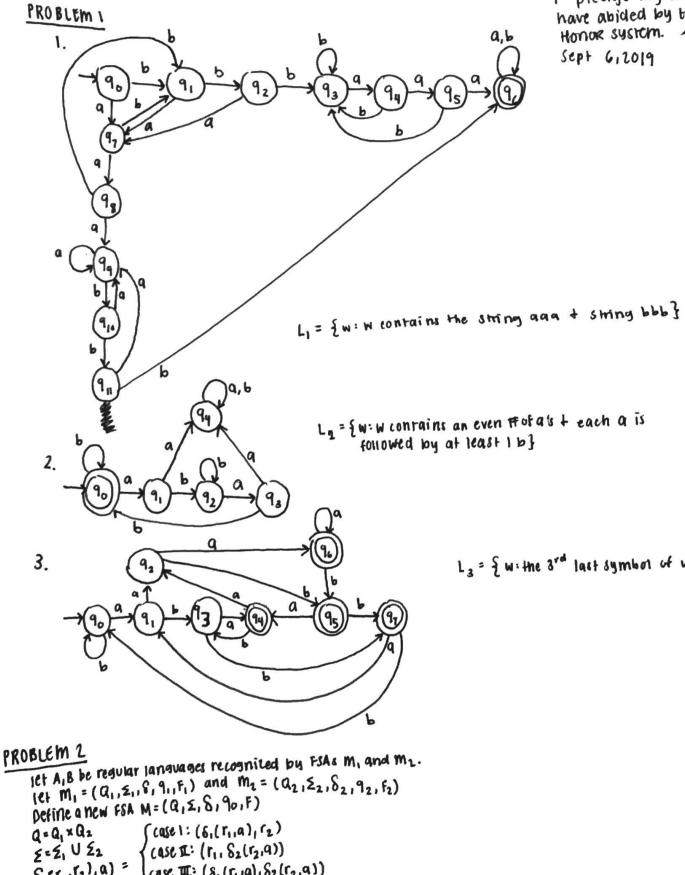
constance "connic" Xu I pleage my honor that t have abided by the stevens Honor system. 1 Sept 6,2019

0,6



L3 = { withe 3rd last symbol of wis an a}

Define a new FSA M= (Q, E, 8, 90, F) Q=Q, ×Q2 £= 2, U 22 S(1,12),a) = (ax II: (8, (r, 10), 82 (r2, 9)) 90=(91,92) F= (F1 ×Q2) U(Q1 ×F2) ... You can prove this by induction