

语法分析结果-1

文法

No.	Grammar
0	START->P
1	P->Q1 D S
2	Q1->~
3	D->L id ; Q2 D
4	Q2->~
5	D->~
6	L->int
7	L->float
8	S->id = E ;
9	S->if (C) M S N else M S
10	S->while M (C) M S
11	S->S M S
12	C->E > E
13	C->E < E
14	C->E == E
15	E->E + T
16	E->E - T
17	E->T
18	T->F
19	T->T * F
20	T->T / F
21	F->(E)
22	F->id
23	F->num
24	M->~
25	N->~

FIRST集

文法符号	FIRST 集
Q1	[~]
Q2	[~]
C	[num, (, id]
D	[float, ~, int]
E	[num, (, id]
F	[num, (, id]
num	[num]
L	[float, int]
float	[float]
while	[while]
M	[~]
N	[~]
P	[id, while, float, if, int]
S	[id, while, if]
T	[num, (, id]
else	[else]
id	[id]
if	[if]
==	[==]
([(]
)	[)]
*	[*]
+	[+]
-	[-]
int	[int]
/	[/]
;	[;]
<	[<]

文法符号	FIRST集
=	[=]
>	[>]
~	[~]

FOLLOW集

文法符号	FOLLOW集
Q1	[id, float, while, if, int]
Q2	[id, float, while, if, int]
C	[]
D	[id, while, if]
E	[=,), ::, +, <, -, >]
F	[=,), *, ::, +, <, -, >, /]
L	[id]
M	[(, id, while, if]
N	[else]
P	[\$]
S	[\$, else, id, while, if]
T	[=,), *, ::, +, <, -, >, /]