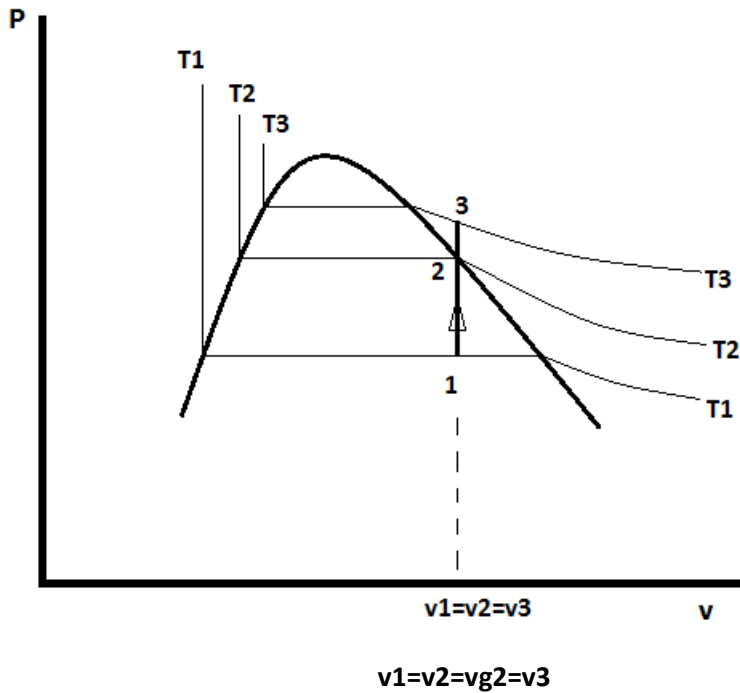


NON-FLOW PROCESSES

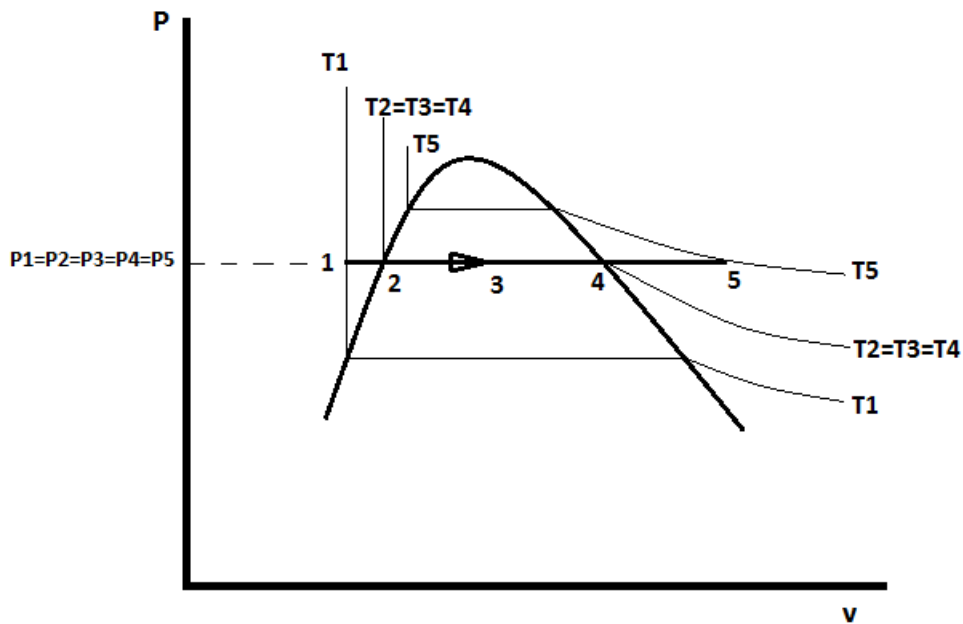
Working fluid: water

System: closed

1. Process: Reversible constant volume



2. Process: Reversible constant pressure



State 1: 101.3 KPa and 50°C liquid -- atm pressure is 101.3 KPa and liquid water temperature is 50°C

State 2: saturated liquid (boiling point 100°C)--- atm pressure=vapor pressure of water

Process: Reversible constant temperature (isothermal)

