OUESTION 1 - SOLUTION:

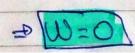
State L:	State 2:	M == 5,2 kg
P	P2	Mair = 5,2 kg Dair : 0,28+ WIKe. X
T,=25°d:298 L	T2:500 Y	0
V1=0,8 m3	V220,8m3	

A) from the gos perfect how for state I:

$$P_{2} \cdot V_{2} = w_{1} \cdot 2 \cdot 7_{1} \Rightarrow P_{1} \cdot 0.8 \left[w_{3}^{2} \right] = 5.2 \left[v_{8} \cdot 0.287 \left[v_{8} \cdot v_{1}^{2} \right] \cdot 298 \left[v_{1}^{2} \right] = 5.55, 92 \cdot \frac{v_{3}^{2}}{w_{3}^{2}} = \frac{5.2 \cdot 0.287 \cdot 298 \cdot 202}{0.8 \cdot 202} = 5.55, 92 \cdot \frac{v_{3}^{2}}{w_{3}^{2}} = \frac{5.55, 92}{0.8 \cdot 202} \cdot \frac{v_{3}^{2}}{w_{3}^{2}} = \frac{5.55, 92}{0.002} \cdot \frac{v_{3}^{2}}{w_{3}^{2}} = \frac{5$$

B) The 9deal gas equation for states 182 are written below

a) The work done in the process W= SP. du = P[V2-V2]



QUESTION 2 - SOURION:

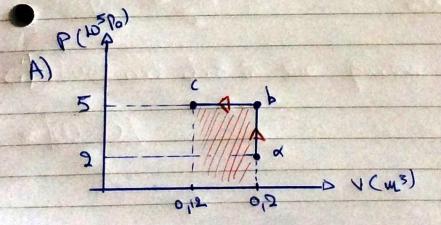
M= F-N No nous grinds × boptquobse bracese is given pt.

From the 9 deal gos how for shorte 1:

From equation (D)
$$W = \frac{P_2 \cdot V_2 - P_1 \cdot V_1}{1 - P_1} \Rightarrow W = \frac{W_1 P_1 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_1}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2} \Rightarrow W = \frac{W_1 P_2 T_2 - W_2 P_2}{1 - P_2$$

W=- 453, 85 KS

QUESTION 3 - SOLUZIONI



B) The work done during process ab: Usb=0 [Leadronic Process]

We work done during process bc: Wk: P.dV=P. [Vc-Vh.]=>

Wh: 5.10 [40]. [-0,08] us = [Wbc: -4.10]

Jotal West: Walt Who = - 4.20 5