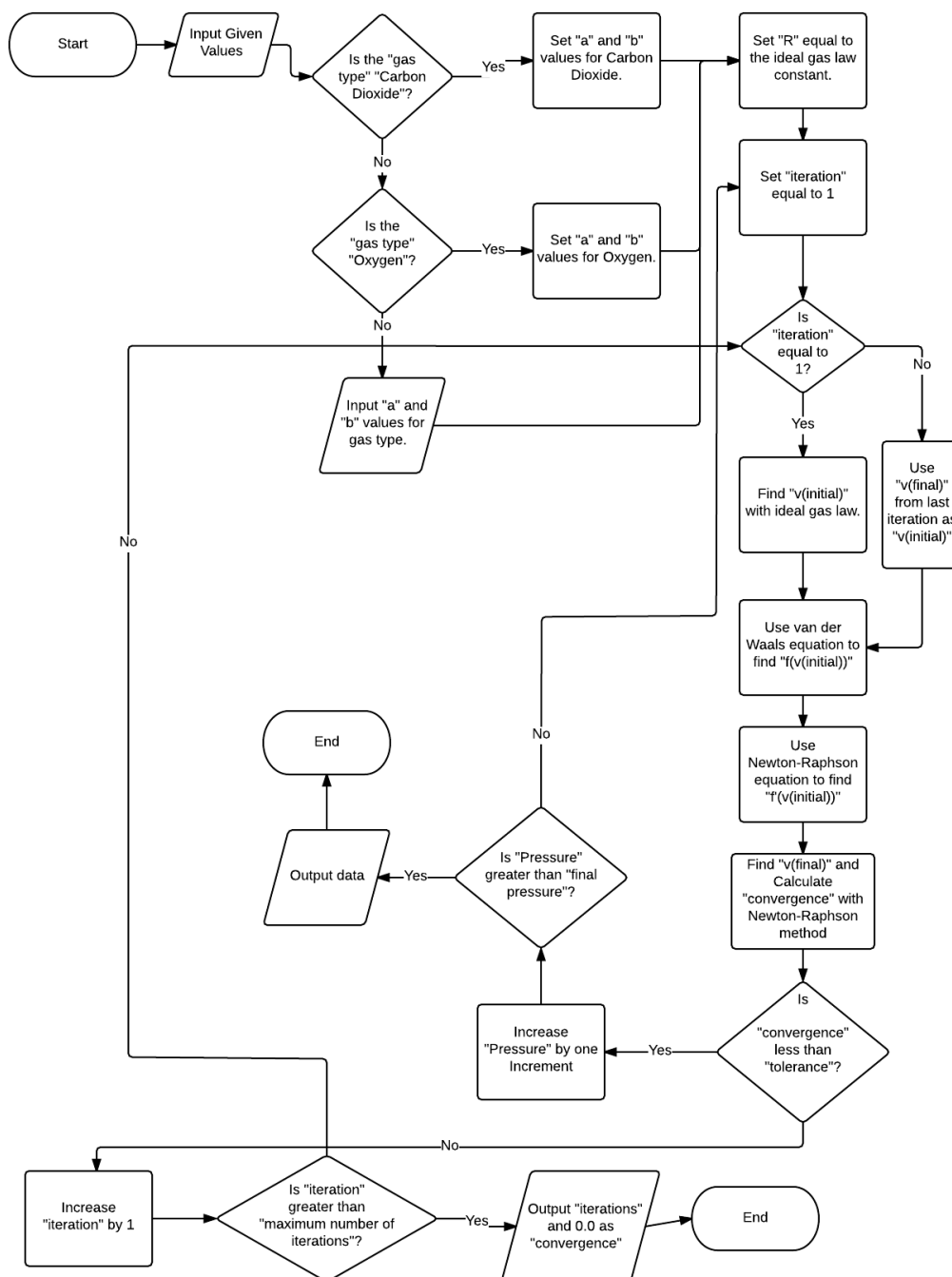
