变量：

Liquid leaving each tray: L ----------------- n

Vapor leaving each tray: V ----------------- n

Consentration of the liquid leaving each tray: x ------------- nc

Consentration of the vapor leaving each tray: y ------------- nc

The phase equilibruim constant for each tray(between x and y): k ------------nc

方程：

Mass balance for each tray: f(L,V,x,y)=0 ------------------- nc

Energy balance for each tray: f(L,V,x,y)=0 ----------------- n

Summation for consentrations(liquid phase and vapor phase): f(x)=0,f(y)=0 ----------- 2n

Equilibrium on each tray: f(x,y,k) ---------------- nc

Calculate k value (e.g. for 2 component: k(comp1)/k(comp2)=Constant): f(k)=0 ------ n(c-1)