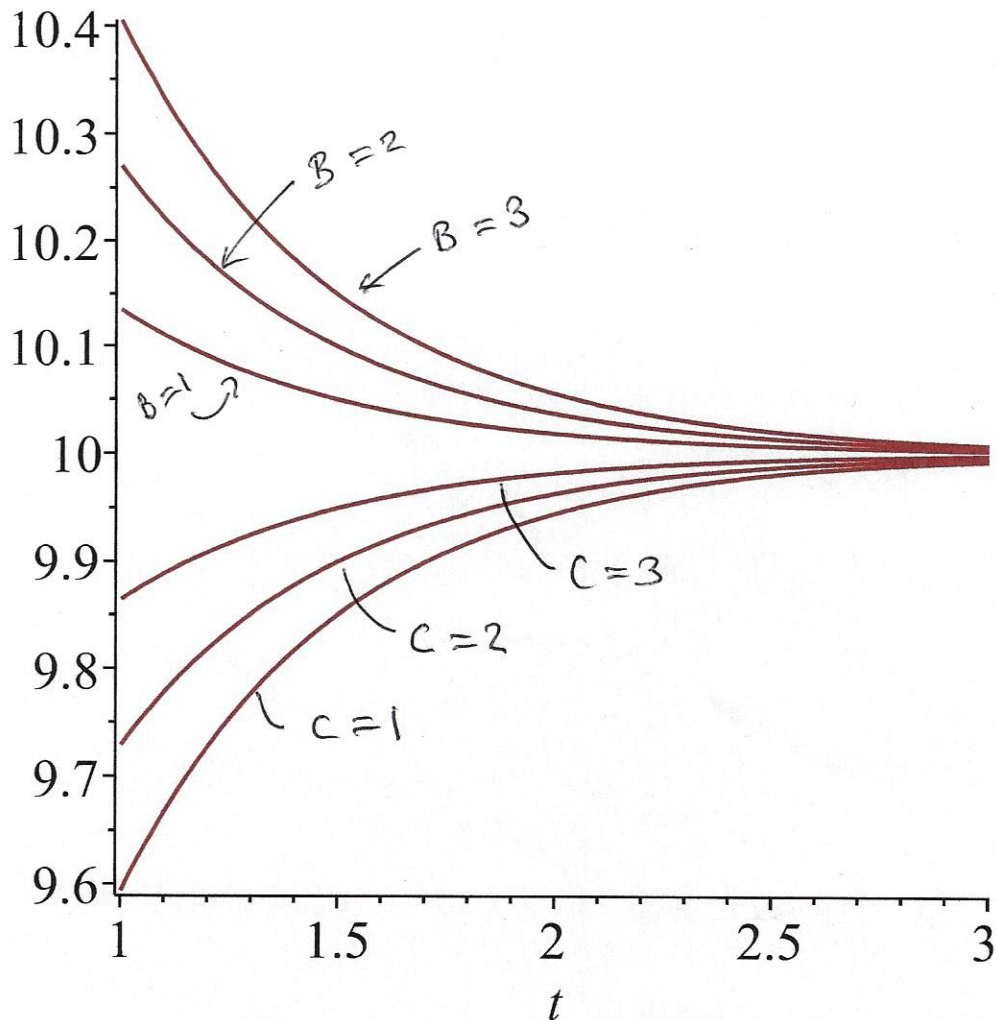


```

with(plots) :
H1 := t → 10 - exp(-2 t) : P1 := plot(H1(t), t=1.0..3.) :
H2 := t → 10 - 2·exp(-2 t) : P2 := plot(H2(t), t=1.0..3.) :
H3 := t → 10 - 3·exp(-2 t) : P3 := plot(H3(t), t=1.0..3.) :
C1 := t → 10 + exp(-2 t) : P4 := plot(C1(t), t=1.0..3.) :
C2 := t → 10 + 2·exp(-2 t) : P5 := plot(C2(t), t=1.0..3.) :
C3 := t → 10 + 3·exp(-2 t) : P6 := plot(C3(t), t=1.0..3.) :
display([P1, P2, P3, P4, P5, P6]);

```



Heating: $H_C(t) = 10 - C e^{-2t}$

Cooling: $C_B(t) = 10 + B e^{-2t}$