

Energy Balance

Problem 1: Given a saturated liquid stream of 30 gmol/s propane and 70 gmol/s 1-butene at 10 bar

- Find the vapor fraction of this stream if it is *throttled* down to 2 bar.
- Find the heat load to vaporize 60% of the stream at 10 bar.

Solve the above problem using a spread-sheet as well as in CHEMCAD.