Get Voltage from Arduino

Display the temperature, temperature in 5 minutes

Turn Yellow LED on

Turn Green LED on

No

Yes

Is Rate of temperature less than -4°C/min?

No

Yes

Turn Red LED on

Is Rate of temperature greater than 4°C/min?

Convert Rate of change in temperature to °C/min

Calculate temperature in 5 minutes.

Calculate rate of change in temperature in °C/s

Calculate temperature.