C yassammilt EX 100 1; DETERMINISTIC FINITE AUTOMATA a Determinetic Finite Automata. ALGORTHIM: " Met or here construct the transition tapper and 2. State the translation table in a twodimensional assay.

3. Initialize present state next state and final - state. 4. Get the Inget stoing from the uses. 5. find the length of the input storing. 6. Read the input string character by thosactor. 8 for every character. 8. Refer the transition table for the state and the customent input symbol. and applate the next state. 9. when we sweach the end of the input, if the final state is smeached the input is accepted. otherwise Example: « simulate a DFA for the larguage sablesenfield spainds near 8= (d'p)

that start with a and end with b

Design of the DEA. sonsier work to be to be to and son solded with Brown all saids. A PROGRAM! Guete hours will had it the state state of the state of # indude (storing.h) # define max 20. agit not glob midismost all my 18 Jacoms - Lapre [4][5] = {{1,3}. {1,2}. {1) int final\_state= 2; 33333: 1. int Present state =0; whose int next - date = 9: the chan; inside - daing Comax ). bring E. (, Euges a gassid: , ) in la many sant (" 1.5" inute stain 9) int I = spoker (juby - spoind). Food (:=0; 121; 17+)

it (in Book - Exercise (i) = = 0) cent date + caries - copie (prosent delegis) else if Cinat spaind (1) == 83 nont-state = Enong - Eable ( mount - date )() " = Bilavini Mesent state = next state; (1== bilanni) 71 sout ( "Inalid input"). formage of the de temporal else if (steamt reporte = - timel state) bring E( " Vicast / " ). bringt (,, Dou, + yearst 1 U.,). us parthetis storing: abaaab. Accest Entrasza a staring! abbbaraba Don't Acocopione to the de 11.11 mid 5" fringer 50000