|  |  |  |
| --- | --- | --- |
|  | **FIRST** | **FOLLOW** |
| S | AM,class | $ |
| defs | AM,class  Eps | public,$ |
| class\_def | AM,class |  |
| AM | Public, private, protected |  |
| INH | : | { |
| CLASS\_BODY | Static  public,private,protected  DT,ID  Eps | },public |
| CLASS\_BODY’ | =  ( |  |
| CLASS\_BODY’’ | DT  ID |  |
| CLASS\_BODY’’’ | ID  ( |  |
| DEC | Static,Public,private,protected | public, private, protected |
| O\_Static | Static  Eps | public, private, protected |
| MST | static, Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  eps | } |
| SST | ID  DT  Flop  wloop,  if,  ++, - - |  |
| SST’ | (  ID  [  . |  |
| SST’’ | [  ID |  |
| SST3 | =  . |  |
| SST4 | ID  [ |  |
| SST5 | ]  ID,CONST,++,--,(,not,this,super |  |
| SST6 | ID  DT |  |
| SST7 | =  , Eps | ; |
| SST8 | [  ID |  |
| SST9 | ID,CONST,++,--,(,not,this,super  ] |  |
| SST10 | =  ,  . |  |
| SST11 | ]  ID,CONST,++,--,(,not,this,super |  |
| SST12 | New  ID,CONST,++,--,(,not,this,super |  |
| SST13 | [  ID |  |
| FUNC\_CALL | ID |  |
| OBJ | DT  ID |  |
| OBJ1 | ID |  |
| DT | DT  ID |  |
| DT’ | [  Eps | ID |
| FOR\_LOOP | floop |  |
| WHILE\_LOOP | Wloop |  |
| IF\_ST | If |  |
| O\_ELIF | El | else |
| ELSE | Else |  |
| ASSIGN\_ST | ID |  |
| P | ID | = |
| P’ | .  Eps | = |
| P’’’’ | . | = |
| INC\_DEC | ++,- - |  |
| ARRAY\_DEC | DT  ID |  |
| ARRAY\_DEC’ | [ |  |
| DT2 | DT  ID |  |
| CONSTRUCTOR | Public, private, protected |  |
| CONSTRUCTOR\_CALLING | Super  this  Eps | Static,  Public,private,protected  ID  DT  Floop  wloop,  if,  ++, - - |
| Q | ID  CONST  ++,--  (  Not  This  super |  |
| COND | ID  CONST  ++,--  (  Not  This  Super  True  False |  |
| OE | ID  CONST  ++,--  (  Not  This  super | /\*Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - - \*/  ,  ]  ;  ) |
| AE | ID  CONST  ++,--  (  Not  This  super |  |
| RE | ID  CONST  ++,--  (  Not  This  super |  |
| E | ID  CONST  ++,--  (  Not  This  super | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| T | ID  CONST  ++,--  (  Not  This  super | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| F | ID  CONST  ++,--  (  not,  this  super | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| F’ | PM  (  [ | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| F’’ | INC\_DEC  Eps | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| F’’’ | PM  [ |  |
| This’ | ID |  |
| Super’ | ID |  |
| This\_Super’’ | PM  ( |  |
| OE’ | Or  Eps | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| AE’ | And  eps | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| RE’ | ROP  eps | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| X | +  -  Eps | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| T’ | \*  /  %  Eps | Static,  Public,private,protected  ID  DT  Flop  wloop,  if,  ++, - -  ,  [  ]  ;  ) |
| ARGS2 | ID,CONST,++,--,(,not,this,super  eps | ) |
| NEXT2 | ,  Eps | ) |
| FUNC\_DEF | Static,Public,private,protected,DT,ID |  |
| ARGS | DT,ID  eps | ) |
| NEXT | ,  Eps | ) |
| X1 | ID | ,  ) |
| Y1 | [  Eps | ,  ) |
| Opt | [  eps | ID . , ) |
| Opt2 | , | ; |
| OPT3 | ID  = |  |
| M’ | ,  eps |  |
| M | =  ,  eps | ; |