```
Q First (program) → First (declaration-list) → { Jow, Stow, Chb, Chain, Towf, Stow, worthless, 1, 111, include}
} First (delaration-list) → First (declaration) → {Iow, SIow, Chlo, Chain, Dwf, Slowf, worthless?
\mathbb{Q} First (declaration - list') \longrightarrow First (declaration) | \mathcal{E} \longrightarrow \{", ", ", ", ", ", ", \mathcal{E}\}
) First (declaration) -> First ( var-declaration) -> { ", ", ", ", ", ", ")
) First (var-declaration) -> First (type-specifier)-> [ Iow, Slow, Chlo, Chain, Iowf, Slowf, War
First (type-specifier) -> { Iow; Slow; Chlo; Chain; Iowf; Slowf; Worthress}
) First (params) -> First (param-list), First (param) -> [Tow, Stow, Chlo, Chain, Stowf, Tow
First (param-list) -> Worthless, First (param-list) -> {Worthless, E}
First (param-list!) -> E
J First (param) → First (type-Specifier) → {Chlo, Chain, Iow, Iowf, SIow, STowf, Worthless
) First (fun-declaration) -> First (type-specifier), First (comment)
     ( SIOW, IOW, IOWF, SIOWF, Chlo, Chain, Chlo, Worthless, /, //)
2 First (Compound-Start) \rightarrow  {
First (local-declarations) → First (local-declarations)) → [IDW, SIDW, Chain, Chlo, JIDW, JIDW,
) First (local-declarations') \rightarrow First (var-declaration), \varepsilon \rightarrow [Iau, SIau, Chain, Chlo, Iau, SIau, worthle)
* First (Statement-list) -> First (Statement-list) -> {ID; if; ; , E, Loop, Turbock, Stop, Utrote }
\mathbb{R} First (Statement-list) \rightarrow First (Statement), \mathbb{E} \rightarrow \{ \text{ID}, \text{if}, ;, \{ \} \} \}
First (Statement) -> First (expression-Stmt), First (compound-Stmt), First (selection-Stmt)
     , First (iteration-Stmt), First (jump-Stmt)
                → {ID, ;, if, {, Loopwhen, Iteratewhen, Stop, Turnback}
First (expression-stmt) -> First (expression), ; -> {ID);}
     First (Selection-Stmt) -> First (matched-Stmt), First (unmatched-Stmt) -> [ if]
     First (matched-stmt) -> if
> first (unmatched - stmt) -> if
R First(Uteration-stmt)→ First (loop-statement), First (Iterate-statement)→ {Loopwhen, Iterateuro
     First (Loop-Stotement) -> { Loopwhen}
First (Loop-Slavement) >> { Iteratewhen}

First (Iterate-Statement) >> { Iteratewhen}
First (jump - stmt) -> {Turnback, Stop}
First (expression) >> First (id-assign) >> {ID, () + ) -, INI_UUM, FLOAT NUMS
Eirst-(id-assign) -> ID)
```

```
First (simple-expression) -> First (additive-expression)
Dirst(additie-expression) -> First ( term) -> {(, ID,+)-, INT NON, FLOAT NON]
& First (torm) -> First (Factor) -> {(,ID,+)-, INT-NOM, FLOAT-NOM)
Exert(add the expression) - first (addop) & - (+1-18)
  tirst (term') -> first (mulap) 1 = -> { *, 1, E3
  First (oddop) -> { + 3 - 3
2) first (mulop) -> { *, /}
First (Foctor) -> { (, ID, +, -, INT_NUH, FLOAT_NUH)
5) First (call) -> [ID]
& First (args) -> First (arg-list) 1 = > { ID, E}
By First (arglist) -> First (expression) -> { ID}
  First (arg-list) > {, E}
Di First (num) -> First (signednum), First (unsignednum) -> {+ ) - > INT NUM,
  First ( signedrum) -> First ( pos-num), First (neg-num) -> {+ >-} FLAT V
D +.rs+(pos-rum) → {+}
