

```
1 // MotorsLib.cpp
2
3 #include "Arduino.h"
4 #include "MotorsLib.h"
5
6 MotorsLib::MotorsLib() {
7
8 }
9
10 MotorsLib::MotorsLib(int m_enable12, int m_enable34) {
11     enable12 = m_enable12;
12     enable34 = m_enable34;
13 }
14
15 MotorsLib::MotorsLib(int m_enable12, int m_enable34, int m_input1, int m_input2, int
m_input3, int m_input4) {
16     enable12 = m_enable12;
17     enable34 = m_enable34;
18     input1 = m_input1;
19     input2 = m_input2;
20     input3 = m_input3;
21     input4 = m_input4;
22 }
23
24 void MotorsLib::PararMotores() {
25     digitalWrite(enable12, LOW);
26     digitalWrite(enable34, LOW);
27 }
28
29 void MotorsLib::IrAdelante() {
30     digitalWrite(enable12, HIGH);
31     digitalWrite(enable34, HIGH);
32     digitalWrite(input1, HIGH);
33     digitalWrite(input2, LOW);
34     digitalWrite(input3, HIGH);
35     digitalWrite(input4, LOW);
36 }
37
38 void MotorsLib::IrAtras() {
39     digitalWrite(enable12, HIGH);
40     digitalWrite(enable34, HIGH);
41     digitalWrite(input1, LOW);
42     digitalWrite(input2, HIGH);
43     digitalWrite(input3, LOW);
44     digitalWrite(input4, HIGH);
45 }
46
47 void MotorsLib::GirarDerecha() {
48     digitalWrite(enable12, HIGH);
49     digitalWrite(enable34, HIGH);
50     digitalWrite(input1, HIGH);
51     digitalWrite(input2, LOW);
52     digitalWrite(input3, LOW);
53     digitalWrite(input4, HIGH);
54 }
55
56 void MotorsLib::GirarIzquierda() {
57     digitalWrite(enable12, HIGH);
58     digitalWrite(enable34, HIGH);
59     digitalWrite(input1, LOW);
60     digitalWrite(input2, HIGH);
61     digitalWrite(input3, HIGH);
62     digitalWrite(input4, LOW);
63 }
```