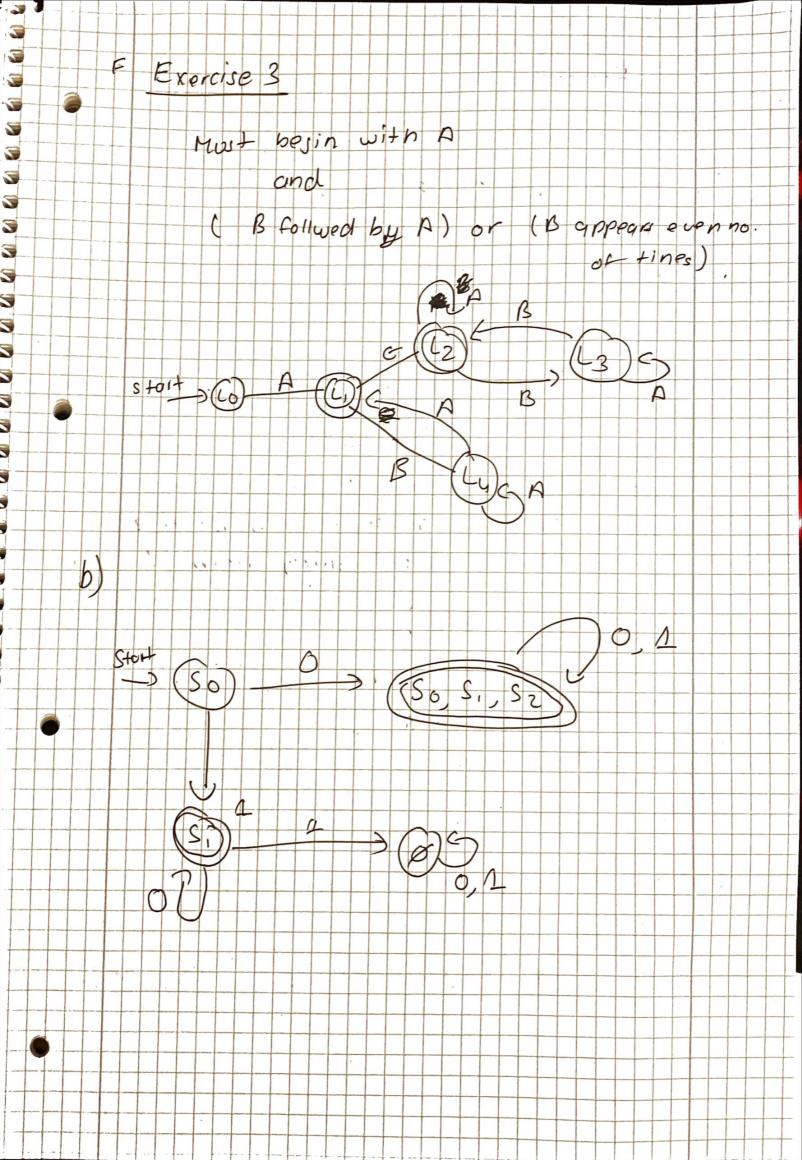


Exercise 2 a) & L= } W String over {0,13} with atteast one O and cross with atleast one 12 b) 1 = 3 w string over 50, 63 serios of chiest one (a) Starting from the begginning and the last la of the series more pair of ab}



Expresse 4 a) 3w 6 8* W & C Solution We know, is a language accepted by an NFA N. We know For every NFA +here exists another DEA for it so a DEA M wood be exists which accepts (LCM) = L(N) NOW FOR the DFA M. M= \$ {9, 9n}, f, S, & & P(8... 8n)} where pisthe power sot. Now describins another machine, 0=35g,...gn], [,5,2k,3g...gn]?(g,.g) the simple

The simple idea being we have changed all the accept states to reject states and the reject states to accept states. Therefore this conjugue would accept c.