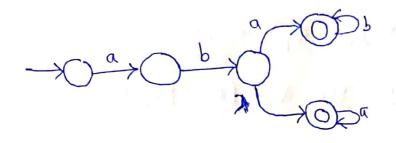
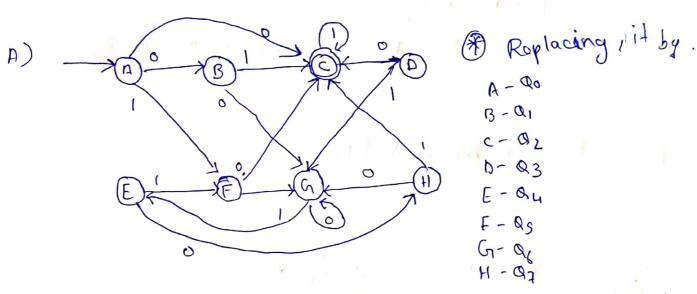
Snehal Sen. AFL

B) An nea for the sel is given by the following transition graph:





Stepl: Try to delete all the states to which we cannot reach from initial state. [Delete D (05193)]

Step 2: Draw State transition table of DFA:

Present State	Next	State
10 300	Input a	Input b.
200	Q 1	95
α_1	96	*Q2
*az	Qo	*02
QL	97	٩s
95	* Q2	Q ₆
96	96	04
Q 3	9°	* ONZ
		>/ \' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

ocanneu with Camoda

Step 3: Find out equivalent sets:

01- Equivalent Set: [00, 0, 04, 05, 06, 07) (02)

1 - Equivalent Set: [90, 94, 96) [9, 97) [95) [02)

2- Equivalent Sct: [0,194] [96] [0,197] [0,5] [92]

3- Equivalent Set: [90, 94][06][91, 97] [05][02]

Again, replacing it by.

A-Qo, B-Q, ,C-Qz, B-Q3, E-Qq, F-Q5, G-Q6

H-Q2.

Step 4: Draw minimized DFA:

