4.2. pV = 109-1.1 is the equation of state for a constant of account of a constant of	
Sunction of Tanila	
Thermal capacity bery constant =7 Energy = CVT . $\boxed{E = 0.1 T cal.}$	
For the entropy, we apply	
$S = \int \frac{dQ}{T} \qquad dQ = dU + P dV,$ $= G dT + I S T^{I-1} dV.$ $V^{I \cdot 2} dV.$	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
setting the mital stak to have S=0,	
$5 = Cv \ln 7 + 109 70.1 v^{0.2}$	