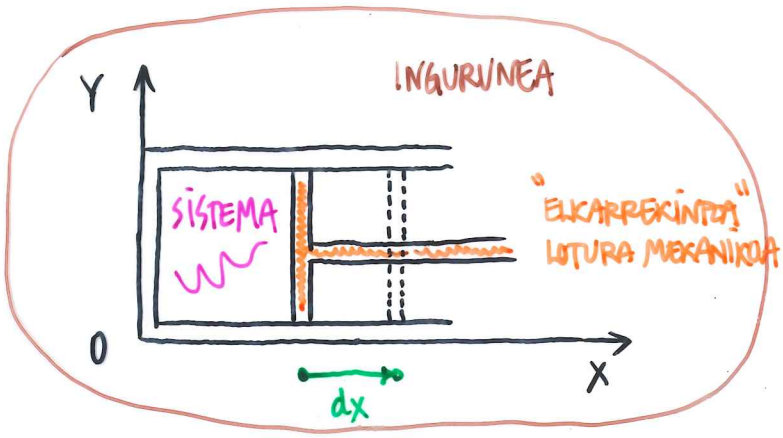
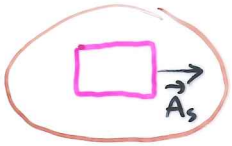
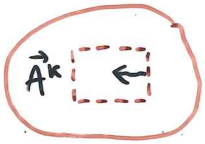
$$P = \frac{F}{A} \Rightarrow F = \frac{P}{A} A$$







$$F^k = P^k \cdot A \Rightarrow \vec{F}^k = P^k \vec{A}^k$$

$$\vec{F}^k + \vec{F}^s = \vec{0} \Rightarrow \boxed{\vec{F}^k = -\vec{F}^s}$$

MODULOARI DAGOKIONEZ BERDINAK DIRA

$$\delta W^k + \delta W^s = 0 \Rightarrow \boxed{\delta W^k = -\delta W^s}$$

$$dV^k + dV^s = 0 \Rightarrow \boxed{dV^k = -dV^s}$$

"SISTEMA OSOA" ISOLATURIK DAGO

SISTEMA OSOA = SISTEMA + INGURUNEA

$$\delta W^k = \vec{F}^k \cdot d\vec{x}^k = P^k \cdot \vec{A}^k \cdot d\vec{x}^k = -P^k A^k dx^k = -P^k \cdot V^k$$

$$\delta W^s = \vec{F}^s \cdot d\vec{x}^s = P^s \vec{A}^s \cdot dx^s = -P^s A^s \cdot dx^s = -P^s V^s$$

MOTA BEREKO SISTEMAK

$$\delta W^s = -P^s dV^s$$
$$(\delta W^s = -P^k dV^s)$$

$$\int \delta W^s = \int -P^s dV^s$$
$$(W^s = \int -P^k dV^s)$$

IBILBIDEA EZAGUTU BEHARRA DAGO