  frest (regions) -> { - ]
18) First (unsignednum) -> First (value) -> { INT_NUH, FLOAT_NUH}
   First ( value ) -> { INT_NUH, FLOAT_NUH}
Bitist (coment) -> { 1, 1113
$6, First (include_command) → { include}
(A) First (F_nome) -> { STR}
(Ad) tret(relop) -> { 88, 1=, >=, >, <, <=, ==, 11}
```

```
1 Follow (program) -> { $}
2 follow (declaration-list) -> {$}
3) follow (declaration) -> First (declaration-list) -> ($, Iou, SIou, Iouf, SIouf, Chán Chio, Worthless)
 follow (declaration-list') -> { $}
) follow ( Var- declaration) -> first (Local- declarations) -> [ Iow, Iowf, SlowF, Chain,
                                                          Chlo, Worthless, STOW, 5}
) follow (type-specifier) -> { $, ID}
follow (fun-declaration) -> { $, Iow, Iowf, SIow, Jowf, Chain, Chlo, worthers }
follow (param - list) -> {$, ,}
 follow (param-list') -> {$,}}
follow (params) -> {$}
follow (param) -> { $}
 follow (compound-strit) -> {$}
) follow (local-declarations) -> {$}
 Follow (local - declarations) -> {$}
 follow (statement-list) → { $ }
  follow (statement-list) -> }$
  Pollow (statement) → first (statement-list) → {$, ID, if, ;, E, Loopurfen,
                                                      Turnback, Stop, iterateuren ?
) follow (expression-Stmt) -> [$]
 follow (expression) -> { ; , ), , }
  follow (selection - stmt) -> ( $)
  follow (matched - stmt) -> [else ]
   follow (unmatched-stmt) -> {$}
  follow (iteration - stm+) -> { $, ID, if,;, {, Loop when, Tumback, Stop, Iterate when}
  Pollow ( Loop- Statement) -> [$, ID, if,;, [, Loop when, Turnback, Stop, Iteratewhen]
  Pollow (Iterate-Statement) -> { &, IO, iF, ;, {, Loopwhen, Turnback, Stop, Iterateurhang
  follow ( jump - stint ) -> { $, if, ID,;, {, Lap when, Turnback, Stop, Treatenhang
    follow (simple-expression) -> { ; , ) , , , $}
```

```
Pollow (additive - expression) \longrightarrow \{ ; , ), , , , \& \&, !=, \Delta =, \Delta, \angle, \angle =, ==, != \}
 follow (relop) -> first (additive-expression) -> { (, ID, +, -, INT_NUM FLOAT_
 follow (term) -> first (additive-expression') -> {+1-1;11,0,$1&8,1=,2=
 Follow (addop) → first (term) → { ( , ID, +, -, INT_NUM, FLOAT_NUM, $}
follow (additive-expression) } } $ $ }
) follow (factor) \rightarrow first (term) \rightarrow { * , /, + 1-1; , 1, 2, 5, 88, !=, 2, 2,
                                  i) follow (mulop) -> First (Factor) -> { (, ID,+,-, INT_NUH, FLOAT_NUM, $}
) follow(Call) → follow(factor) → {*, /,+,-,;, ), ,, $, 88, !=, >, ∠, >=, <=
                             } = ! ر = =
\exists follow (args) \rightarrow \{ \pm, \} 
3) follow (arg-list) -> {$, )}
9) follow (arg-list) -> { $, }}
) follow(num) → {*,/,+,-,;,),,,$,&,!=,>,∠,>=,∠=,==,!=}
1) follow (Signed num) -> {+,-,*,/,,,,$, &&,!=, >, 4, >=, L=,==,!=}
  3) follow(pos-num) -> {+>->*1/,;,>,,$,88,!=, >, <,>=,==,!=}
1) follow (neg-num) -> {+>-> *1/19, ), $, $, $, !=, >, <, >= 1<= >!= }
6) follow (comment) -> {$, Tow, Jow, Chlo, Chain, Towf, Jowf, Worthless}
7) fdlow(include - Command) \rightarrow \{ \}
B) follow (f_name) -> f. ?
```