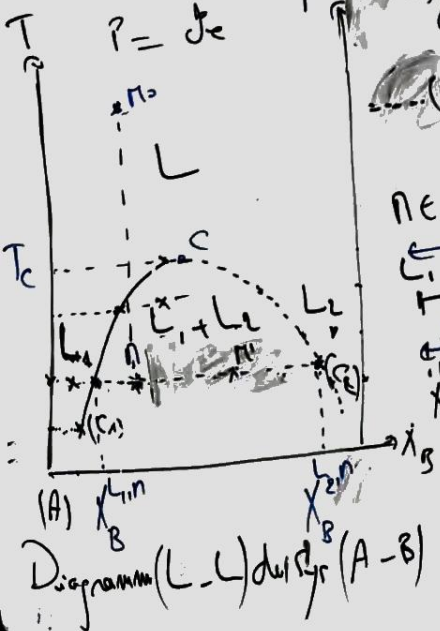


II - Miscibilité partielle en phase liquide :

$(A_{liq} + B_{liq})$ $\left\{ \begin{array}{l} L_1 : \text{liq. riche (A)} \\ L_2 : \text{liq. riche en (B)} \end{array} \right.$

$$W_B = \frac{x_B}{x_B + (1-x_B) \cdot \frac{n_A}{n_B}}$$



(C) : Courbe de saturation (miscibilité) de $(B)_{liq}$ dans $(A)_{liq}$

(C) : Courbe de saturation de $(A)_{liq}$ dans $(B)_{liq}$, $T_{cb}(A)$

$n \in (L_1 + L_2) : R.S.I$

L_1 $\xrightarrow{m}$ L_2
 $\xleftarrow{m}$
 x_B x_B x_B

$$\frac{m}{m} + \frac{m}{m} = m_0$$

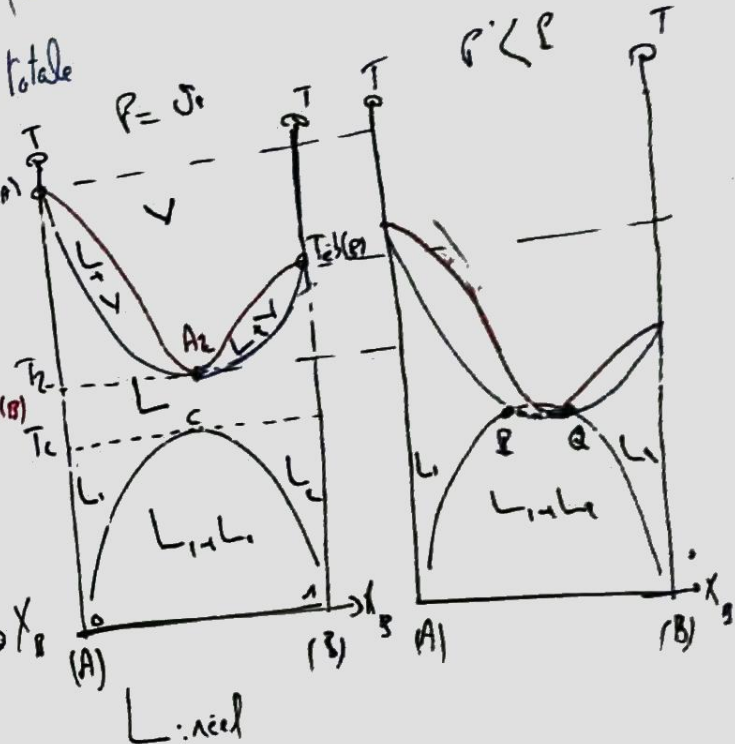
$$\frac{m}{m} = \frac{n_{L_1}}{L_1 n}$$

C : point critique
 T_c : on peut distinguer entre les deux phases (L_1 et L_2)

