```
<stmt> ::= {any alternative}
                   {no code-generation action}
 <write> ::= WRITE (<id-list>)
                  generate [ +JSUB
                                    XWRITE]
                  record external reference to XWRITE
                  generate [ WORD LISTCOUNT]
                  for each item on list do
                      begin
                          remove S(ITEM) from list
                          generate [ WORD
                                            S(ITEM)]
                      and
                  LISTCOUNT := 0
 <for> ::= FOR <index-exp> DO <body>
                  pop JUMPADDR from stack (address of jump out of loop)
                  pop S(INDEX) from stack (index variable)
                  pop LOOPADDR from stack (beginning address of loop)
                  generate [ LDA S(INDEX)]
                  generate [ ADD #1]
                                   LOOPADDR]
                  generate [ J
                              JGT LOCCTR] at location JUMPADDR
                  insert [
<index-exp> := id := <exp>, TO <exp>,
                  GETA (<exp>,)
                  push LOCCTR onto stack (beginning address of loop)
                  push S(id) onto stack {index variable}
                  generate [
                               STA
                                     S(id)]
                  generate [ COMP S(<exp>,)]
                  push LOCCTR onto stack (address of jump out of loop)
                  add 3 to LOCCTR (leave room for jump instruction)
                  REGA := null
 <body> ::= {either alternative}
                   [no code-generation action]
```