Calculating *Follow* for the grammar:

```
Expr -> Term Expr'
Expr' -> + Term Expr' | - Term Expr' | \varepsilon
Term -> Factor Term'
Term' -> * Factor Term' | / Factor Term' | \varepsilon
Factor -> (Expr) | num | id
```

First set:

| | Expr | Expr' | Term | Term' | Factor |
|-------|------------|---------|------------|-------|------------|
| First | (, id, num | +, -, ε | (, id, num | *,/,ε | (, id, num |

Algorithm for constructing Follow:

- 1. Put \mathbf{eof} in Follow(S), where S is the start symbol
- 2. If there is a production A \rightarrow α B β , then everything in First(β) except for ϵ is placed in Follow(B)
- 3. If there is a production A \rightarrow αB , then everything in Follow(A) is in Follow(B)
- 4. If there is a production $A \to \alpha B\beta$ where First(β) contains ϵ , i.e. $\beta = >^* \epsilon$, then everything in Follow(A) is in Follow(B)

Follow set:

| Rule | Expr | Expr' | Term | Term' | Factor |
|------|------|-------|-------|-------|-----------|
| 1 | eof | | | | |
| 2 |) | | +,- | | *,/ |
| 3 | | eof,) | | +,- | |
| 4 | | | eof,) | | eof,),+,- |
| 3 | | | | eof,) | |