

```
clear
define osc4
```

```
cmcon0=7
ansel=0
adcon0 = 0
```

```
@ device mclr_off
@ device wdt_off
@ device bod_off
@ device cpd_off
@ device protect_off
```

```
led var byte
ledstates var byte
trisstate var byte
delay var word
noghost var byte
gpnoghost var byte
```

```
noghost= %111111
delay= 1500
```

```
starthere
gpio.3 = 0
if gpio.3 = 1 then
    goto main
endif
```

```
goto starthere
```

```
main:
    for led = 1 to 6
        select case led
            case 0 : ledstates =%001 : trisstate =%100
            case 1 : ledstates =%010 : trisstate =%100
            case 2 : ledstates =%001 : trisstate =%010
            case 3 : ledstates =%100 : trisstate =%010
            case 4 : ledstates =%100 : trisstate =%010
            case 5 : ledstates =%010 : trisstate =%001
            case 6 : ledstates =%100 : trisstate =%001

            end select
            trisio = noghost
            gpio = ( gpio & %111000) | ledstates
            trisio = (trisio & %111000) | trisstate
            pause delay
        next led
```

```
for led = 1 to 5
    select case led
        case 1 : ledstates =%000001: trisstate =%101110
        case 2 : ledstates =%011000: trisstate =%101110
        case 3 : ledstates =%000010: trisstate =%101101
```

```
        case 4 : ledstates =%010000: trisstate =%101101
        case 5 : ledstates =%000010: trisstate =%011101
    end select
    trisio = noghost
    gpio = ( gpio & %111000) | ledstates
    trisio = (trisio & %111000) | trisstate
    pause delay
    next led

    trisio=noghost
    gpio=gpnoghost
    goto starthere

end
```