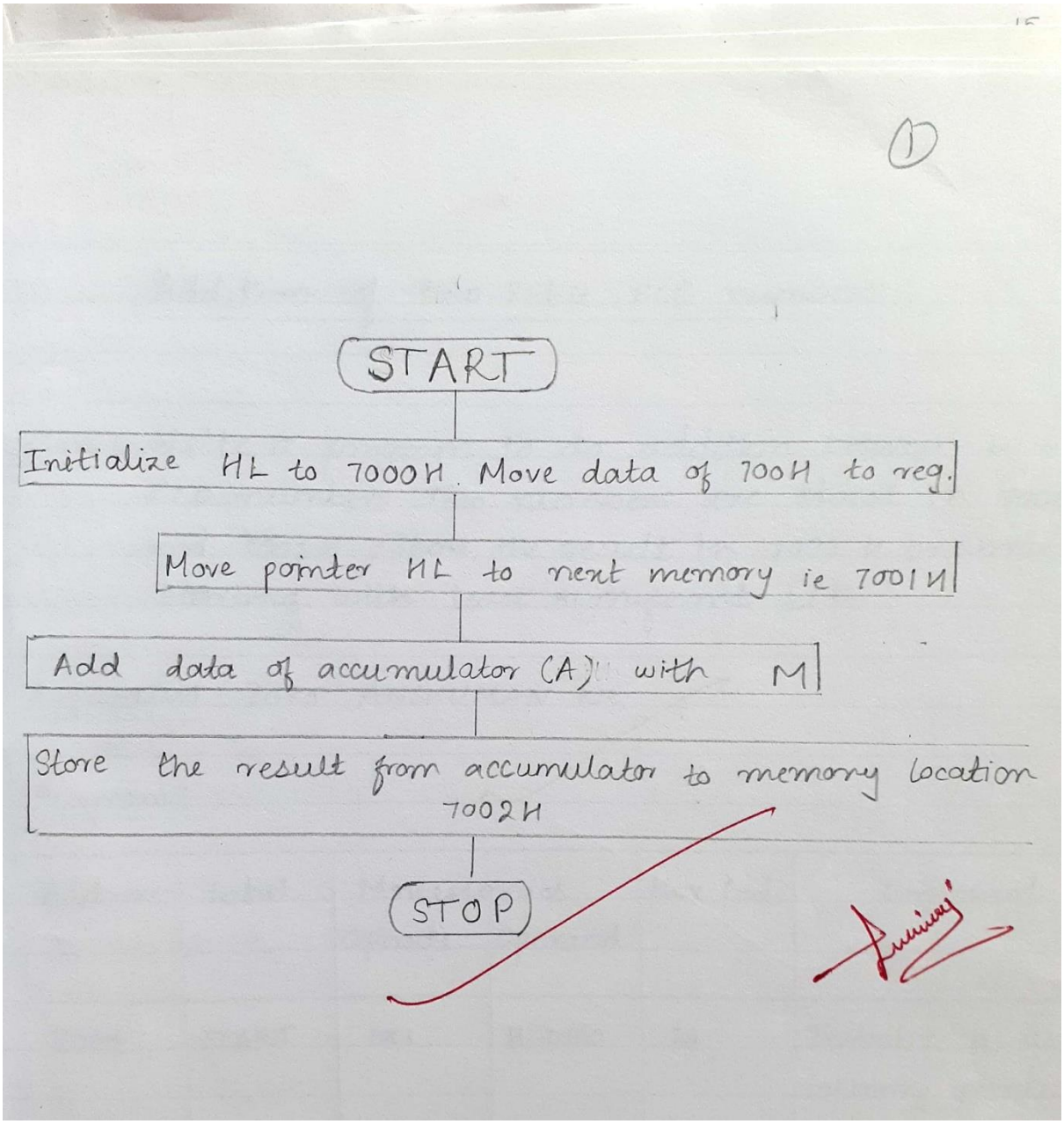
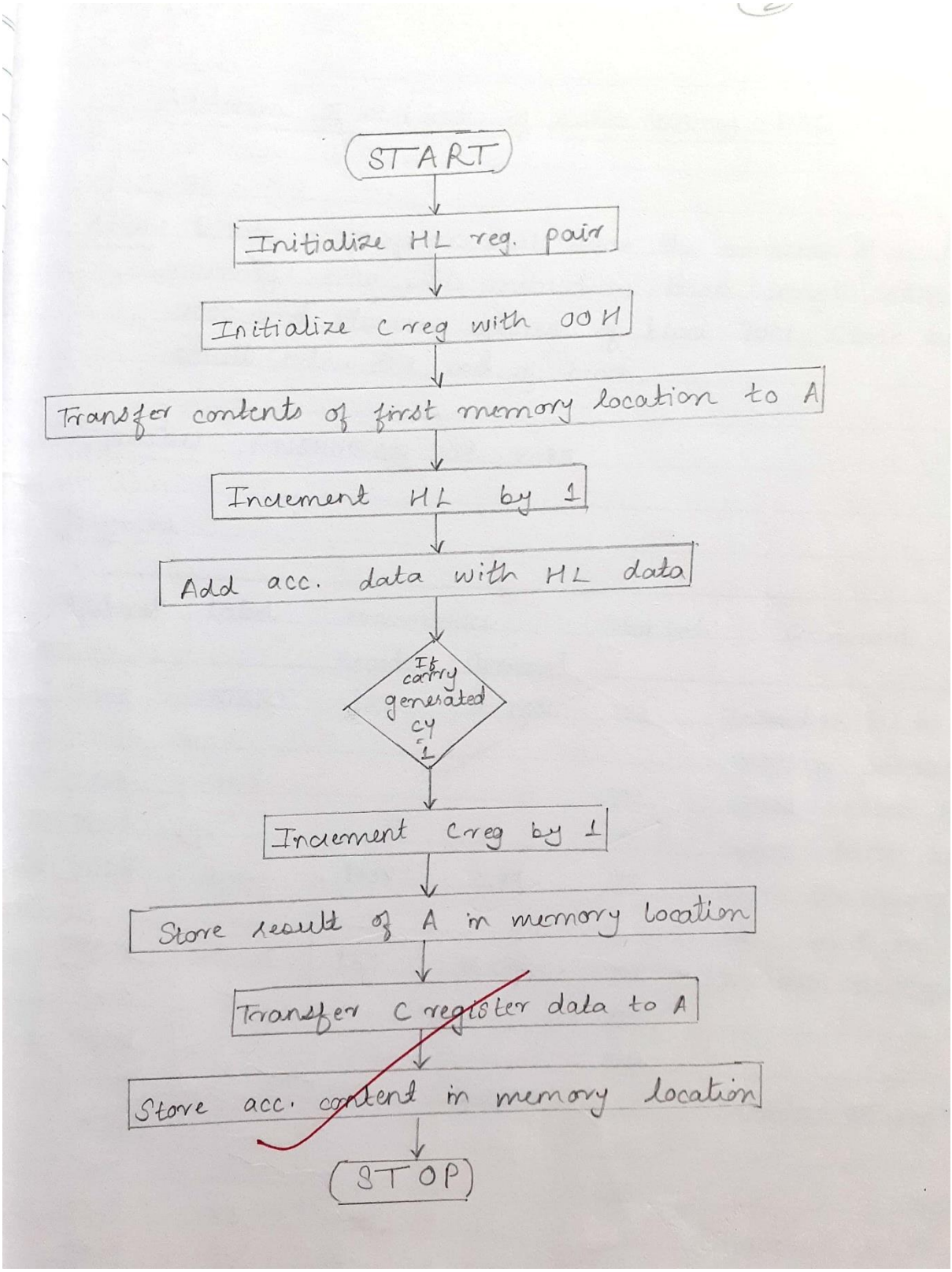
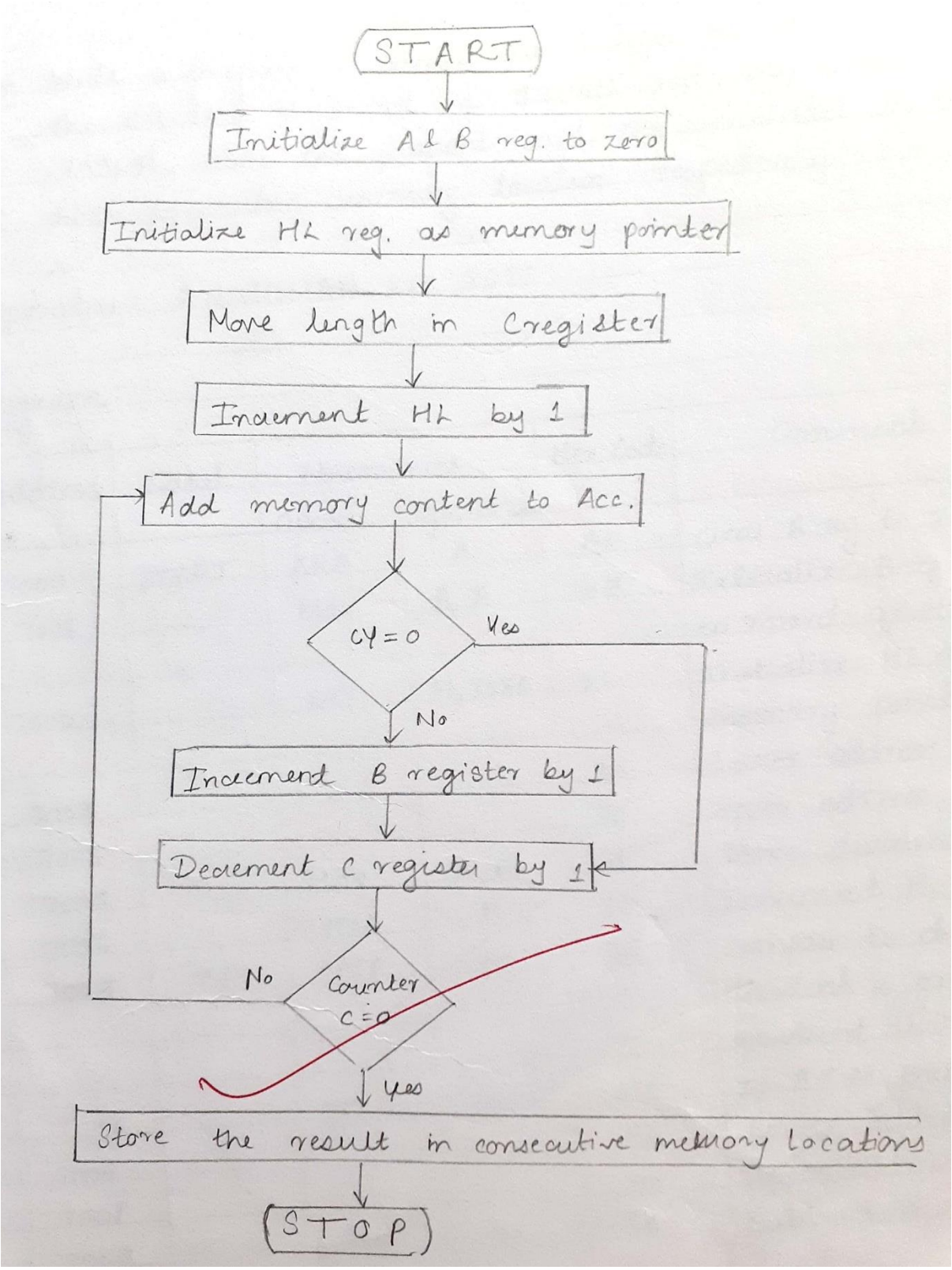
2) Write a program to do addition between 8-bit numbers. Two numbers are stored in 7000H and 7001H. Store the result in 7002H.



