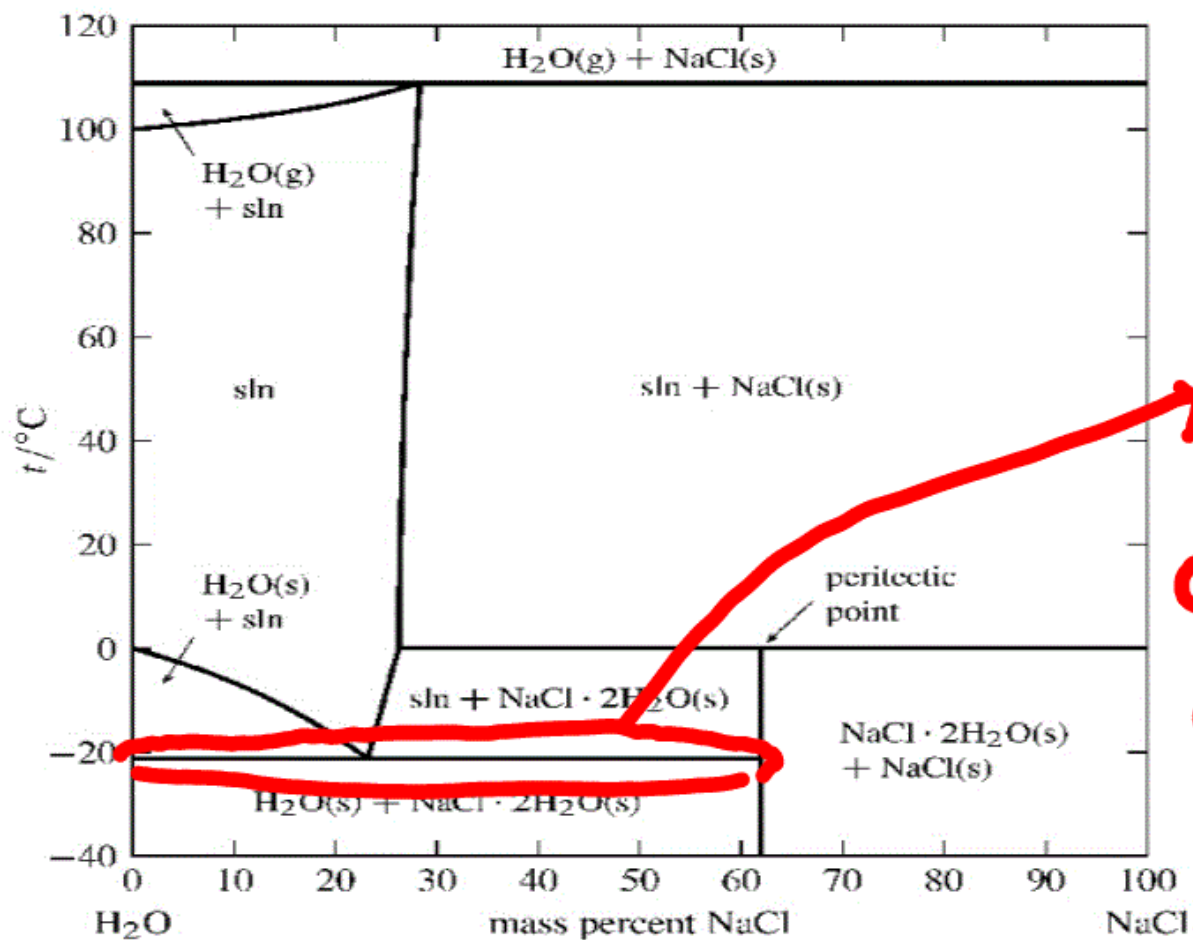


Clase 24 Junio 2021

Título de la nota

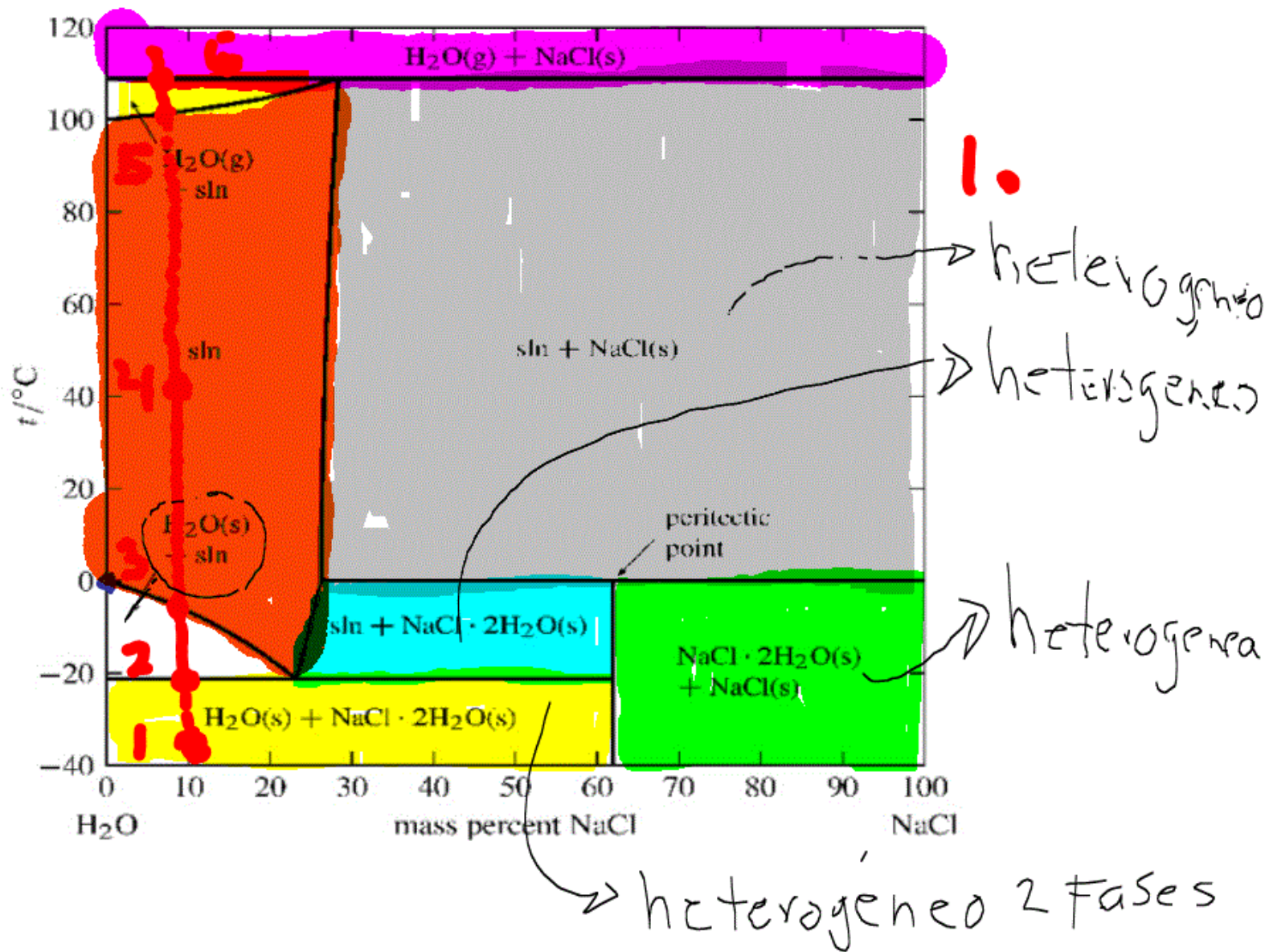
24/06/2021



