do these satisfy the Gibbs dulem? $\widehat{H}_1 = a_1 + b_1 \gamma_1$ $\widehat{H}_2 = a_2 + b_2 \gamma_2$ = a2 + b2 (1-x1) now taking the partials $\left(\frac{\partial \overline{H}}{\partial \chi_{i}}\right)_{T,P,\chi_{i,J}} = b,$ $\left(\frac{\partial H_{2}}{\partial \chi_{i}}\right)_{T,P,\chi_{i,J}} = -b_{2}$ now into gibbs when for binary mixture $\sum_{i} \chi_{i} \left(\frac{\partial H_{i}}{\partial Y_{i}} \right)_{1, 0, \chi_{i, 1}} = 6$ χ , b, + $(1-x_1)(-b_2) = 6$ χ_{b} , $-b_{2} + \chi_{b_{2}} = 0$ $\chi_{1}(b_{1}+b_{2})-b_{2}=0$ Which does not need to be tree for Fitted parameters b., bz illogically this fits partial molar properties to a line $(\bar{H} = a + b \times)$ and partial molar Properties should not be expected to have livear relationships with respect to male fraction. back in the first honeworn I used some computer vision code modified from my research

