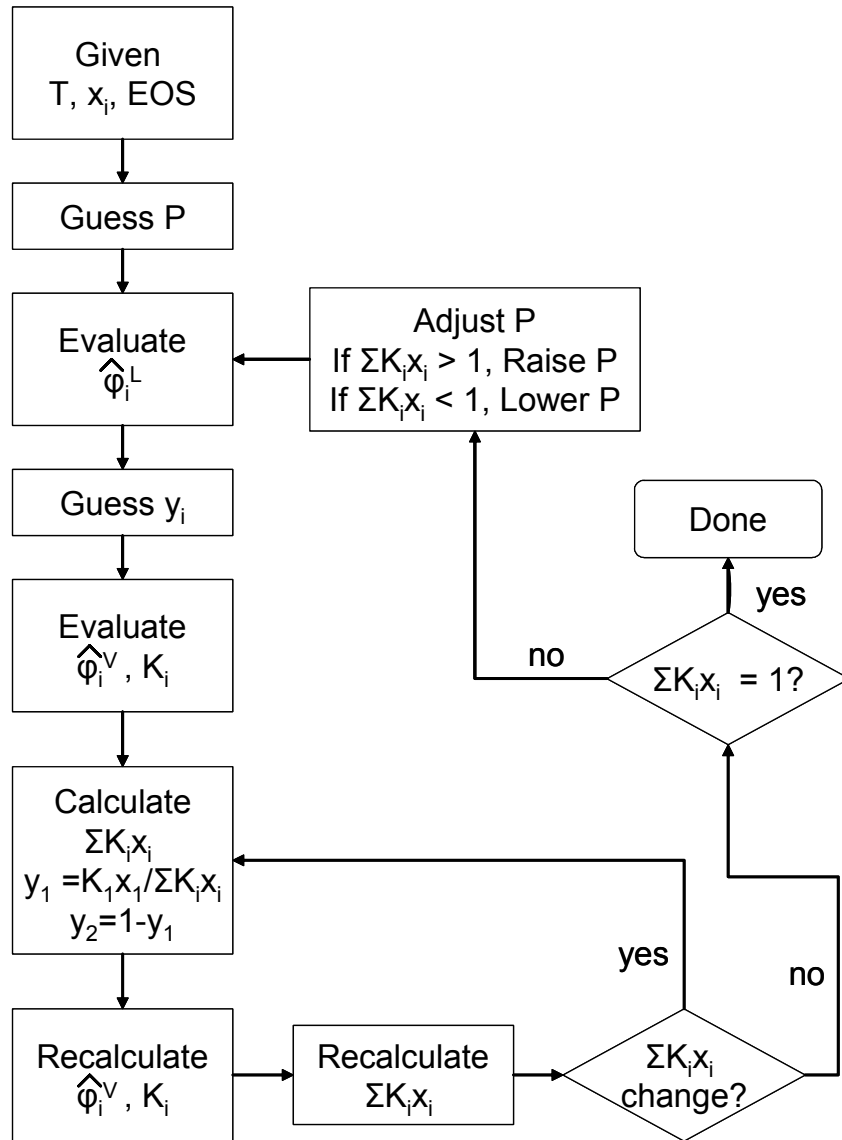


ME 3007
VLE Calculations from an Equation of State

Solution Flowchart:



Species Data for Example Problem:

	T_c (K)	T_r	ω	$\alpha(T_r)$	P_c (bar)	b_i	a_i
CH₄	190.6	1.6313	0.012	0.7425	45.99	29.853	1.7331×10^6
n-C₄H₁₀	425.1	0.7314	0.2	1.2411	37.96	80.667	17.458×10^6