References:
Shared ppt
https://llvm.org/doxygen/index.html

Used graph to detect cycles
Finding the loop variable of loops to multiply each instruction by iteration count
Add with the other program's instruction count

Printing the count of arithmetic and memory instructions
Print the answer at the end of the file:
Eg:
arith10memory operation33
        ANSWER IS:3.030303e-01
P.S. Ignore the print statements before these lines

Have added the following test cases:
No Loops
Multiple For loops works
Single-loops work
Do while loops
While loops work