ALG_LED,RELAY & BUZZER

SW0 → P0.15
SW1 → P0.16
Relay → P1.17
Buzzer → P0.8
LEDs → P0.0 to P0.7

SW0 ⇒ ON
P1.17 & P0.8 ⇒ HIGH
P0.0 to P0.7 ⇒ HIGH
LED Chasing → (right to left)

SW1 ⇒ ON
P1.17 & P0.8 ⇒ LOW
P0.0 to P0.7 ⇒ LOW
LED Chasing → (left to right)

```
#include<LPC214x.h>

int delay(unsigned int time){
    unsigned int i,j;
    for(i=0;i<time;i++){
        for(j=0;j<1275;j++){
        }
    }
}

int main(){
    unsigned int k,l,val;
    PINSEL0 = 0x00000000;
    PINSEL1 = 0x00000000;
    PINSEL2 = 0x00000000;
    IODIR0 = 0x000001FF;
    IODIR1 = 0x00020000;
    while(1){
    if(!(IOPIN0 & (1<<15)) val=1;
    if(!(IOPIN0 & (1<<16)) val=2;
        if(val==1){//SW0 ON
            IOSET0 = 0x00000100;
            IOSET1 = 0x00020000;
            for(k=0;k<8;k++){
```

```c
            IOSET0 = 1<<k;
            delay(1000);
            IOCLR0 = 1<<k;
            delay(1000);
        }
    }
    if(val==2){//SW1 ON
        IOCLR0 = 0x00000100;
        IOCLR1 = 0x00020000;
        for(l=0;l<8;l++){
            IOSET0 = 8>>l;
            delay(1000);
            IOCLR0 = 8>>l;
            delay(1000);
        }
    }
  }
}
```