7A)IF 32BIT FOUND DISP FFFFFFF IN R0

```
AREA DATA1, DATA, READONLY
ARRY DCD 0X08F, 0X012, 0X55, 0X03, 0X088
AREA DATA2, DATA, READONLY
KEY DCD 0X088
LEN EQU 05
AREA PROGRAM, CODE, READONLY
ENTRY
EXPORT START
START
LDR R0,=ARRY
LDR R2,=LEN
LDR R3,=KEY
LDR R4,[R3]
LOOP
LDR R5,[R0]
CMP R4,R5
BEQ FOUND
ADD R0,R0,#4
SUBS R2,R2,#0X1
BNE LOOP
MOV R0,#0
B STOP
FOUND MOV R0,#0XFFFFFFFF
STOP B STOP
END
```

7B)LARGEST/SMALLEST FROM ARR OF 5 NUM

```
      AREA SRC, DATA, READONLY
      DCD 0x0000008F, 0x00000012, 0x00000024, 0x00000023, 0x00000011
      ALIGN
      AREA DST, DATA, READWRITE
      SPACE 02
LEN EQU 05
      AREA PROGRAM, CODE, READONLY
ENTRY
      EXPORT START
START
      LDR R6,=LEN
      LDR R0,=SRC
      SUB R6,R6,#01
      LDR R7,[R0],#04
TOP
      LDR R8,[R0],#04
      CMP R8, R7
      MOVGE R7, R8
      SUB R6, R6,#1
      CMP R6, #00
      BNE TOP
      LDR R0,=DST
      STR R7,[R0]
STOP B STOP
      END
```

7C)LARGEST/SMALLEST IN GIVEN ARR

```
      AREA LIST, DATA, READONLY
      DCD 0x0000008F, 0x00000012, 0x00000024, 0x00000023, 0x00000011
      ALIGN
      AREA DST, DATA, READWRITE
      SPACE 10
LEN EQU 05
```

```
        AREA PROGRAM, CODE, READONLY
ENTRY
        EXPORT START
START LDR R0,=LEN
      LDR R5,=LIST
      LDR R6,=DST
UP LDR R1,[R5]
      STR R1,[R6]
      ADD R5,#04
      ADD R6,#04
      SUB R0,#1
      CMP R0,#00
      BNE UP
      LDR R0,=LEN
TOP2 LDR R6,=DST
      LDR R1,=LEN
      SUB R1,#1
TOP LDR R2,[R6]
      ADD R6,#4
      LDR R3,[R6]
      CMP R2,R3 ;
      BLE DN
      STR R2,[R6]
      SUB R6,#4
      STR R3,[R6]
      ADD R6,#4
DN SUB R1,#01
      CMP R1,#00
      BLE DN1
      B TOP
DN1 SUB R0,#1
      CMP R0, #00
      BLE DN2
      B TOP2
DN2 B DN2
      END
```