PROGRAM -1:

Write a ALP to solve given equation.

RES= (A+B) \* (A-B)

Store the values of A,B, intermediate results and final results in memory locations.

A: DB 3

B: DB 1

R1: DB 0

R2: DB 0

RES: DB 0

start:

MOV AL, BYTE A

MOV BL, BYTE B

ADD AL, BL

MOV BYTE R1, AL

MOV AL, BYTE A

MOV BL, BYTE B

SUB AL, BL

MOV BYTE R2, AL

MOV AL, BYTE R1

MUL BYTE R2

MOV BYTE RES, AL

HLT