

```
void setup() {  
  
pinMode(1, INPUT);  
  
pinMode(2, INPUT);  
  
pinMode(3, INPUT);  
  
pinMode(4, INPUT);  
  
pinMode(5, INPUT);  
  
pinMode(6, INPUT);  
  
pinMode(7, INPUT);  
  
pinMode(8, OUTPUT);  
  
pinMode(9, OUTPUT);  
  
pinMode(10, OUTPUT);  
  
pinMode(11, OUTPUT);  
  
pinMode(12, INPUT);  
  
pinMode(13, OUTPUT);  
  
}
```

```
void loop()

{
if (1 == HIGH)
{
digitalWrite(11, HIGH);

} else
{
digitalWrite(13, HIGH);
delay(1);
digitalWrite(13, LOW);
}

if (2 == HIGH)
{
digitalWrite(11, LOW);

} else
{
digitalWrite(13, HIGH);
delay(1);
digitalWrite(13, LOW);
}

if (12 == HIGH && 3 == HIGH)
{
digitalWrite(8, HIGH);
```

```
digitalWrite(10, LOW);
digitalWrite(9, LOW);

} else
{
digitalWrite(13, HIGH);
delay(1);
digitalWrite(13, LOW);
}

if (12 == HIGH && 4 == HIGH)
{
digitalWrite(10, HIGH);
digitalWrite(8, LOW);
digitalWrite(9, LOW);

} else
{
digitalWrite(13, HIGH);
delay(1);
digitalWrite(13, LOW);
}

if (12 == HIGH && 5 == HIGH)
{
digitalWrite(10, HIGH);
digitalWrite(8, LOW);
digitalWrite(9, LOW);
```

```
}    else
{
digitalWrite(13, HIGH);
delay(1);
digitalWrite(13, LOW);

}

if (12 == LOW && 6 == HIGH)
{
digitalWrite(8, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, HIGH);

}    else
{
digitalWrite(13, HIGH);
delay(1);
digitalWrite(13, LOW);
}

if (12 == LOW && 7 == HIGH)
{
digitalWrite(8, LOW);
digitalWrite(10, HIGH);
digitalWrite(9, LOW);

}    else
```

```
{  
digitalWrite(13, HIGH);  
delay(1);  
digitalWrite(13, LOW);  
}  
  
}
```