

```
list p=16F84A ; Controller type
#include <p16F84A.inc> ; inc file from Microchip
```

```
BSF STATUS, RP0
MOVLW 0x03
MOVWF TRISB
MOVLW 0x00
MOVWF TRISA
BCF STATUS, RP0
```

```
clrf PORTA
var_a equ 0x0c
```

```
BTFSC PORTB,0
movlw 0x01
NOP
```

```
BTFSC PORTB,1
ADDLW 1
NOP
movwf var_a
```

```
BTFSC var_a,1
goto init_porta
goto sfarsit
```

```
init_porta
movlw 0x01
movwf PORTA
```

```
sfarsit
end
```