$(\text{à } T_c) T_c$: liq. de (L)
 T_c : miscibilité totale

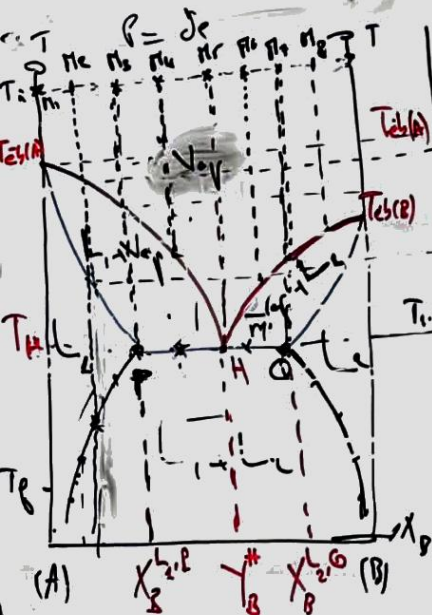


A_2 : point homogénéisateur
: point Azeotrope



II - Miscibilité partielle en phase liquide :

$(A_{liq} + B_{liq})$ $\left\{ \begin{array}{l} L_1: \text{lipido} \\ \text{riche (A)} \\ L_2: \text{lipido} \\ \text{riche en (B)} \end{array} \right.$



H: point hétéroazeotrope

P: (L_1) le plus riche en B

Q: (L_2) le plus riche (A)

à TH: $\exists P, Q$ $\left[\begin{array}{l} X_B^{L_1, P} < X_B^{L_2, Q} \\ X_B^{L_1, P} < X_B^{L_2, Q} \end{array} \right.$

$(L_1(P); L_2(Q))$; $V(H)$: $\varphi = 3$ $\left\{ \begin{array}{l} F = 1 \\ L = 0 \end{array} \right.$

$L_1(P) + L_2(Q) \xrightleftharpoons[T]{P} V(H)$: $P = P_A + P_B$

$L_1(P) + L_2(Q) \xrightleftharpoons[T]{P} V(H)$: $P = P_A + P_B$

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$L_1(P) + L_2(Q) \xrightleftharpoons[T]{P} V(H)$: $P = P_A + P_B$

$0 < X_B < 1$
 $F = 4 - \varphi$
 $L = 3 - \varphi$

$\varphi = 3$ $\left\{ \begin{array}{l} F = 1 \\ L = 0 \end{array} \right.$

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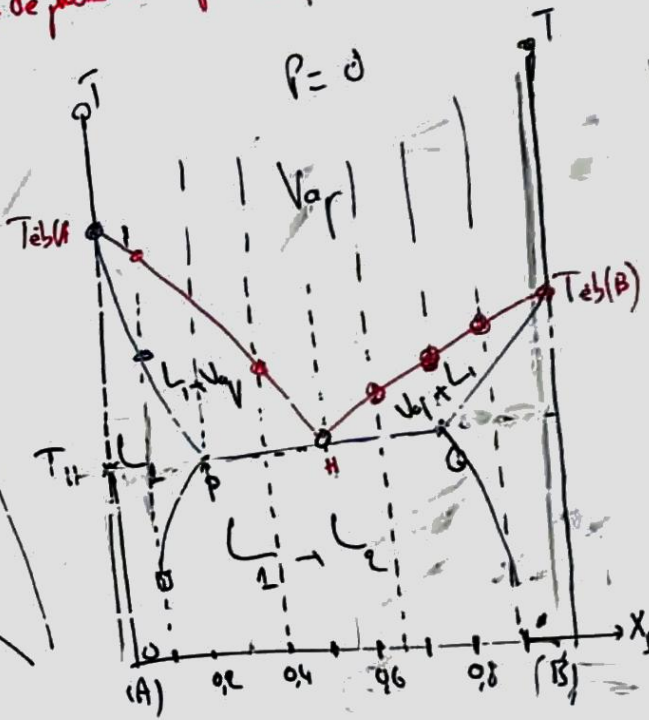
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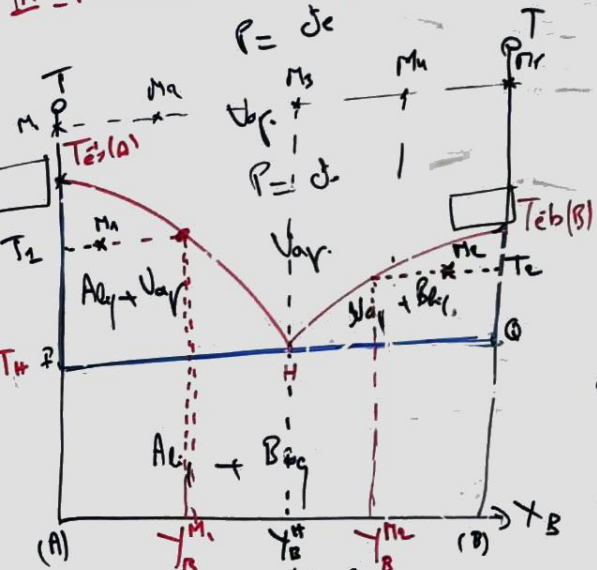
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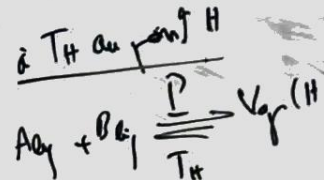
Succession de phases à TH pour $X_B^{L_1, P} < X_B^{L_2, Q} < X_B^{L_2, Q}$



