


```
#pragma region ALL SUBROUTINES: FORWARD(); -> BACKWARD(); -> LEFT(); ->  
RIGHT(); -> STOP(); -> PRINTDATA();
```

```
void forward() { //Set all motors to go forward.
```

```
    digitalWrite(in1A, HIGH);  
    digitalWrite(in2A, LOW);  
  
    digitalWrite(in1B, LOW);  
    digitalWrite(in2B, HIGH);  
  
    digitalWrite(in1A_2, LOW);  
    digitalWrite(in2A_2, HIGH);  
  
    digitalWrite(in1B_2, HIGH);  
    digitalWrite(in2B_2, LOW);
```

```
}
```

```
void backward() { //Set all motors to go backwards.
```

```
    digitalWrite(in1A, LOW);  
    digitalWrite(in2A, HIGH);  
  
    digitalWrite(in1B, HIGH);  
    digitalWrite(in2B, LOW);  
  
    digitalWrite(in1A_2, HIGH);  
    digitalWrite(in2A_2, LOW);  
  
    digitalWrite(in1B_2, LOW);  
    digitalWrite(in2B_2, HIGH);
```

```
}
```

```
void left() { //Set a row of motors to go left while the motor moves  
backwards, ensuring a smooth left turn.
```

```
    digitalWrite(in1B, LOW);  
    digitalWrite(in2B, HIGH);  
  
    digitalWrite(in1A_2, LOW);  
    digitalWrite(in2A_2, HIGH);  
  
    digitalWrite(in1A, LOW);  
    digitalWrite(in2A, HIGH);  
  
    digitalWrite(in1B_2, LOW);  
    digitalWrite(in2B_2, HIGH);
```

```
}
```

```
void right() { //Set a row of motors to go right while the motor moves  
backwards, ensuring a smooth right turn.
```


