



Scansionato con CamScanner

T1 = T0 + DT = 283.11 K	$e V_1 = \frac{nRT_1}{P_1} = \frac{nRT_2}{P_0} = 0.1 m^3$
STATO 1	
f1= ρο	isoterma -o Tz = T1
	+ noto V2 = 0.3 m3
Tn = 283.11 K	MATA - 186 ×105 B
$V_1 = 0.1 \text{ m}^3$	$\Rightarrow \rho_2 = \frac{mRT_A}{V_2} = 19.6 \times 10^5 P_2$
STATO 2	trasformazione isobara
Pz=19.6 x105 Pa	Q1 = 150 J
TazTa	$\Delta U_1 = (n \cdot m_\mu) \cdot C_V \Delta T = 5515$
$V_2 = 0.3 \text{m}^3$	W = Q1 - DU1 = 199 5
the state of the s	rasformazione isoterma
	ΔΟι = Ο
	$Q_1 = W_2$
	$W_2 = nRT_z \ln \left(\frac{V_2}{V_0} \right) = 646 \text{ kS}$
Es. 6	
A) Isoterna de (Vo	,3Po) a (3V, Po)
→ W ₁	= $nRT ln\left(\frac{3V_0}{V_0}\right) = nRT ln(3)$
B) Isocora + Isobara	de (Vo, 3Po) -> (Vo, Po) -> (3Vo, Po)
isocord a	mon compie levono
solo isobara: Wz	= Po (3Vo - Vo) = 2 Po Vo = 2 n RT
ΔW = W2-W1=	mRT (2-lu3)

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