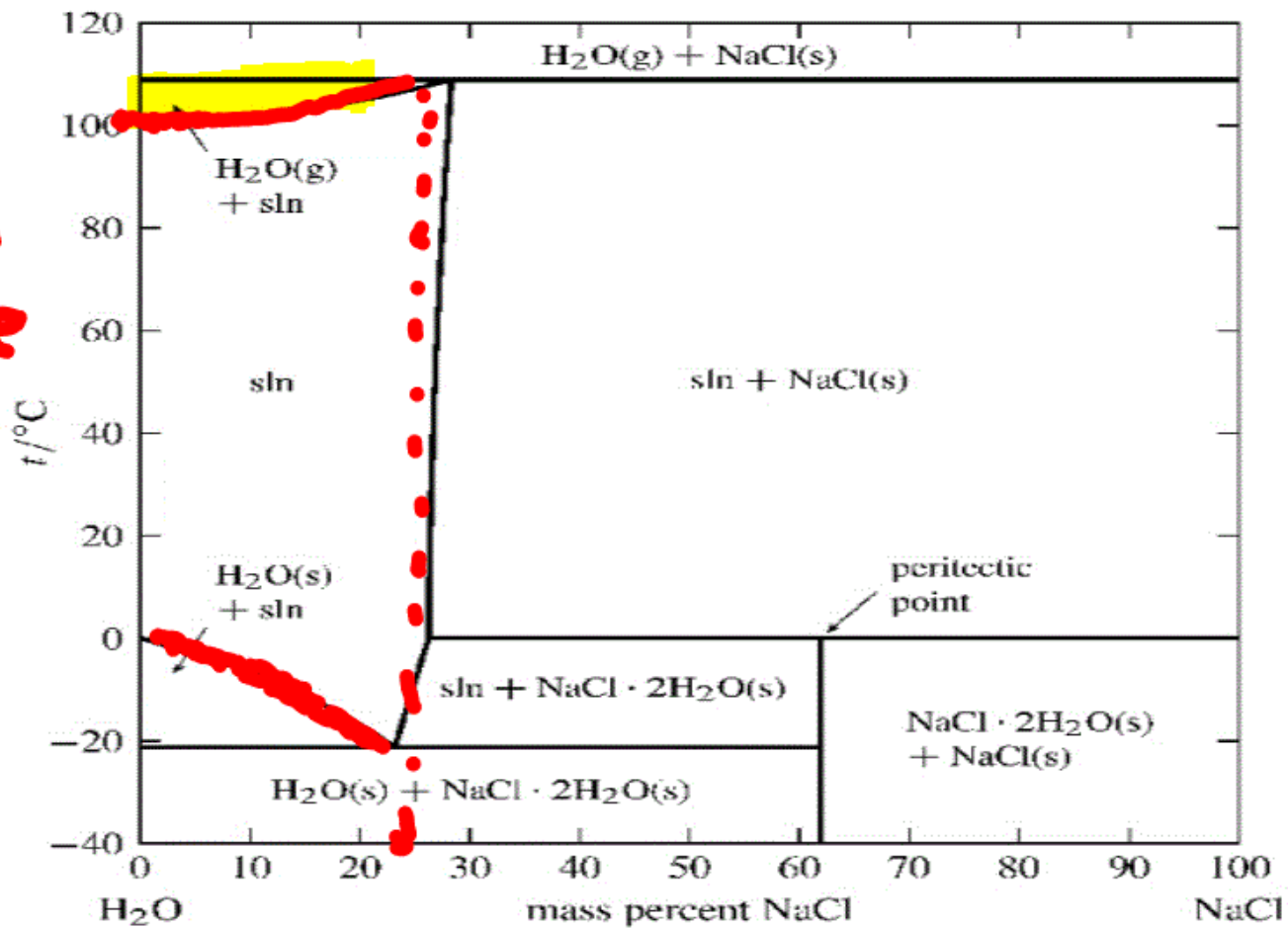
$p = \text{cte}$

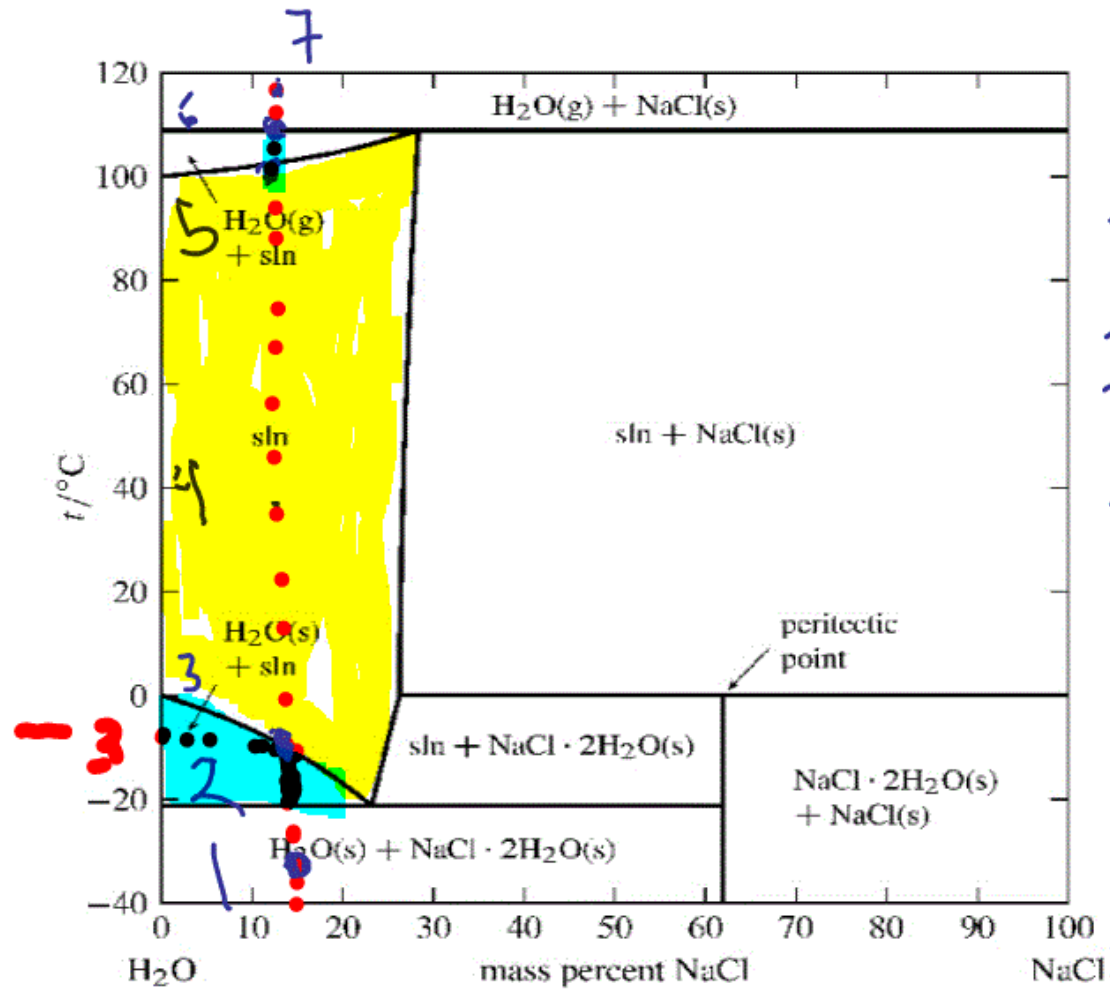
$T = \text{cte}$

Cambio de Fase

