First Follow

Calculator for finding first, follow and predict sets

[GitHub](#)

Grammar

```
B -> D g C
B -> A f
B -> ε
C -> g C
C -> D h D
C -> ε
D -> i
D -> ε
```

Run

Predict sets

#	Sets
1	d, g, i, f, h, -|
2	g, i, h, b
3	i, d, g, f, h, -|
4	d
5	d, i, g, f, h, -|
6	i, g
7	d, g, i, f, h

#	Sets
8	-|, g, i, h, d, f
9	g
10	i, h
11	d, i, g, f, h, -|, b
12	i
13	-|, d, g, i, f, h, b

First sets

#	Sets
Start	d, g, b, i, h, f, ε
A	d, g, ε, i, f, h
B	d, ε, i, g, f, h
C	g, ε, i, h
D	i, ε

Follow sets

#	Sets
Start	-|
A	g, i, h, d, f, -|
B	-|, g, i, h, d, f

#	Sets
C	d, i, g, f, h, -|, b
D	-|, d, g, i, f, h, b

How to enter grammar?

- One line — one rule
- Rule consists of two parts: left and right
- Left and right parts are separated by "->"
- Left part can contain only one nonterminal
- Right part can contain terminals and nonterminals or empty chain
- Terminals and nonterminals in rule's right part must be separated by space
- Empty chain must contain only one character — ε