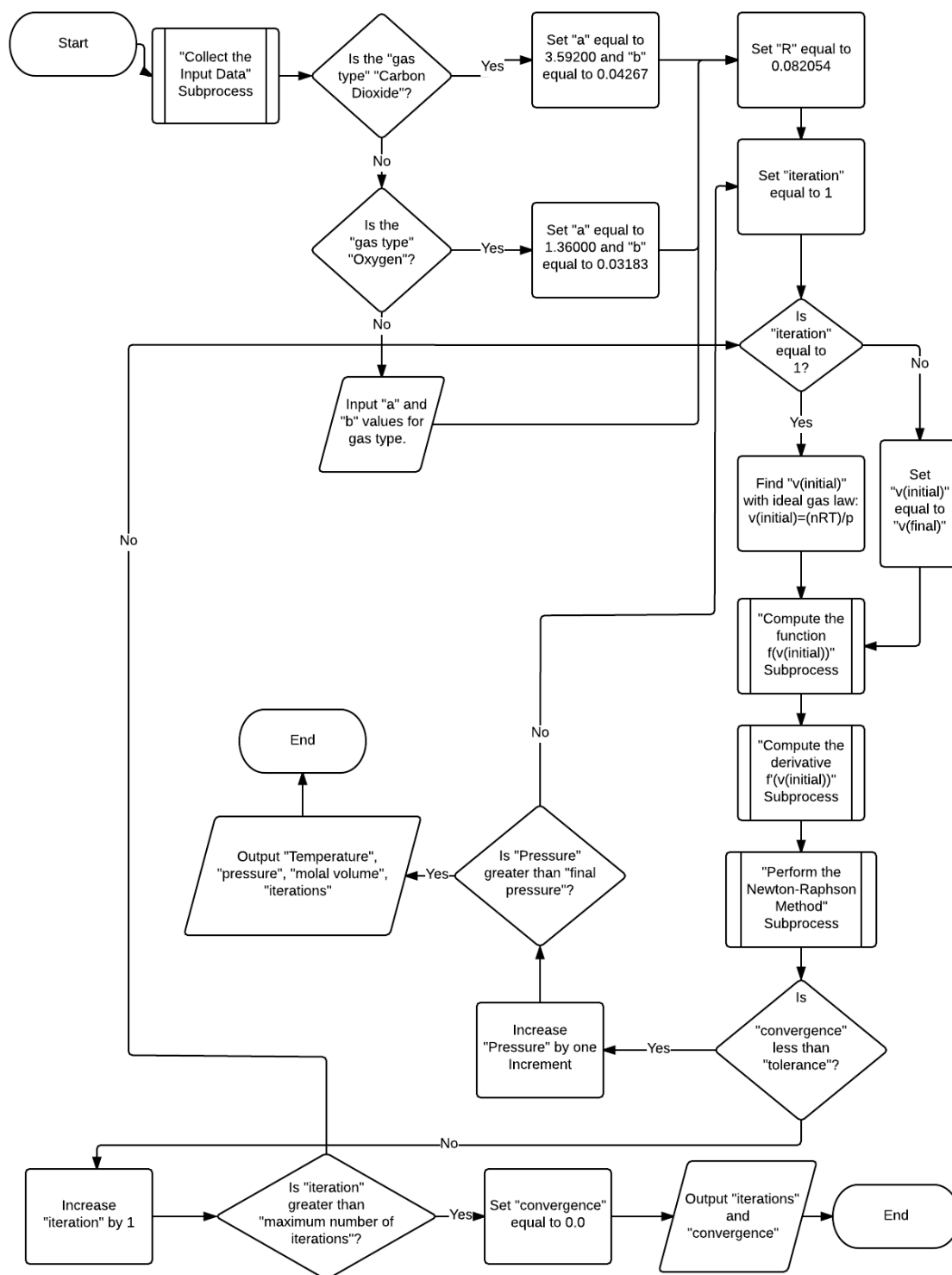