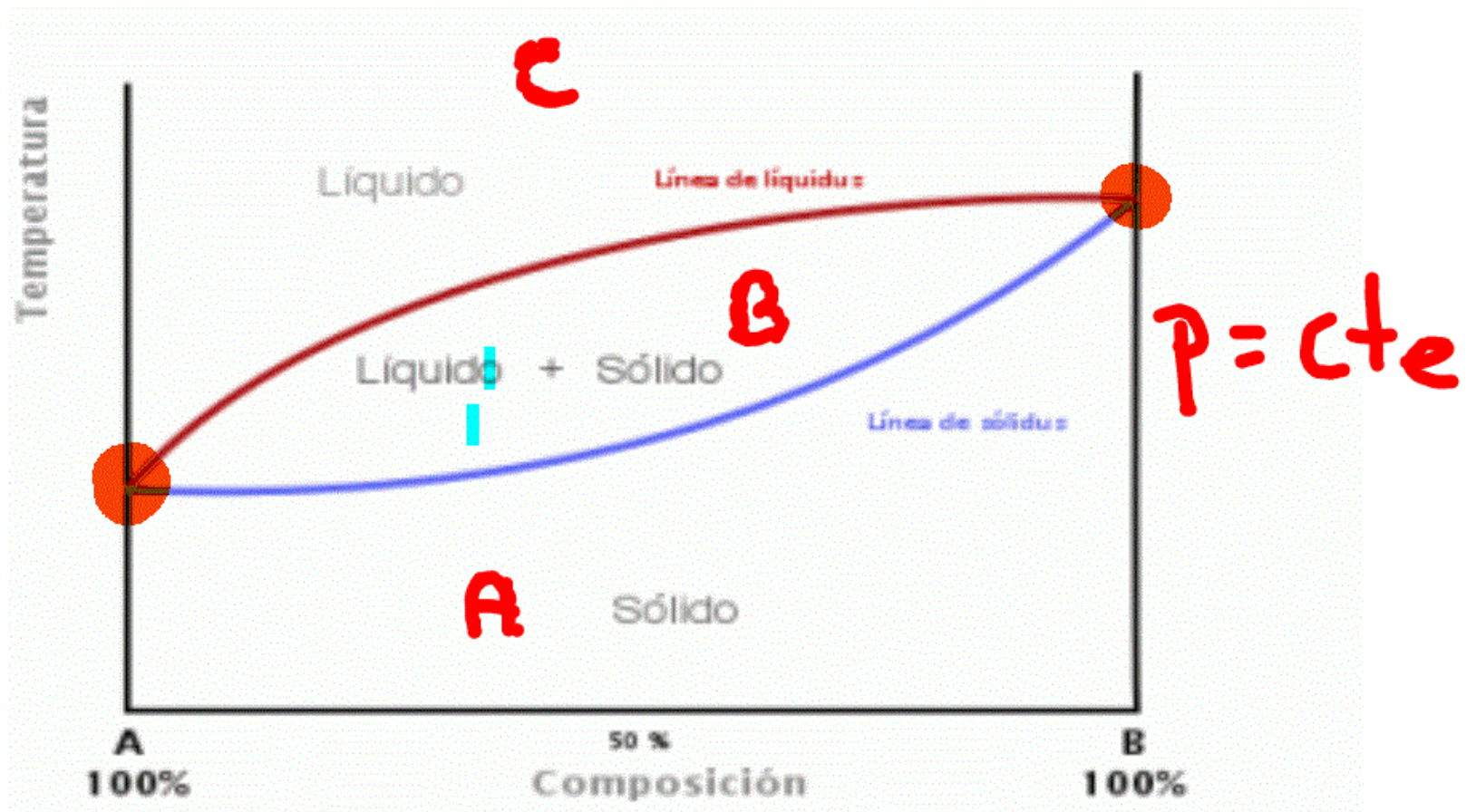


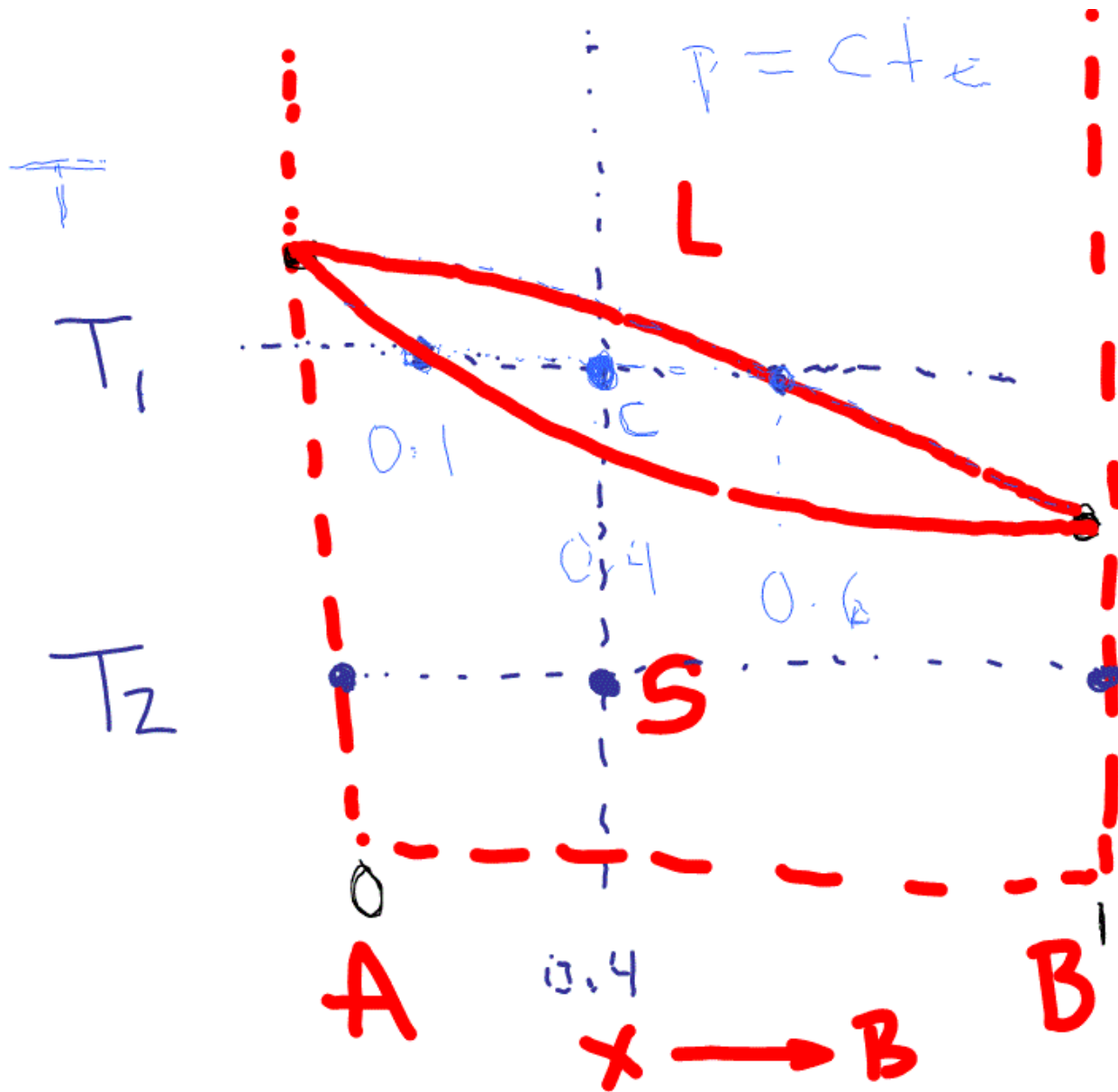
1 atm
p = cte





1. 2 fases
2. cambio
3. de fase
- 4.
- 5.
- 6.
- 7.





$C = ?$

$S < A$
 $S < B$

$L < A$
 $L < B$

Calcular la composición del punto C

Cuando se mezclan 0.4 moles de B

y 0.6 moles de A

$$n_{\text{total}} = 1 \text{ mol} \quad X_A = \frac{0.6 \text{ mol}}{1 \text{ mol}} = 0.6$$

isopleta \leftarrow $X_B = \frac{0.4 \text{ mol}}{1 \text{ mol}} = 0.4$

$$\frac{n_L}{n_S} = \frac{0.4 - 0.1}{0.6 - 0.4} = \frac{0.3}{0.2} = \underline{1.5}$$

