|  |  |  |
| --- | --- | --- |
|  | **Part (1)** | **Part (2)** |
| ***T*, K** | **400** | **400** |
| ***P*, MPa** | **0.1** | **8.0** |
| ***T*r** |  |  |
| ***P*r** |  |  |
| ***Short-Cut Appropriate?*** |  |  |
| ***P*sat, MPa** |  |  |
| ***State of Matter*** |  |  |
| ***Virial EOS Appropriate?*** |  |  |
| ***f*sat, MPa** |  |  |
| ***PREOS f*sat, MPa** |  |  |
| ***f*, MPa** |  |  |
| ***PREOS f*, MPa** |  |  |
| ***Ideal Gas Approximation Good?*** |  |  |