```
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
```