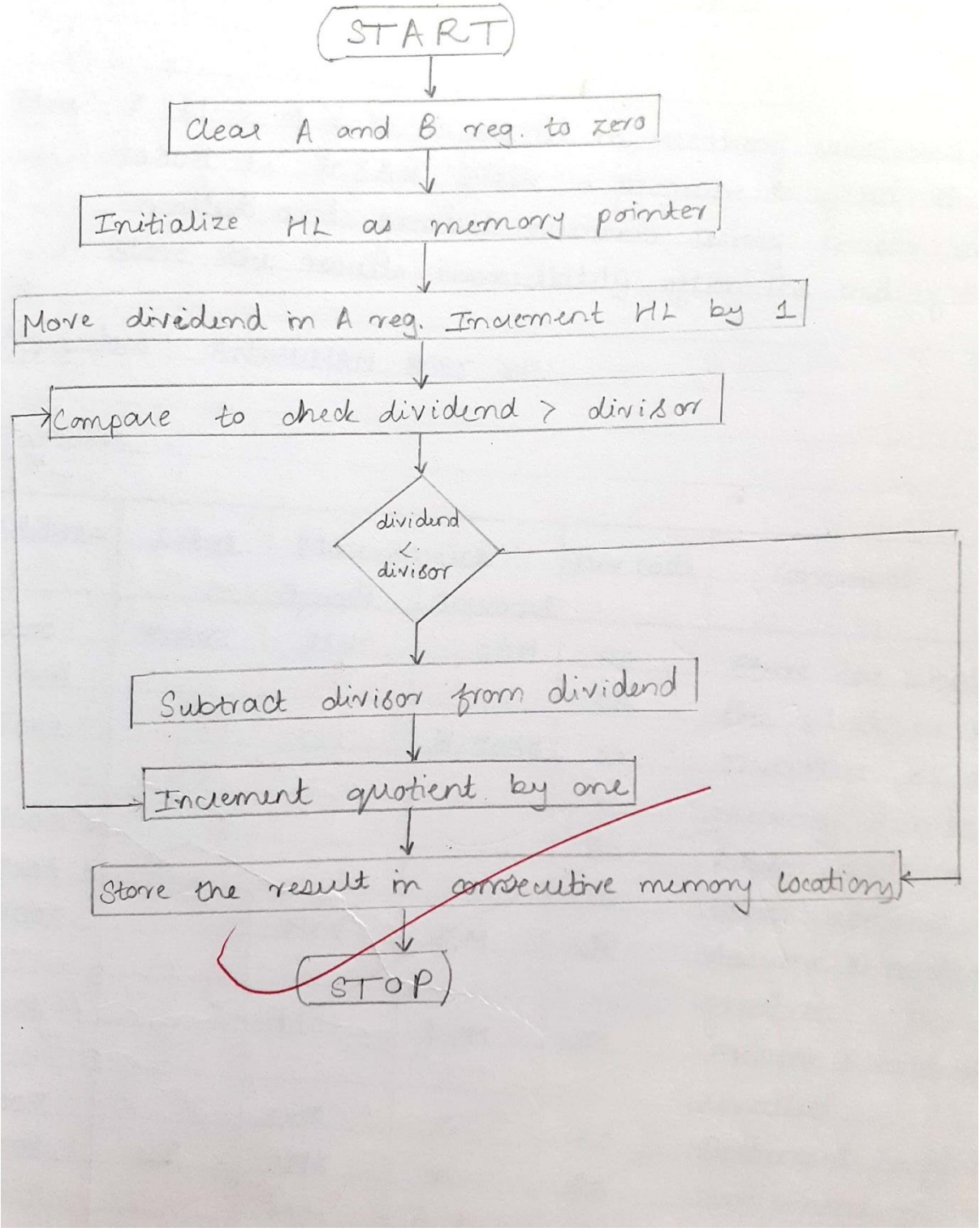
3) Write a program to do addition between 8-bit BCD numbers. Two numbers are stored in 7000H and 7001H. Store the result in 7002H onwards starting with least significant bit.

