BITE CODE

I dunno what bytecode is. Could you tell me what input of 'checkNum' will return true? The flag is just a 32-bit signed integer as a decimal (nothing else.) https://mega.nz/#!qfATFaKR!zaTNExq3Bm1MjJnePjTGQyvnvLX\_xZxhbGaMv\_ypaxo

This was one of the toughest challenges as it require the basic knowledge of compiler, JVM, bytecode. I spent hours solving this but was unable to solve. In the end I looked up its solution and it was way more easy.

A simple java code and some knowledge of bytecode will do the work.

The java code:

public class Solution {

public static void main(String[] args) {

int a = 525024598;

int b = -889275714;

for (int i = Integer.MIN\_VALUE; i < Integer.MAX\_VALUE; i++) {

int s1 = (i << 3) ^ (a ^ i);

if (s1 == b) {

System.out.println("Proper input: " + i);

break;

}

}

}

}

After running this script, output will be a decimal number which is the flag:

flag{-1352854872}