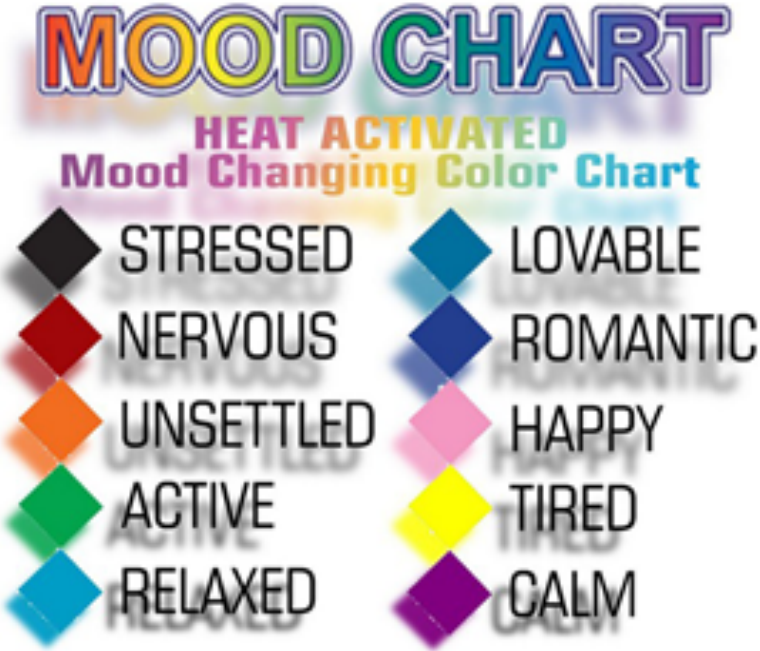**Directions**: Use the Hub and other simulations to find the RGB values that make the colors of the Mood Ring. Fill the values into the chart and the code.

MOOD CHART
HEAT ACTIVATED
Mood Changing Color Chart

STRESSED   LOVABLE
NERVOUS   ROMANTIC
UNSETTLED   HAPPY
ACTIVE   TIRED
RELAXED   CALM

Color	RGB Values
Black	0 0 0
Red	
Orange	
Green	
Turquoise	
Cyan	
Blue	
Pink	
Yellow	
Purple	

Directions: Use colored pencils that match the mood color to draw in the inequalities used in the code above.


```
If T<24
Then
Send "SET COLOR 0 0 0"
Output(5,1,"YOU ARE STRESSED ")
End

If 24≤T and T<25
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE NERVOUS   ")
End

If 25≤T and T<26
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE UNSETTLED")
End

If 26≤T and T<27
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE ACTIVE   ")
End

If 27<=T and T<28
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE RELAXED  ")
End

If 28≤T and T<29
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE LOVEABLE ")
End

If 29≤T and T<30
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE ROMANTIC ")
End

If 30≤T and T<31
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE HAPPY    ")
End

If 31≤T and T<32
Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE TIRED    ")
End

If T≥32 Then
Send("SET COLOR _ _ _")
Output(5,1,"YOU ARE CALM     ")
End
```