Exercise 7-5 Saturday, 9 May 2020 14:45

ideal gas n=1 kmpl

s is a state vormable ; we calculate the change is by poing over a revenable is the mal path

All= TAS-PAI

for an ideal gas U = U(T) and because dT = qdu-

T dS = P dVdS = n R dV

 $\Delta S = nR h \left( \frac{V_F}{V_i} \right) - h(3) nR$ System  $= 0.314.10^{34}$ ,  $1.10^{34}$ ,  $1.10^{14}$ 

= 91344