III - Miscibilitate nulle en phase lig-do


$$\tilde{a}_{TH} : \mathbb{P}^1 \rightarrow \mathbb{C} : \langle X_B \rangle^2, \quad y=1$$
$$A_{\ell}(1) B_{\ell}(1) ; \forall \ell \in \mathbb{N} \quad \left\{ \begin{array}{l} F=1 \\ L=0 \end{array} \right.$$

$\Rightarrow$ Successo da parte di X_3

$$\alpha_{T_H} \approx \frac{1}{T_H} : \quad A_{e1} + B_{e1} \xrightleftharpoons{T_H}$$


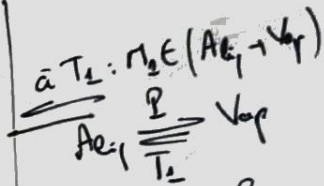
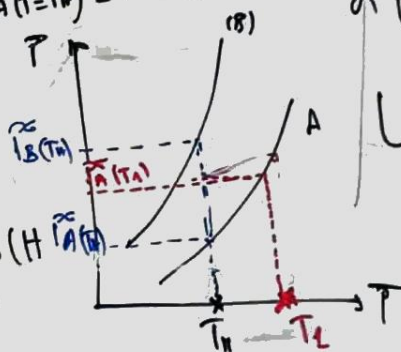
$$P = P_A + P_B$$

$$I = P_A + P_B$$

$$a) p_B = p_B^* = \gamma_B^H \cdot P$$

$$\Rightarrow \int_0^6 (T = T_4)$$

$$\text{d. } P_{A(T=T_H)}^G = P_B^G$$



$$P = P_A + P_B$$

$$P = P_A^C - P_B$$

$$P_E = \gamma_E \cdot P$$

$$\text{da } P_A^G(T_2) = P_B$$

$$P^c(T_H) \text{ e } P^s(T_A)$$

1. x a b

$$\frac{1}{\epsilon} = \frac{1}{\epsilon_0} - \frac{1}{\epsilon_0 \epsilon_r}$$

$$1 \quad P_A^G \quad D_{eq} H_{21}(s) \quad D_{eq} H_{22}(s)$$

$$C_m \frac{1}{p_0} = \frac{1}{R T_0} \quad R T$$

President, etc

$$\rightarrow T \quad b = \frac{D_{\text{avg}} \cdot \Gamma_1 \cdot (A)}{1}$$

$\bar{a}_{T_1}; \bar{P}_3(T_1) =$
 $2 T_2: T_2 \in (P_2 + V_1)$
 $P_2 \xrightarrow[T_2]{P} V_2$

$$P = P_A + P_B$$

$$P = P_A + P_B$$

$$p_B = p_B^* = 75 \text{ mmHg}$$

$$\text{da } p_g^{\text{sc}}(T_h) =$$

$$1 \quad \int_{\mathbb{R}^n} a - \frac{b}{\dots} \quad \left. \begin{array}{l} T_H: \mathbb{R}^n \\ \dots \end{array} \right\}$$

$$\frac{1}{p} = \frac{1}{T} + \frac{1}{\tau}$$

$$\frac{D_{\text{avg}} H_a(z)}{D_{\text{avg}} H_b(z)}$$

$$\frac{C_1}{P_1} = \frac{C_2}{P_2} \quad \frac{RT_1}{RT_2}$$

Kon, dankt sich

$$\nabla_{\psi} h_n(b) = b$$

$\frac{1}{R}$