LEDs.s43

```
 1  #include "msp430g2553.h"  // #include <msp430.h> - can be used as well
 2
 3  ;The code Blinks the LEDs array from P1 or P2 (infinite loop)
 4  ;---------------------------------------------------------------
 5          ORG     0C000h                  ; Program Reset
 6  ;---------------------------------------------------------------
 7  RESET   mov.w   #03FFh,SP               ; Initialize stackpointer
 8  StopWDT mov.w   #WDTPW+WDTHOLD,&WDTCTL  ; Stop WDT
 9  SetupP1 bis.b   #0xFF,&P1DIR            ; P1 output
10          mov.b   #0x00,&P1OUT
11  SetupP2 bis.b   #0xFF,&P2DIR            ; P2 output
12          bic.b   #0xC0,&P2SEL            ; only for "msp430g2553"
13                                          ;for P2.6,P2.7 to be GPIO
14          mov.b   #0x00,&P2OUT
15                                          ;
16  Mainloop xor.b  #0xFF,&P1OUT            ; Toggle P1
17          xor.b   #0xFF,&P2OUT            ; Toggle P2
18  Wait    mov.w   #0xFFFF,R15             ; Delay to R15
19  L1      dec.w   R15                     ; Decrement R15
20          jnz     L1                      ; Delay over?
21          jmp     Mainloop                ; Again
22                                          ;
23  ;---------------------------------------------------------------
24  ;          Interrupt Vectors
25  ;---------------------------------------------------------------
26          ORG     0FFFEh                  ; MSP430 RESET Vector
27          DW      RESET                   ;
28          END
```

Difference No.1

Difference No.2

Difference No.3