

do

The subroutine FORCOM completes the object program instructions for the preceding for list element. The object program 'For Statement End' is then compiled and an instruction to update the address following 'For' in the object program to point to the controlled loop. A stack entry is made of for begin to show that this is a for statement, with the second address following 'For' which will be updated to point to the statement following the for statement. The block name is also updated to its highest value.

The 'for clause' is defined in ALGOL as being followed by a Statement (a construct wide enough to include a Block, or another for statement). E is therefore set to 1 (to show that a statement is expected); ARITH and F (the for clause marker) are cleared - the latter was only of use during the processing of the for clause.