## Example 3.4

## Result

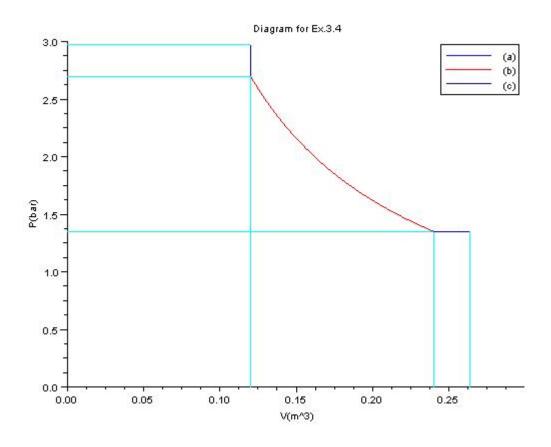


Figure 3.4 PV Diagram Nitrogen

```
(a)Immersed In ice/water bath
work done
3207.

J
Heat Transferred Q =
- 11229.
J
```

```
change in Internal Energy
- 562.
change in enthalpy
- 786.
J
(b)Isothermal Compression
work done by Isothermal Compression
 22487.
J
Heat Transferred Q =
- 22487.
J
change in Internal Energy
 0.
change in enthalpy
 0.
J
(c)Constant Vol Process
work done by Const Vol Process
 0.
J
```

```
Heat Transferred Q = 8014.

J
change in Internal Energy 561.

J
change in enthalpy 55.
```

J