



12 0 -329.6 329.6 23 -233.7 0 -233.7 31 233.) 233.7 0 $W_{12} = P_1 V_1 \ln \left(\frac{V_2}{V_1} \right) = 3 = 0.6$ $Q_{23} = h C_V \Delta T = \frac{3}{2} V_2 \left(P_3 - P_2 \right)$ = 233.7

W31 = MCV DT = = (P, V, -P3 V3)

1 1 1 14 C