Start

Take input for Temp; and Vmol

If Vmol equals b or C

True → Output Error

False

Calculate Init Pressure

Print Initial Values

If Pressi ≥ 1.2

True → Calculate NewTemp (P=1.2) and Temp change

False

If Pressi ≥ 1.1

False

True → Calculate NewTemp (P=1.1) and Temp Change

Print Temp Change

Stop

```
          ┌─────────┐
          │  Start  │
          └────┬────┘
               ↓
          ╱ Input     ╱
         ╱ θ₁ and n₁ ╱
               ↓
        ┌──────────────┐
        │  Calculate   │
        │  θ₂ and D₃   │
        └──────┬───────┘
               ↓
              ╱ ╲
             ╱ If ╲
    True    ╱       ╲
    ┌──────╱ n₁ > n₂ ╲
    │      ╲         ╱
    │       ╲       ╱
    │        ╲  ↓  ╱
    ↓         False
┌──────────┐    ↓
│Calculate │  ┌──────────┐
│θc using  │  │Calculate │
│n₂/n₁     │  │θc using  │
└────┬─────┘  │n₁/n₂     │
     │        └────┬─────┘
     │             ↓
     │      ╱ Output      ╱
     └─────╱ θ₂, d₃ and θc╱
               ↓
          ┌─────────┐
          │  Stop   │
          └─────────┘
```