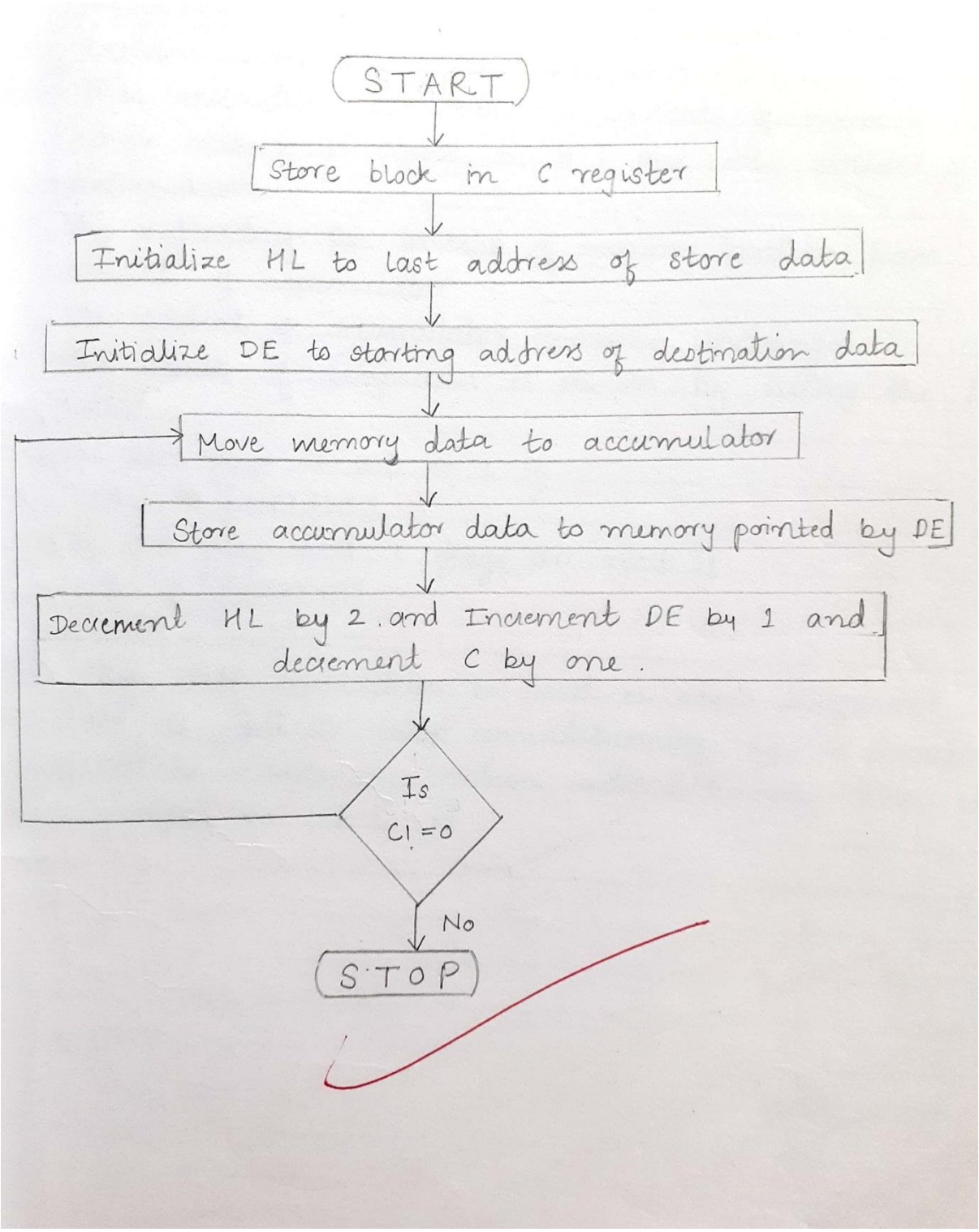


4) Write a program that multiplies two 1-byte hex numbers stored in consecutive memory locations starting from 7015H. Store the two byte result in consecutive memory locations starting from 7017H beginning with lower order byte.

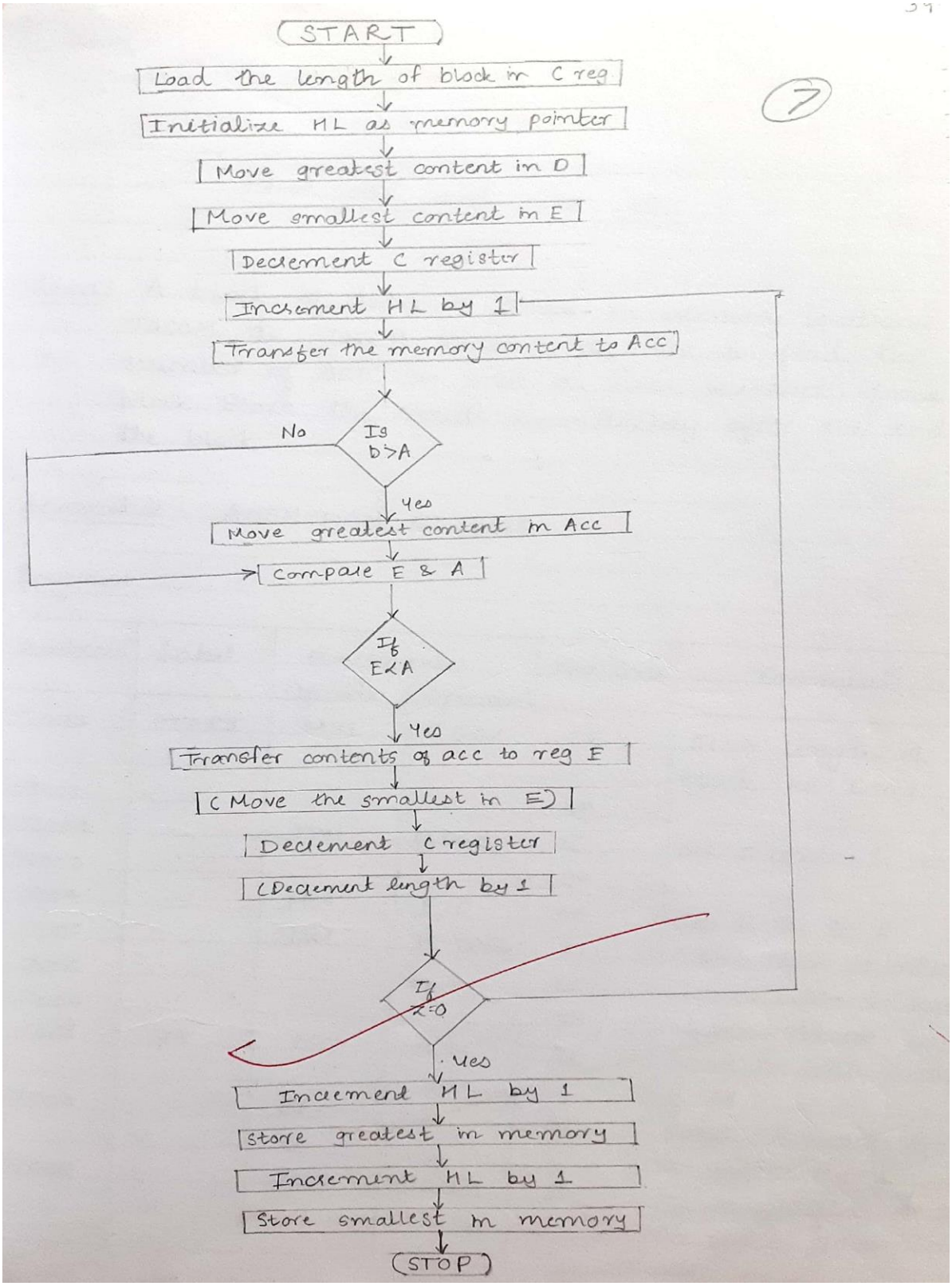


5) **Write a program that divides two 1 byte hex numbers where the dividend is stored in 7030H and the divisor