NAME main

PUBLIC \_\_iar\_program\_start

SECTION .data:CONST:NOROOT(2)

string DCB 'radar'

endDCb 0x00

length DCD end-string

SECTION .intvec:CODE:NOROOT(2)

\_\_iar\_program\_start

main

ldr R5,length

ldr R0,=string

mov R1,R0

add R1,R1,R5

SUB R1,R1,#1

loop CMP R1,R0

BMI PALI

LDRB R2,[R0],#1

LDRB R3,[R1],#-1

CMP R2,R3

BEQ loop

NOTPALI MOV R10,#0

STOP B STOP

PALI MOV R10,#0XFF

stop b stop

end

**STRING REV CPY**

NAME main

PUBLIC \_\_iar\_program\_start

SECTION .data:CONST:NOROOT (2)

str dc8 'hello'

stre dc8 0x0

len dc32 (stre-str)

copy ds32 0x20

rev ds32 0x20

SECTION .intvec:CODE:NOROOT (2)

\_\_iar\_program\_start

main

ldr r0,=str

ldr r1,len

ldr r3,=copy

ldr r4,=rev

loop ldrb r5,[r0],#1

strb r5,[r3],#1

strb r5,[r4],#-1

subs r1,r1,#1

bne loop

ldr r1,len

sub r1,r1,#1

stop b stop

END