## PROJESU ADIABATIKOAK ADIERAZPENAK

EQ = LU - SW LEHENENGO PRINTEIPIOA OROKORPA

$$\delta q = crd\theta + pdV$$

$$\delta q = cpd\theta - Vdp$$
GAS IDEALAREN KASUAN

PROZESUA ADIABATIKOA DA : 5Q = 0

$$0 = CvdT + pdV$$
  $\}$   $pdV = -CvdT$   
 $0 = CpdT - Vdp$   $\}$   $Vdp = CpdT$ 

$$pdV = -C_V dT$$
  
 $Vdp = C_P dT$ 

$$\frac{P}{V} \cdot \frac{dV}{dp} = -\frac{Cr}{Cp}$$

$$\frac{1}{P} dp = -\frac{Cp}{Cr} \cdot \frac{1}{V} dV$$

GAS IDEALETAN 1 dp = - CP 1 dV PROZESU ADIABATIKOARI DAGOKION ADIERAZPEN DIFERENTZIALA

$$\mathcal{T} = \frac{G}{Gr}$$
 INDIRE ADIABATIKOA  $\begin{bmatrix} Y > 1 \\ Y > 1 \end{bmatrix}$   $G_P > Gr$ 

$$\frac{1}{P} dp = -Y \frac{1}{V} dV$$

PROZESU ADIABATIKOARI DAGOKION ADIERAZPENA

$${P,V} \Rightarrow PV' = K'$$

$${P,T} \Rightarrow TP'' = K''$$

$${T,V} \Rightarrow TV'' = K'''$$