stored in 7031H. Store the quotient and the remainder in the next consecutive memory locations respectively.**

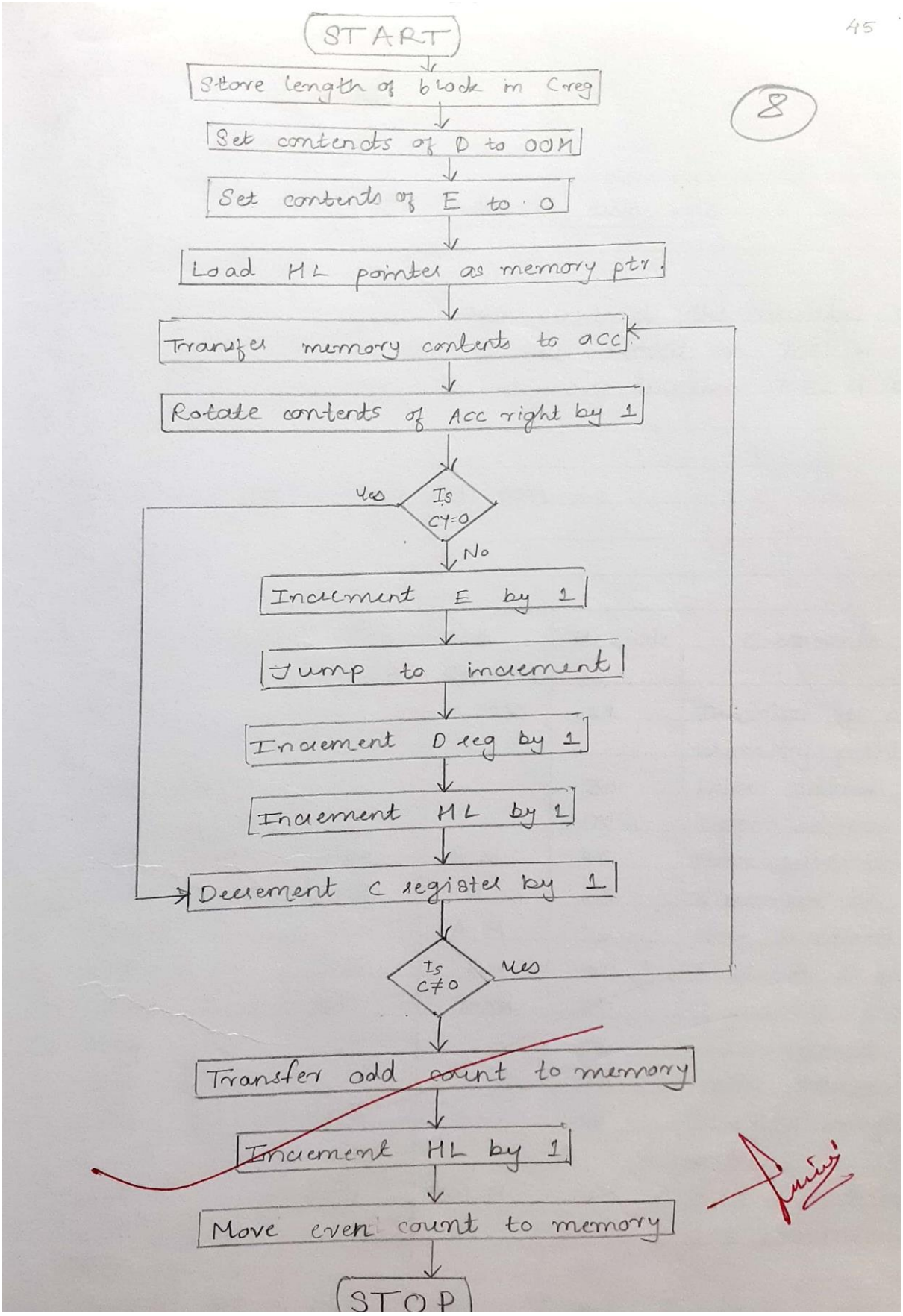



START
Store block in C register
Initialize HL to last address of store data
Initialize DE to starting address of destination data
Move memory data to accumulator
Store accumulator data to memory pointed by DE
Decrement HL by 2. and Increment DE by 1 and decrement C by one.
