PAGE 1

String = abc

8: Qx5-> 0

(No, a) -> N1

(NI, b) -> YZ

(9/2, c) ->9/3

or - abc - N3

TRANSTION FUNCTION | EXTENDED TRANSTITION

FUNCTION

17 All possible S: Q x 2 -> Q

All possiblestring = E, a, b, aa, aba...

(9, abc) -> 93

8 = (90, E) = No

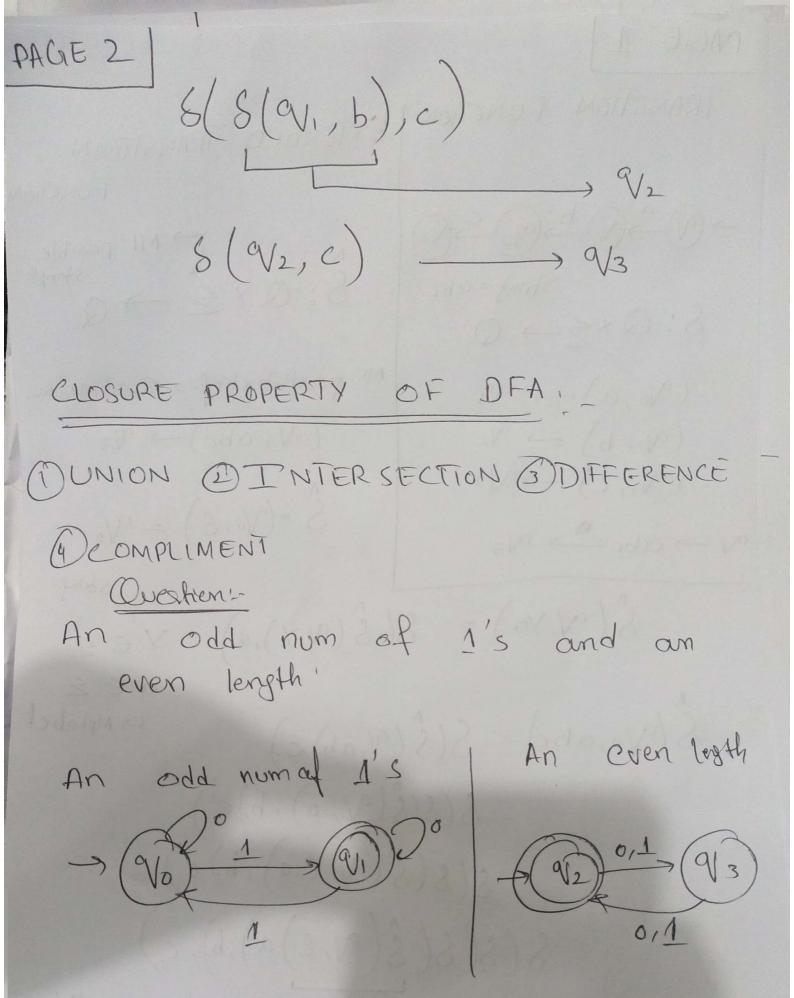
\$(Q,Ya) = 8(8(Q,Y),a) YES

Ly Alphoubet:

S(No,abc) = S(S(N,ab),c) 8(8(8(Q, a), b)c) 8(8(S(Q, E.a), b)c)

S(8(8(8(9, 2)a),b),c)

8(8(8(9,0),0),0)



PAPAGE 3 90 92 1 > 9193 INTERSECTION Fral State, - {91} SQ2 10,02] -> Firel state with all

PAGE 4 Compliment 5= {4,6} ab Start with compliment Non-Anal -> Anal state PAGE 25 1) ifference. $L_1 - L_2 = M_1 - M_2$ = M1 N M2 Practice ProPlem, -UL= EX/X E Z: X 8 som af X is divisible by 23 L1 = {x/00 is not a substring of x} L2= {x [x ends with 01}