Example 3.2

Result

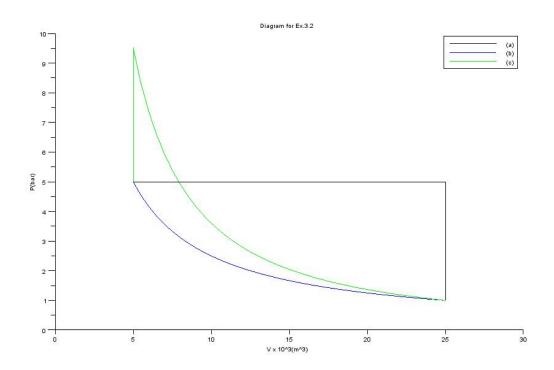


Figure 3.2 PV Diagram Process (a)

(a) Heating at constant volume Followed by cooling at constant Pressure work done by heating at const vol followed by const Pressure

```
9915.
J
Heat Transferred Q =
- 9915.
J
change in Internal Energy and enthalpy = 0
```

(b) Isothermal compression work done by Isothermal compression 3990. J Heat Transferred Q = - 3990. J change in Internal Energy and enthalpy = 0 (c) Adiabatic compression followed by cooling at constant Volume work done by Adiabatic compression Followed by Cooling at const Vol 5600. J Heat Transferred Q = - 5600. J change in Internal Energy and enthalpy = 0