$$n_L + n_S = n_{\text{totales}}$$

$$n_L = 1.5 n_S$$

$$1.5 n_S + n_{Si} = 1 \text{ mol}$$

$$2.5 n_S = 1 \text{ mol}$$

$$n_S = \frac{1}{2.5} = 0.4 \text{ mol.}$$

$$n_S + n_L = 1 \text{ mol}$$

$$n_L = 1 - 0.4 = 0.6 \text{ mol}$$

ns 0.4 mol
sólido

→ A (0.9)(0.4) = 0.36

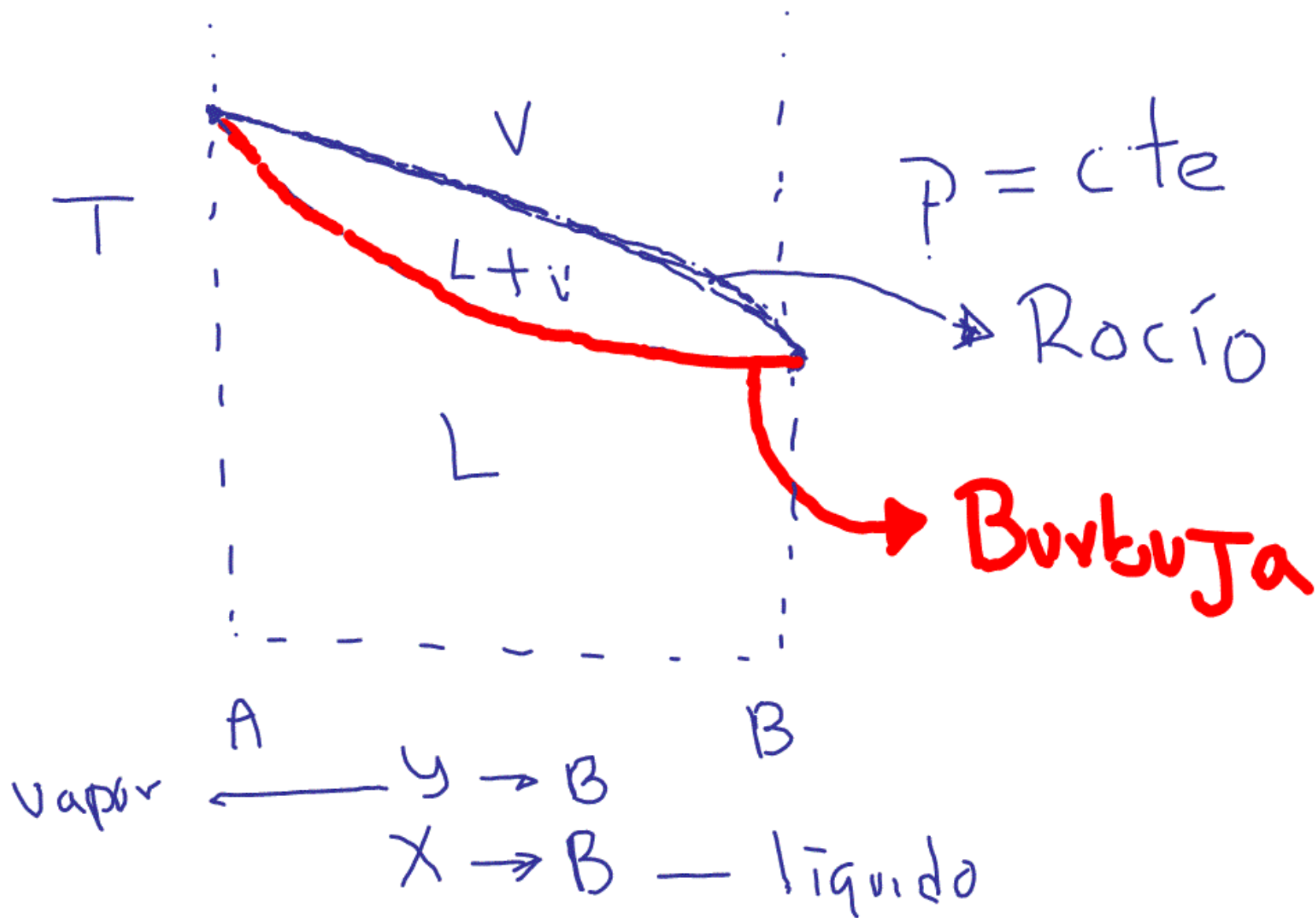
→ B (0.1)(0.4) = 0.04

$$nL = 0.6 \text{ mol}$$
$$A (0.4)(0.6) = 0.24 \text{ mol}$$
$$B (0.6)(0.6) = 0.36 \text{ mol}$$