Is
C1 = 0
No
STOP

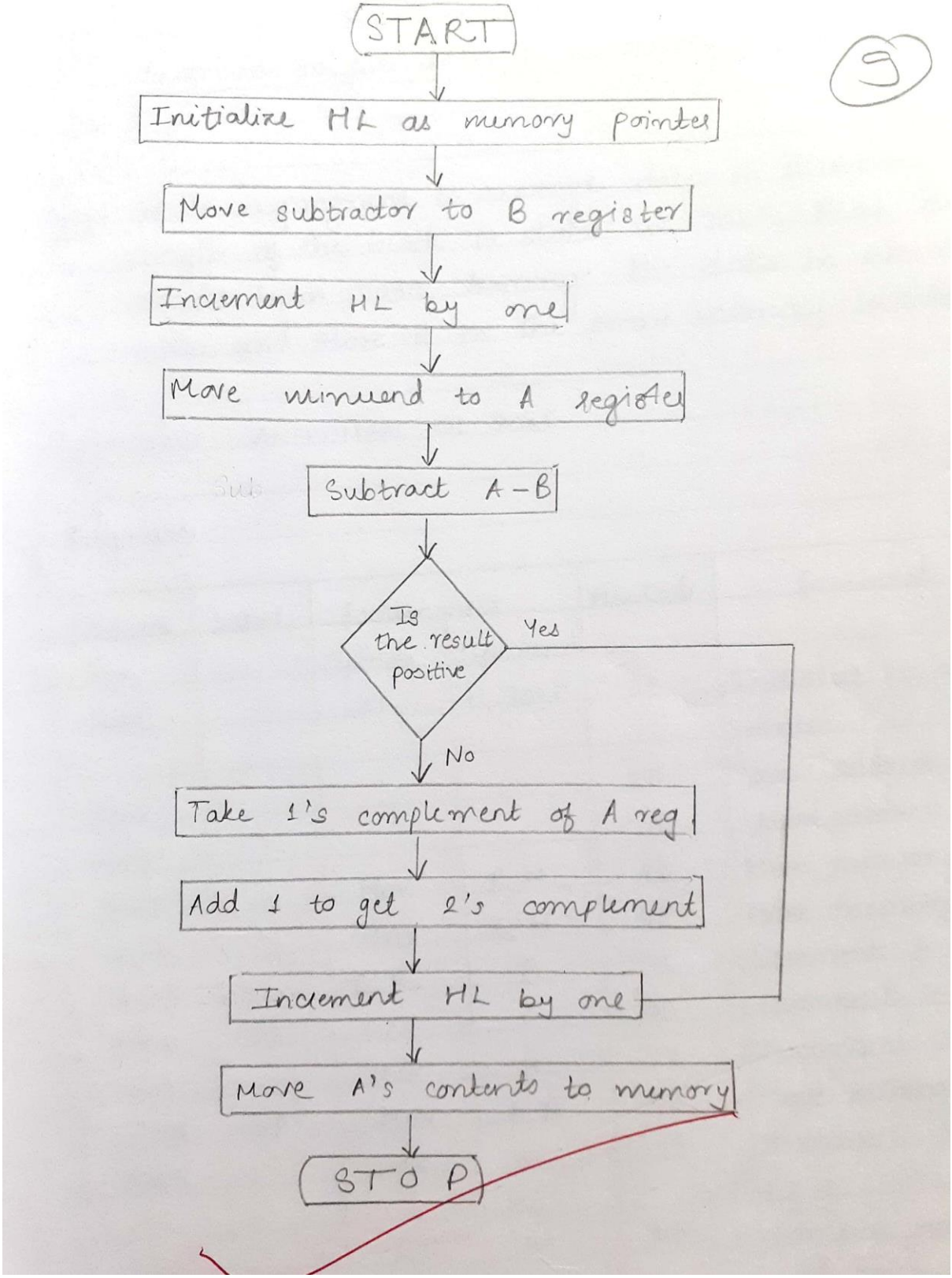
6. Write a program to find the smallest as well as greatest number.



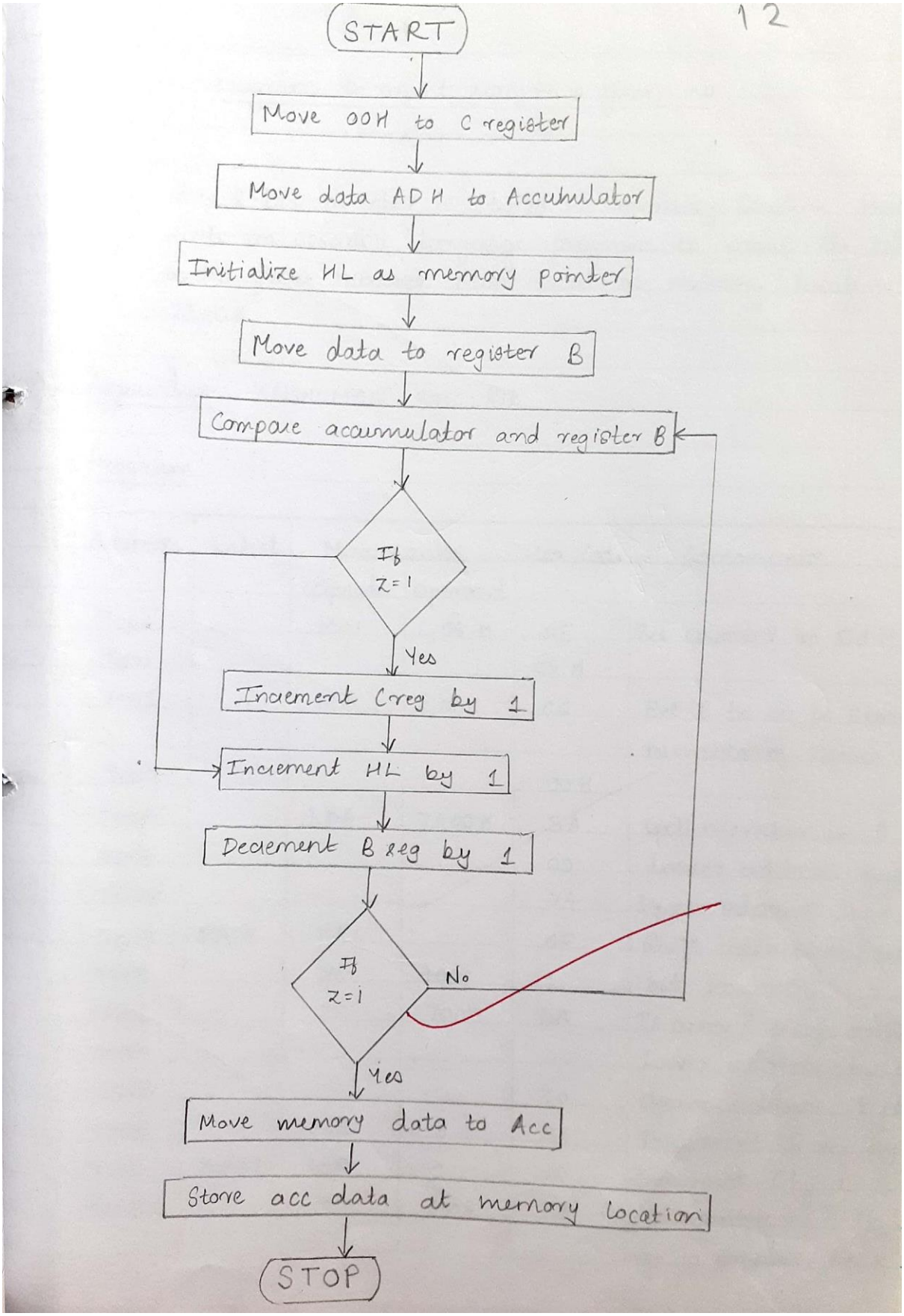
7. To find the number of odd as well as even numbers.



