

### LineFollower

RemoteMotor motorleft RemoteMotor motorright TachoPilot pilot

int power

int speed

LightSensor lightleft

LightSensor lightright

LightSensor lightproduct

UltrasonicSensor ultrasonic

int colorwhite

int coorblack

VoiceManager vm

Navegar navegar

void LineFollower (LightSensor,Producto[], VoiceManager

void wait (int)

void stop ()

void calibrate()

void follow\_line ()

void avoid\_obstacle()

coid check\_product()

# Robot

void main (String [])

# **Product**

int product\_ID
int color
String name

LightSensor lightproduct

void Product (int, String, LightSensor, Color)

int set\_color ()

int get\_color()

int get\_product\_ID()

void generate\_path()

### **Navigate**

VoiceManager vm LightSensor lightproduct

Producto products []

void Navegar (LightSensor,Producto[], VoiceManager)

int get\_position ()
int ask\_product()

void generate\_path()

#### VoiceManager

Tts tts Sphnix4 sp4

void VoiceManager () String listen ()

void say (String)

# Sphnix4

ConfigurationManager cm Recognizer recognizer void Sphnix4 () String listen () **Tts**Synthesizer synthesizer
Recognizer recognizer

void Tts ()

void say (String)

















