Neither  Nor within comfort range

Initialize variables and LED pins, and create a plot figure. Set The predicted temperature is the current temperature plus \*300s

N

Y

Remain in the current state

Turn on the GREEN LED, turn off the other LEDs, and then keep it constant.

Turn on the YELLOW LED, turn off the other LEDs, and then keep it constant.

Y

Turn on RED LED (constant) Turn off other LEDs and constant

?

Y

N

N