|  |  |  |  |
| --- | --- | --- | --- |
| **S** | AM,class | $ |  |
| **defs** | AM,class  Eps | public,$ | AM,class,  Public,$ |
| **class\_def** | AM,class |  |  |
| **AM** | Public, private, protected,eps | Class,ID,DT |  |
| **INH** | extends | { | Same as first set |
| **CLASS\_BODY** | Static  public,private,protected  DT,ID  Eps | },public | Static,  public,private,protected  DT,ID |
| **CLASS\_BODY’** | = , ;  ( |  | Same as first set |
| **CLASS\_BODY’’** | DT  ID |  | Same as first set |
| **CLASS\_BODY’’’** | ID  ( |  | Same as first set |
| **DEC** | Static,Public,private,protected | public, private, protected | Same as first set |
| **O\_Static** | Static  Eps | public, private, protected | Static,  public, private, protected |
| **MST** | static, Public,private,protected  ID  DT  for  until,  if,  ++, - -  eps | } | static, Public,private,protected  ID  DT  for  until,  if,  ++, - - ,} |
| **SST** | ID  DT  for  until,  if,  ++, - - |  | Same as first set |
| **SST’** | (  ID  [  . |  | Same as first set |
| **SST’’** | [  ID |  | Same as first set |
| **SST3** | =  . |  | Same as first set |
| **SST4** | ID  [ |  | Same as first set |
| **SST5** | ]  ID,CONST,++,--,(,not,this,super |  | Same as first set |
| **SST6** | ID  DT |  | Same as first set |
| **SST7** | =  , Eps | ; | =, ; |
| **SST8** | [  ID |  | Same as first set |
| **SST9** | ID,CONST,++,--,(,not,this,super  ] |  | Same as first set |
| **SST10** | =  ,  . |  | Same as first set |
| **SST11** | ]  ID,CONST,++,--,(,not,this,super |  | Same as first set |
| **SST12** | New  ID,CONST,++,--,(,not,this,super |  | Same as first set |
| **SST13** | [  ID |  | Same as first set |
| **FUNC\_CALL** | ID |  | Same as first set |
| **OBJ** | DT  ID |  | Same as first set |
| **OBJ1** | ID |  | Same as first set |
| **DT** | DT  ID |  |  |
| **DT’** | [  Eps | ID | [,ID |
| **FOR\_LOOP** | for |  | Same as first set |
| **Until** | until |  | Same as first set |
| **IF\_ST** | If |  | Same as first set |
| **O\_ELIF** | else | else | Same as first set |
| **ELSE** | Else |  | Same as first set |
| **ASSIGN\_ST** | ID |  | Same as first set |
| **P** | ID | = ( ; |  |
| **P’** | .  Eps | = ( ; | . ,=, (,; |
| **P’’’’** | . Eps  (  [ | = ( ; | ., =, (, ; |
| **INC\_DEC** | ++,- - |  | Same as first set |
| **ARRAY\_DEC** | DT  ID |  | Same as first set |
| **ARRAY\_DEC’** | [ |  | Same as first set |
| **DT2** | DT  ID |  | Same as first set |
| **CONSTRUCTOR** | Public, private, protected |  | Same as first set |
| **CONSTRUCTOR\_CALLING** | Super  this  Eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - - | Super  This  Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - - |
| **Q** | ID  CONST  ++,--  (  Not  This  super |  |  |
| **COND** | ID  CONST  ++,--  (  Not  This  Super  True  False |  | Same as first set |
| **OE** | ID  CONST  ++,--  (  Not  This  super | /\*Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - - \*/  ,  ]  ;  ) | Same as first set |
| **AE** | ID  CONST  ++,--  (  Not  This  super |  | Same as first set |
| **RE** | ID  CONST  ++,--  (  Not  This  super |  | Same as first set |
| **E** | ID  CONST  ++,--  (  Not  This  super | Static,  Public,private,protected  ID  DT  For  until,  if,  ++, - -  ,  [  ]  ;  ) | Same as first set |
| **T** | ID  CONST  ++,--  (  Not  This  super | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | Same as first set |
| **F** | ID  CONST  ++,--  (  not,  this  super | Static,  Public,private,protected  ID  DT  For  until,  if,  ++, - -  ,  [  ]  ;  ) | Same as first set |
| **F’** | PM  (  [ | Static,  Public,private,protected  ID  DT  For  until,  if,  ++, - -  ,  [  ]  ;  ) | Same as first set |
| **F’’** | INC\_DEC  Eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | INC\_DEC  Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) |
| **F’’’** | PM  [ |  | Same as first set |
| **This’** | ID |  | Same as first set |
| **Super’** | ID |  | Same as first set |
| **This\_Super’’** | PM  ( |  | Same as first set |
| **OE’** | Or  Eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | Or  Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) |
| **AE’** | And  eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | And  Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) |
| **RE’** | ROP  eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | ROP  Static,  Public,private,protected  ID  DT  for |
| **X** | +  -  Eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | +  -  Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) |
| **T’** | \*  /  %  Eps | Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) | \*  /  %  Static,  Public,private,protected  ID  DT  for  until,  if,  ++, - -  ,  [  ]  ;  ) |
| **ARGS2** | ID,CONST,++,--,(,not,this,super  eps | ) | ID,CONST,++,--,(,not,this,super  ) |
| **NEXT2** | ,  Eps | ) | ,  ) |
| **FUNC\_DEF** | fun |  |  |
| **ARGS** | DT,ID  eps | ) | DT,ID  ) |
| **NEXT** | ,  Eps | ) | ,  ) |
| **X1** | ID | ,  ) | Same as first set |
| **Y1** | [  Eps | ,  ) | [  ,  ) |
| **Opt** | [  eps | ID . , ) | [  ID.,) |
| **Opt2** | , | ; | Same as first set |
| **OPT3** | ID  = |  | Same as first set |
| **M’** | ,  eps |  | , |
| **M** | =  ,  eps | ; | =  ,  ; |
| **Switch\_St** | when |  | Same as first set |
| **MCS** | Int\_const |  | Same as first set |
| **Switch\_label** | Int\_const |  | Same as first set |
| **Struct** | Struct |  | Same as first set |
| **List\_1** | DT  ID |  | Same as first set |
| **List\_2** | DT  ID |  | Same as first set |
|  |  |  |  |