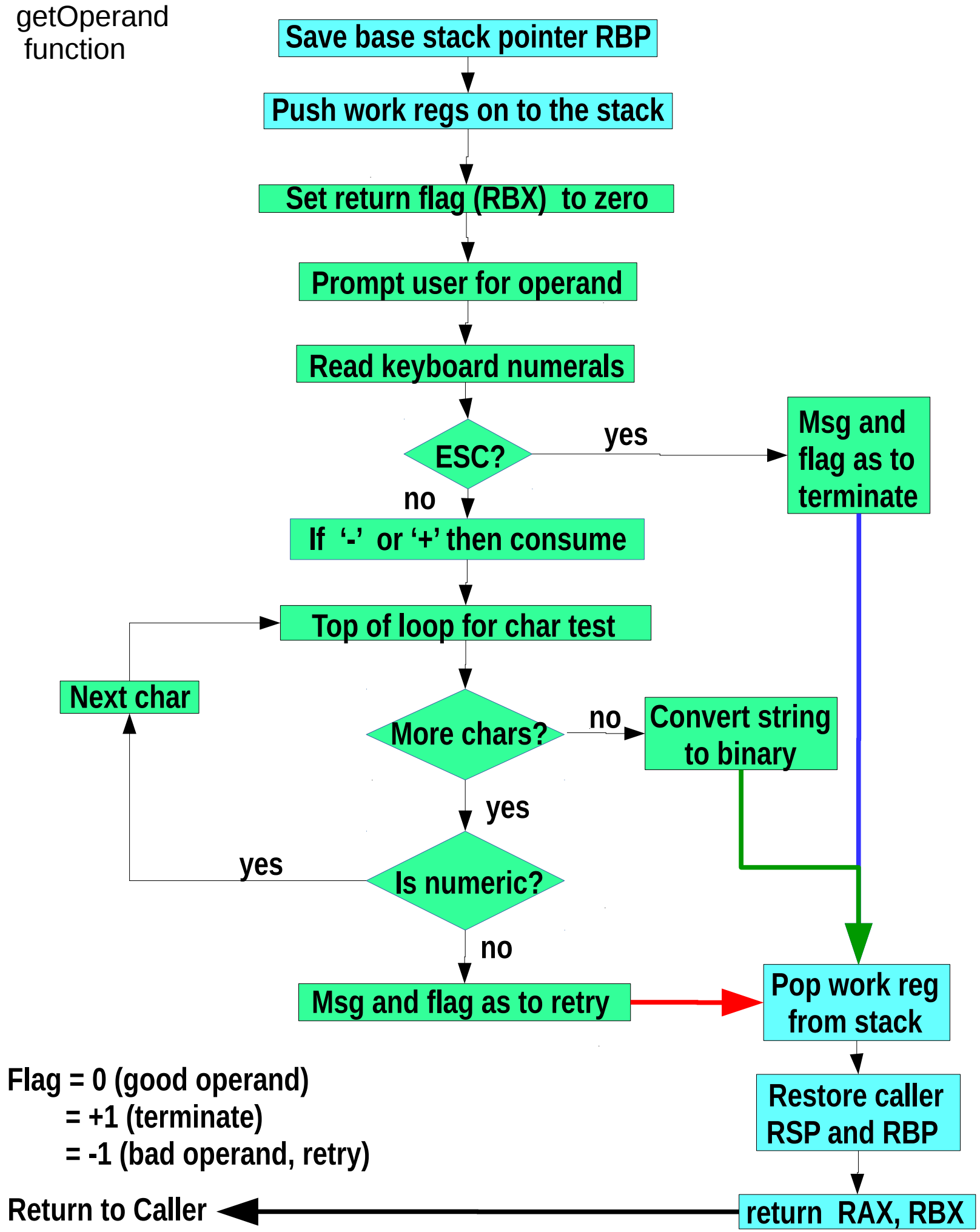
getOperand function
Save base stack pointer RBP
Push work regs on to the stack
Set return flag (RBX) to zero
Prompt user for operand
Read keyboard numerals
ESC?
yes
Msg and flag as to terminate
no
If '-' or '+' then consume
Top of loop for char test
Next char
More chars?
no
Convert string to binary
yes
yes
Is numeric?
no
Msg and flag as to retry
Pop work reg from stack
Restore caller RSP and RBP
return RAX, RBX
Flag = 0 (good operand)
= +1 (terminate)
= -1 (bad operand, retry)
Return to Caller