Flash Calculation Example with Antoine							
Given		•	normal boiling pt		(z = mole fraction in feed)		
z_EtOH=	0.6		78.5			,	
z_EtCl=	0.4		13.1	С			
Ptot=	2	atm					
	1520	mm Hg					
Т	85.0 C		(Try 65 degrees later)				
	358.0	К					
Antoine Equation			A	В	С	Temp Rar	nge (C)
P*_EtOH=	985.1	mm Hg	8.1122	1592.86	4 226.184	19.6	93.4
P*_EtCl=		mm Hg	6.98647		7 238.612	-55.9	9 12.5
x_EtOH = (P_tot - P*_EtCl)/(P*_EtOH - P*_EtCl)							
xEtOH =	0.9	0.9 (from combination of two Raoult's Law exp					
xEtCl =		(by difference)					
	y_EtOH = x_EtOH * P*_EtOH / P_to						
yEtOH =			s Law for EtOF	H)			
yEtCl =	0.4164	(by difference	<u>e)</u>				
L =		(from mole ba	alance)				
V =	0.948						
mols EtOH, liq =		0.03					