 one symbol

5 [ 1 one symbol

6 BX 2 register 16x

7 + 1 one symbol

8 DI 2 register 16x

9 ] 1 one symbol

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: 3

Size of operand № 2: 7

MOV CL, ES:[BX + SI]

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 MOV 3 mov

1 CL 2 register 16x

2 , 1 coma one symbol

3 ES 2 data segment

4 : 1 one symbol

5 [ 1 one symbol

6 BX 2 register 16x

7 + 1 one symbol

8 SI 2 register 16x

9 ] 1 one symbol

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: 3

Size of operand № 2: 7

INCAX

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INCAX 5 macro id

Label field/name: 0

Mnemonic field: -1

Size mnemonic: -1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

INC AX

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INC 3 inc mnemonic name

1 AX 2 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

INCNUM M1

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INCNUM 6 macro id with params

1 M1 2 params

Label field/name: 0

Mnemonic field: -1

Size mnemonic: -1

Operand № 1: 1

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

INC M1

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 INC 3 inc mnemonic name

1 M1 2 register 16x

Label field/name: -1

Mnemonic field: 0

Size mnemonic: 1

Operand № 1: 2

Size of operand № 1: 1

Operand № 2: -1

Size of operand № 2: -1

------------------------------

CSEG ENDS

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 CSEG 4 user id or undefined

1 ENDS 4 directive end

Label field/name: 0

Mnemonic field: 1

Size mnemonic: 1

Operand № 1: -1

Size of operand № 1: -1

Operand № 2: -1

Size of operand № 2: -1

END

------------------------------

№ Lexeme Length Type

----------------------------------------------------------

0 END 3 end