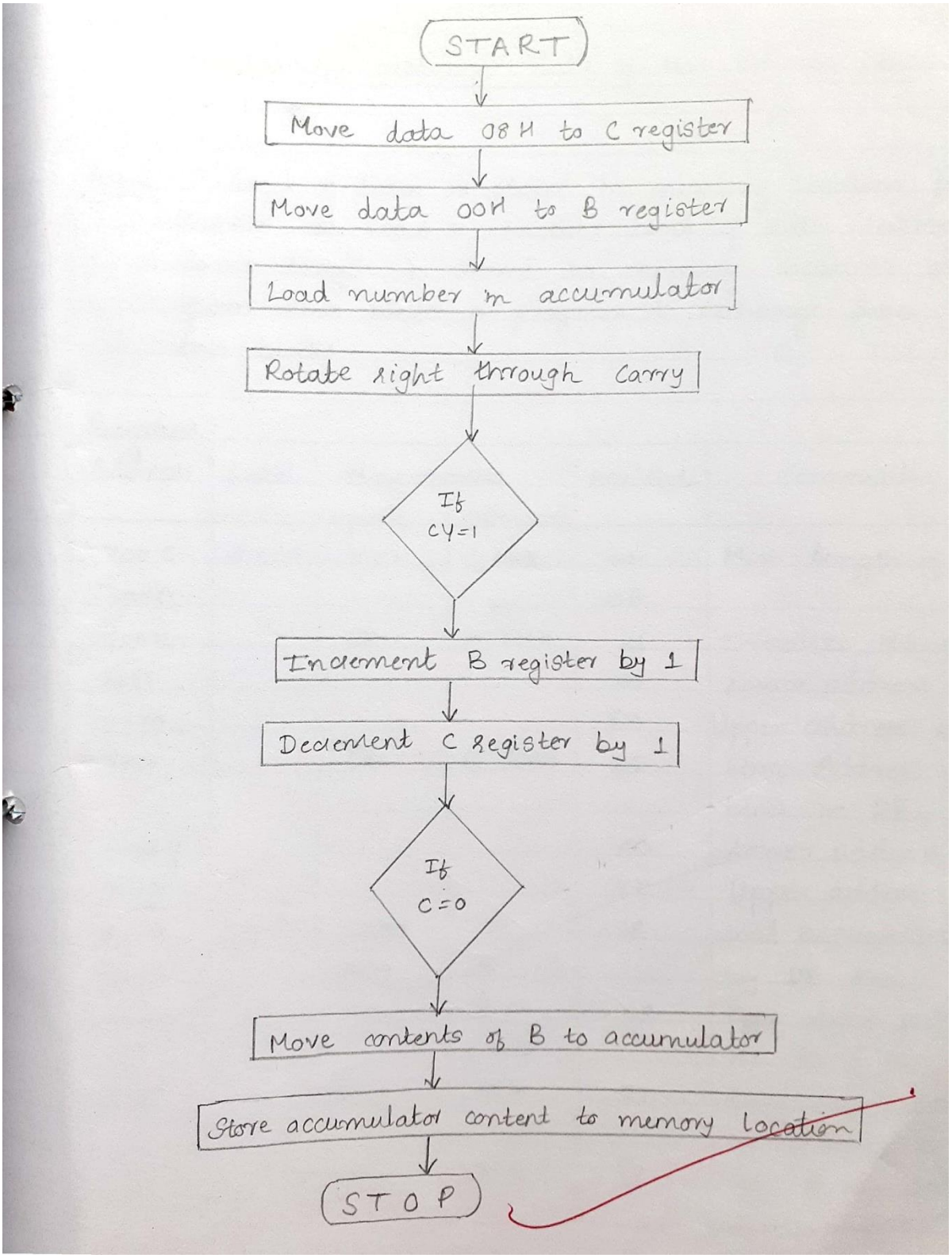
8. Write a program to subtract two numbers.



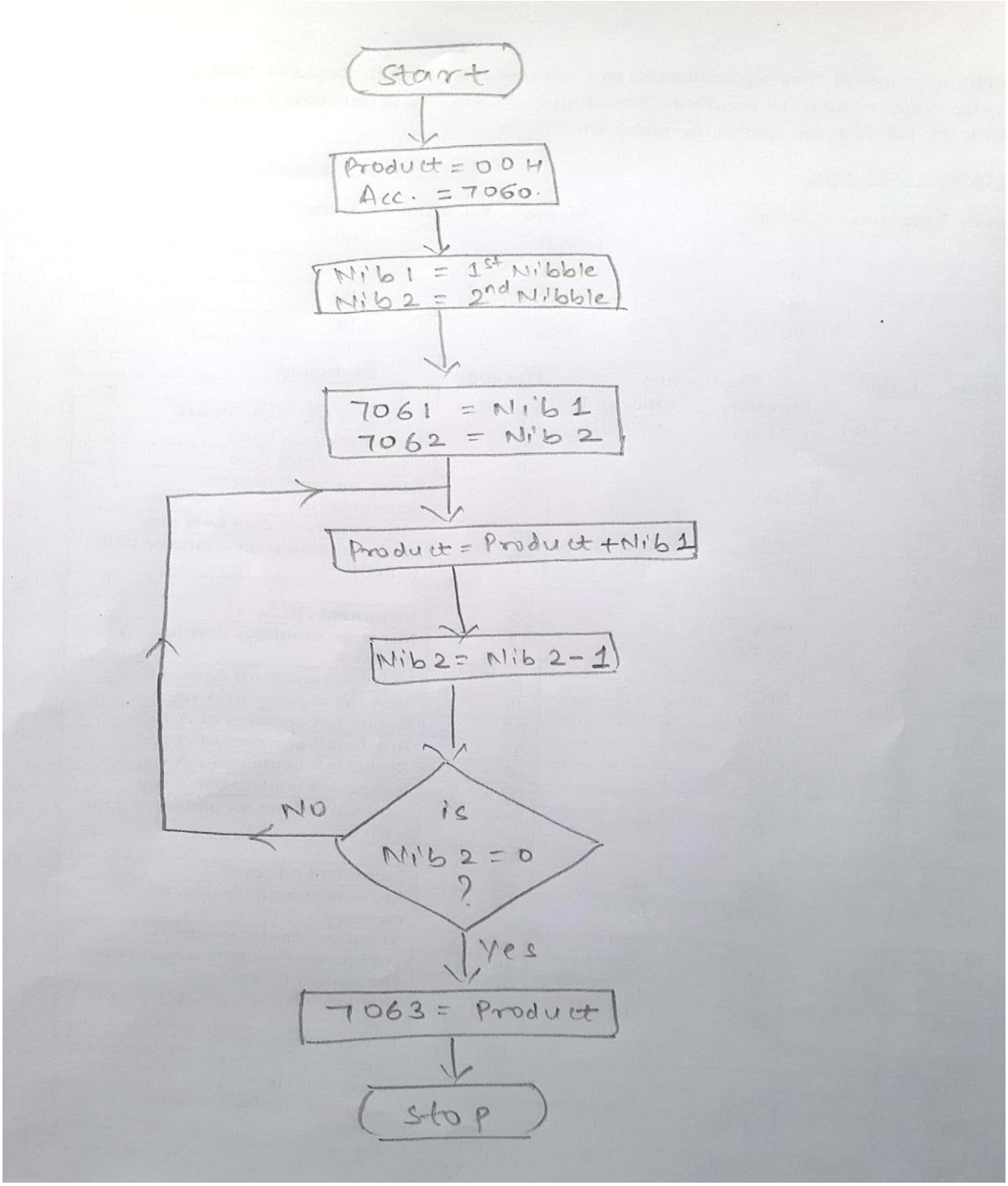
9.Program to find how many times data appears in a block.



10. Program to count zero in a given number.



11. Program that separates the two nibbles of a number and also multiply the two nibbles.



12. Program to transfer data in a reverse order.