```python
import os
import time
os.system('modprobe w1-gpio')
os.system('modprobe w1-therm')
temp_sensor = "/sys/bus/w1/devices/22-00000057144f/w1_slave"
def temp_raw():
    f = open(temp_sensor, 'r')
    lines = f.readlines()
    f.close()
    return lines
def read_temp():
    lines = temp_raw()
    while lines[0].strip()[-3:] != 'YES':
        time.sleep(0.2)
        lines = temp_raw()
    temp_output = lines[1].find('t=')
    if temp_output != -1:
        temp_string = lines[1].strip()[temp_output+2:]
        temp_c = float(temp_string) / 1000.0
```

Shell

```
>>> %Run lampoanturi.py

  (21.937, 71.48660000000001)
  (21.937, 71.48660000000001)
  (21.937, 71.48660000000001)
  (21.937, 71.48660000000001)
  (21.937, 71.48660000000001)
  (21.937, 71.48660000000001)
  (22.0, 71.6)
```

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```

Shell

```
  (22.0, 71.6)
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```

lampoanturi.py ✖

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```

Shell

```
(22.0, 71.6)
(21.937, 71.48660000000001)
(22.0, 71.6)
(22.0, 71.6)
(22.625, 72.725)
(24.937, 76.8866)
(26.187, 79.1366)
(26.937, 80.48660000000001)
(27.375, 81.275)
(27.75, 81.95)
```