int BUTTON1 = 2;

int BUTTON2 =4;

int LED1 =8;

int LED2 =12;

int BUTTONstate1 = 0;

int BUTTONstate2 =0;

void setup()

{

pinMode(BUTTON1,INPUT);

pinMode(BUTTON2,INPUT);

pinMode(LED1,OUTPUT);

pinMode(LED2,OUTPUT);

}

void loop()

{

BUTTONstate1 = digitalRead(BUTTON1);

if(BUTTONstate1 == HIGH || BUTTONstate2==HIGH)

{

if(BUTTONstate2==LOW|| BUTTONstate1== LOW )

digitalWrite(LED1, HIGH);

}

else

{

digitalWrite(LED1, LOW);

}

BUTTONstate2 = digitalRead(BUTTON2);

if(BUTTONstate1 == HIGH && BUTTONstate2==HIGH)

{

digitalWrite(LED1, LOW);

digitalWrite(LED2,HIGH);

}

else

{

digitalWrite(LED2,LOW);

}

}