```python
1   from machine import Pin, PWM
2
3   class DRV8833:
4
5       def __init__(self, pinA, pinB, frequency=10000):
6           '''Instantiate controller for one motor.
7           pinA: pin connected to AIN1 or BIN1
8           pinB: pin connected to AIN2 or BIN2
9           frequency: pwm frequency
10          '''
11          self.pin1 = PWM(Pin(pinA), freq=frequency, timer=2)
12          self.pin2 = PWM(Pin(pinB), freq=frequency, timer=3)
13
14      def set_speed(self, value):
15          if value > 100:
16              value = 100
17          elif value < -100:
18              value = -100
19          '''value: -100 ... 100 sets speed (duty cycle) and direction'''
20          if value > 0:
21              self.pin1.duty(100)
22              self.pin2.duty(100 - value)
23          elif value < 0:
24              self.pin1.duty(100 - (-1 * value))
25              self.pin2.duty(100)
26          else:
27              self.pin1.duty(value)
28              self.pin2.duty(value)
```