NAME main

PUBLIC \_\_iar\_program\_start

SECTION .data:CONST:NOROOT(2)

num DC8 0x01,0x02,0x03,0x04

result DC8 0x00

SECTION .intvec:CODE:NOROOT(2)

\_\_iar\_program\_start

main

ADR R0,num

MOV R5,#4

MOV R1,#0

MOV R2,R1

MOV R10,#10

loop MOV R7,R1

MUL R1,R7,R10 ;10(a+(10(b+(10(c+10d)))));

LDRB R4,[R0],#1

ADD R1,R1,R4

SUBS R5,R5,#1 ;Count

BNE loop

STR R1,result

stop B stop

END