

Source code:

```
#include <NewPing.h>

#define MIN 0

#define MAX 45

int trigPin1 = 8; //

int echoPin1 = 9;

int dist1 = 0;

int trigPin2 = 10; //

int echoPin2 = 11;

int dist2 = 0;

int distance = 80;

NewPing sonar1(trigPin1, echoPin1, distance);

NewPing sonar2(trigPin2, echoPin2, distance);

void oldinga() {

    digitalWrite(2, HIGH);

    digitalWrite(3, LOW);

    digitalWrite(4, HIGH);

    digitalWrite(6, LOW);

}
```

```
void chapga() {  
  
    digitalWrite(2, LOW);  
  
    digitalWrite(3, HIGH);  
  
    digitalWrite(4, HIGH);  
  
    digitalWrite(6, LOW);  
  
}  
  
void setup() {  
  
    Serial.begin(9600);  
  
    pinMode(2, OUTPUT);  
  
    pinMode(3, OUTPUT);  
  
    pinMode(4, OUTPUT);  
  
    pinMode(5, OUTPUT);  
  
    pinMode(6, OUTPUT);  
  
    analogWrite(5, 255);  
  
    delay(5000);  
  
}  
  
int Tic = 0;  
  
void loop() {  
  
    dist1 = sonar1.ping_cm();  
  
    dist2 = sonar2.ping_cm();
```

```
if (dist1 > MIN && dist1 < MAX || dist2 > MIN && dist2 < MAX) {  
  
    oldinga();  
  
    delay(300);  
  
} else {  
  
    chapga();  
  
    delay(100);  
  
}  
  
//Serial.print(dist1), Serial.print(" ");  
  
//Serial.print(dist2), Serial.println(" ");  
  
delay(1);  
  
}
```