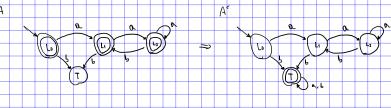
1. (25 pts) Dar una expresión regular para el complemento de $L((a(ab)^*)^*)$ sobre el alfabeto $\{a,b\}$.

 $\frac{1}{3} \frac{1}{3} \frac{1} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3} \frac{1}{3$



 $T = 0.7 [1.7] [\lambda = (a_1b_1) T [\lambda = (a_1b_1)^*]$ $L_1 = a_1 L_2 [1.7] = a_1 L_2 [1.7] [1.7] [1.7]$ $L_2 = a_1 L_2 [1.7] = a_1 L_2 [1.7] [1.7] [1.7]$ $L_3 = a_1 L_2 [1.7] = a_1 L_2 [1.7] [1.7] [1.7]$ $L_4 = a_1 L_2 [1.7] = a_1 L_2 [1.7] [1.7]$ $L_5 = a_1 L_5 [1.7] [1.7] [1.7]$ $L_6 = a_1 L_5 [1.7] [1.7] [1.7]$ $L_7 = a_1 L_5 [1.7] [1.7] [1.7]$ $L_8 = a_1 L_5 [1.7] [1.7] [1.7]$ $L_9 = a_1 L_5 [1.7]$