1. Create a flowchart to demonstrate how the molal volume of a gas changes with pressure at a constant temperature.
2. Low Detail Flowchart

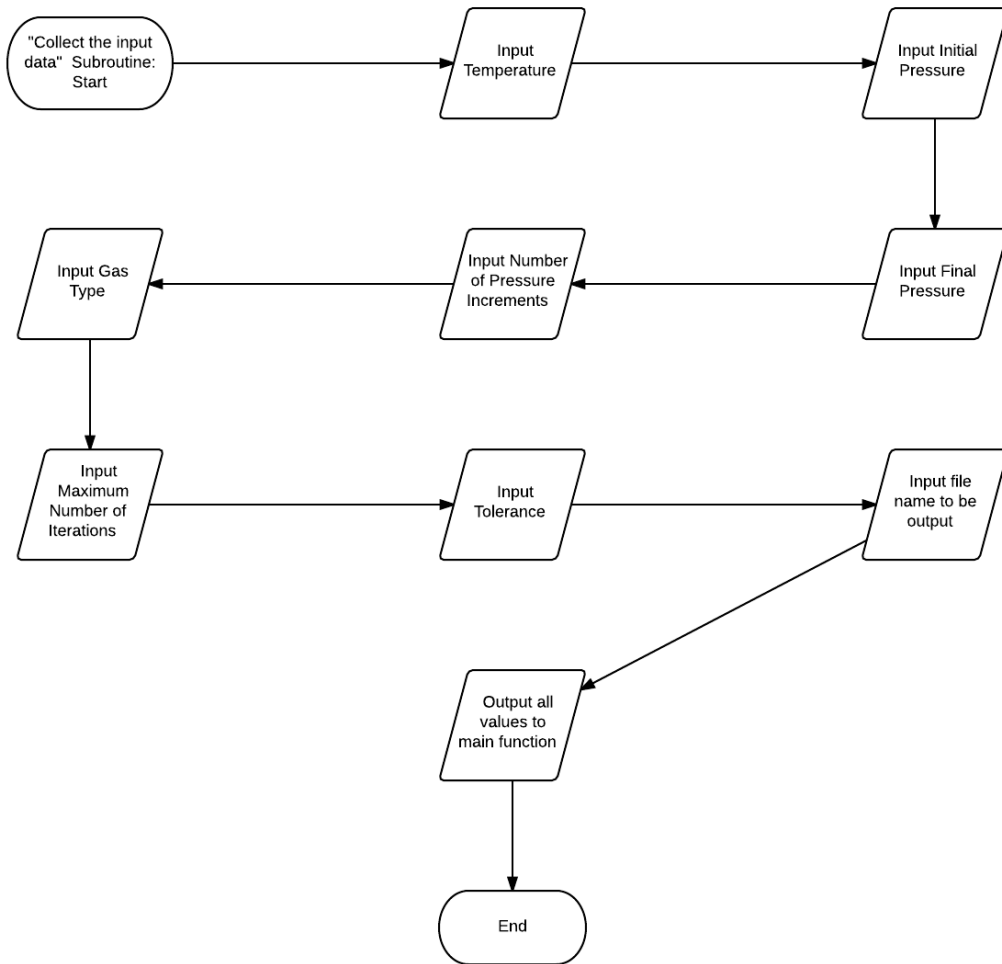


## 3. High Detail Flowchart

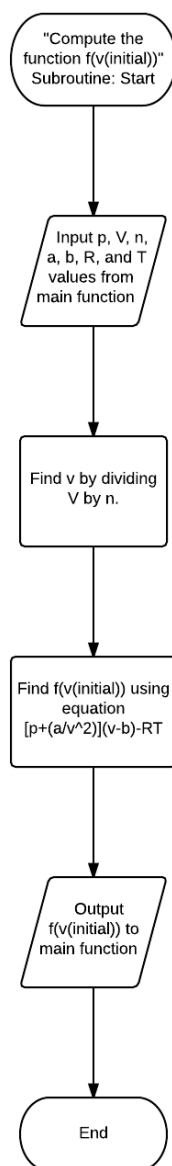


## 4. Sub-process Flowcharts

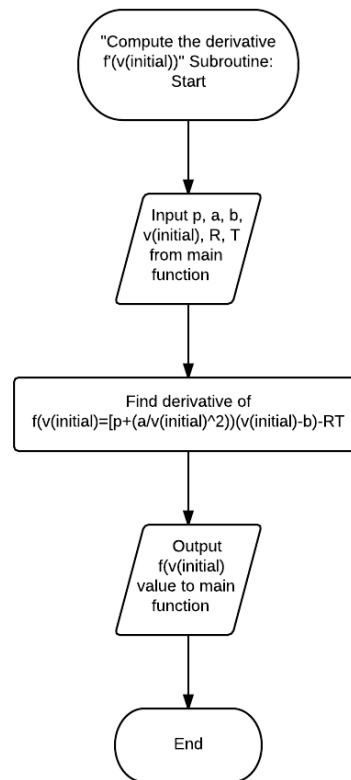
## a. Collect the Input Data



b. Compute the Function  $f(v(\text{initial}))$



c. Compute the derivative  $f'(v(\text{initial}))$



d. Perform the Newton-Raphson method (including the convergence check)

