









1	 $R = 25$
2	 $C = 750 \cdot 10^{-6}$ $= 0.00075$
3	 $V_0 = 450$
4	 $C_t = 28.5$
5	$\tau = R \cdot C$
6	 $V(t) = V_0 \cdot e^{-\frac{t}{\tau}}$
7	 $I(t) = V(t)/R$
8	 $P(t) = I(t)^2 \cdot R$
9	 $T(t) = 30 + \int_0^t (P(x)/C_t) dx$
10	

