Table of Contents

Chapter 10

Problem 10.9

A mixture containing equimolar amounts of benzene(1), toluene(2), and ethyl-benzene(3) is flashed to conditions T and P. For one of the conditions following determine the equilibrium mole fractions x_i and $\{y_i\}$ of the liquid and vapor phases formed and the molar fraction V of the vapor formed. Assume that Raoult's law applies.

Solution:

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