文法如下：

E→TE`

E’→+TE’|-TE’|ε

T→FT`

T’→\*FT’|/FT’|ε

F→(E)|i

FIRST和FOLLOW集合，如下：

|  |  |  |
| --- | --- | --- |
|  | FIRST | FOLLOW |
| E | ( i | )# |
| E` | + - ε | ) |
| T | ( i | + - ) |
| T` | \* / ε | + - ) |
| F | ( i | \* / + - ) |

分析预测表：

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | + | - | \* | / | ( | ) | i |
| E |  |  |  |  | E -> TE` |  | E -> TE` |
| E` | E` -> +TE` | E` -> -TE` |  |  |  | E` -> ε |  |
| T |  |  |  |  | T -> FT` |  | T -> FT` |
| T` | T` -> ε | T` -> ε | T` -> \*FT` | T` -> /FT` |  | T` -> ε |  |
| F |  |  |  |  | F -> (E) |  | F -> i |