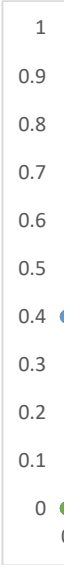


	Molar weight(gm)	
Acetone	58	
Water	18	

	Diagonal
x	y
0	0
1	1

	mass fraction	mole fraction
xD	0.98	0.93829787
xf	0.1	0.03333333
xw	0.000005	1.5517E-06

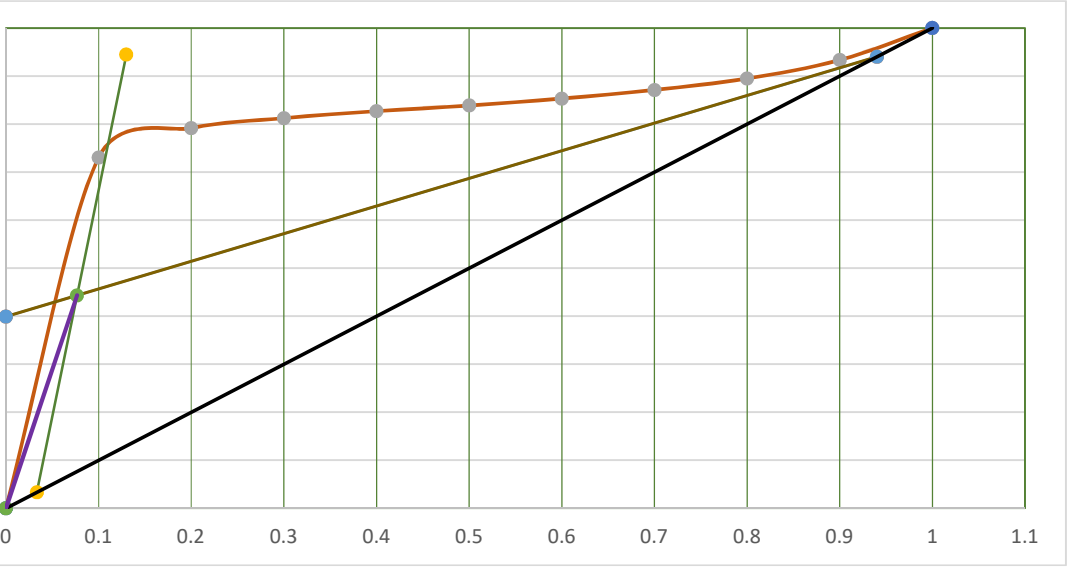
	FEED		EQUILIBRIUM CURVE	
T	20 °C		x	y
T	83 °C		0	0
Cp(Acetone)	128 J/mol °C		0.1	0.7301
Cp(Water)	75.3 J/mol °C		0.2	0.7916
Q <sub>latent</sub> (Acetone)	28,410 J/mol		0.3	0.8124
Q <sub>latent</sub> (Water)	41,360 J/mol		0.4	0.8269
Q <sub>latent</sub> (Feed)	40,928 J/mol		0.5	0.8387
Q <sub>specific</sub> (Feed)	77.056667 J/mol °C		0.6	0.8532
Q <sub>vaporize</sub> (Feed)	45,783 J/mol		0.7	0.8712
q	1.12		0.8	0.895
Slope of q-line	9.43		0.9	0.9335
			1	1



Rmin	0.45
R	1.35

Slope	Intercept	
0.574468085	0.39927569	
Top operating line(Rmin)		
x	y	
0.94	0.94	
0	0.39927569	

	q-line
x	y
0.033333333	0.033333333
0.13	0.94



Bottom Operating Line	
x	y
1.55E-06	1.55E-06
0.0768	0.4435

Top operating line(Real)	
x	y
0.94	0.94
0	0.39927569

b1	-0.28
m	0.575238627
b2	0.39927569