XASO EXECUTION STACK

THE EXECUTION STACK TRACKS THE EXECUTION OF THE FOLLOWING: * IF /ELSE / ENDIF * MACRO EXPANSION * WHILE / ENDW IT DOESN'T TRACK MACRO DÉFINITION, THAT'S A DIFFERENT SCHUARIO AS THERE CAN ONLY BÉ ONÉ MACRO DEFINITION AT A TIME STACK ELEMENTS WILL NEED TO CONTAIN: MACRO MEM REPEAT IF WHILE FILENAME LINE NUMBER IF MODE (IF OR ERSE BLK) IF PARENT VALUE & IF JALUE * REPEAT REMAINING * MOITIGHED STIMM ELSE DONE * THESE CAN BE COMBINED INTO A "GENERATE CODÉ" OPTION

WHILE OPERATION INITIAL COMMAND, E.S.

HAVE TO ASSEMBLE AND CHECK IF TRUE

OR FALSE. MARK "WHICE - IS - ACTIVE" ACCORDINGLY.

PUT THIS ON THE STACK OF AMOUD IF
ALREADY THERE

KEEP GOING UNTIL ENDW IS FOUND.
CHECK THAT TOS IS "WHILE."

CHECK THAT TOS IS WHILE.

IF WHILE-IS-ACTVE GO BACK TO CHECKING

THE ORIGINAL WHILE LINE. IF IT MATCHES

TOS FILENAME AND LINE, REASSES AND

AMEND TOS ACGORDINGLY.

IF WE GOT TO ENDW AND WHILE-IS_ACTIVE IS

FALSE, THEN POP THE WHILE COMMAND OFF

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REPEAT / ENDR OPERATION

INITIAL COMMAND, E.S.

REPEAT 4

PUT THIS ON THE STACK OR AMOUND IF ALREADY THERE BY DECREMENTING

IF REPUAT COUNT IS ZERD, DON'T PRODUCE

ANY CODE

KEEP GOING UNTIL ENDR IS FOUND

CHECK TOS IS "ROPEAT", IF NOT EXROR

IF COUNT FO GO BACK TO START