Zona S-S a T_2

$$\frac{n_{SA}}{n_{SB}} = \frac{1 - 0.4}{0.4 - 0} = \frac{0.6}{0.4}$$

$$\frac{n_{SB}}{n_{SA}} = \frac{0.4 - 0}{1 - 0.4} = 0.6667$$



Dalton

$$p_{total} = \sum_{i=1}^s p_i$$

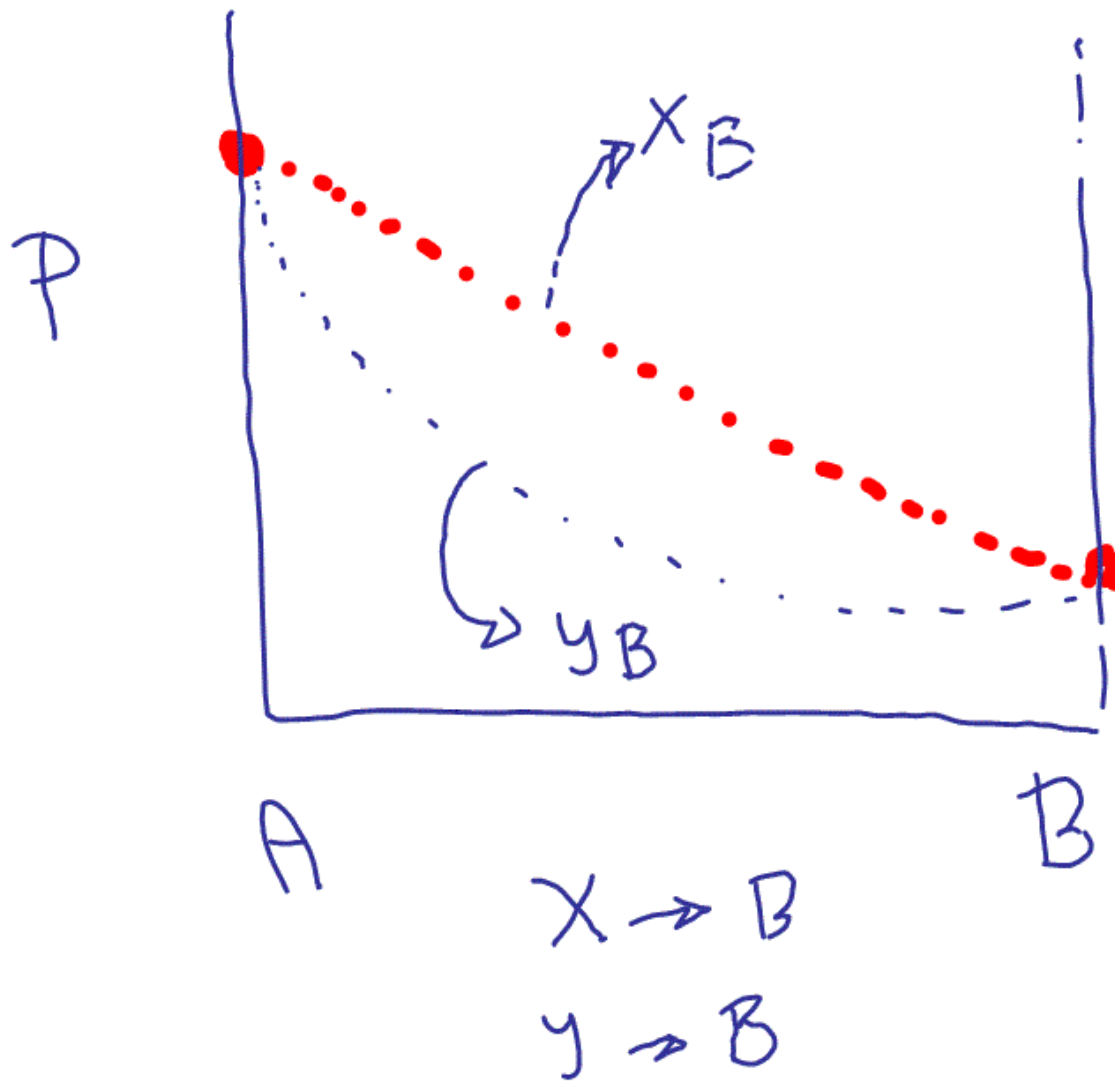
$$= p_{total}(y_A) + p_{total}(y_B)$$

Raoult

$$P_{total} = p^0_A \times A + p^0_B \times B$$

línea recta

$$y = b + m x$$



T c t e

B = Tolueno

A = Benceno

