```
 1    PB_OUT              EQU 0x4000503C
 2                        AREA        main, READONLY, CODE
 3                        THUMB
 4                        EXPORT      my_ST_ISR
 5    ;This script is called when sysTimer is triggered
 6    ;According to value in R10, it will be determined which rotation will be occured,
 7    ;CounterClockWise(cCW)      ClockWise(cW)
 8    ;R10 value is changing in main function
 9    my_ST_ISR           PROC
10                        LDR         R5,=PB_OUT
11                        STR         R9,[R5]      ;Write values in IN1-4
12                        CMP         R10,#0x02    ;Deciding which rotation
13                        BEQ         cCW
14                        CMP         R10,#0x01
15                        BEQ         cW
16                        BX          LR
17
18    cW                  LSR         R9,#1        ;Out1-4 changing as desired in manual
19                        CMP         R9,#0x00     ;Checking boundaries
20                        MOVEQ       R9,#0x08
21                        BX          LR
22
23    cCW                 LSL         R9,#1        ;Out1-4 changing as desired in manual
24                        CMP         R9,#0x10     ;Checking boundaries
25                        MOVEQ       R9,#0x01
26                        BX          LR
27
28                        ALIGN
29                        ENDP
30                        END
```