

Roll # 241610047 Name: M. Mustoja Kamel Melik

Q2. Word: "()))"

S -> XB

S -> AC

A -> (

X -> B X'

X' -> XY

Y -> C

M,B C -- M S

X ->)

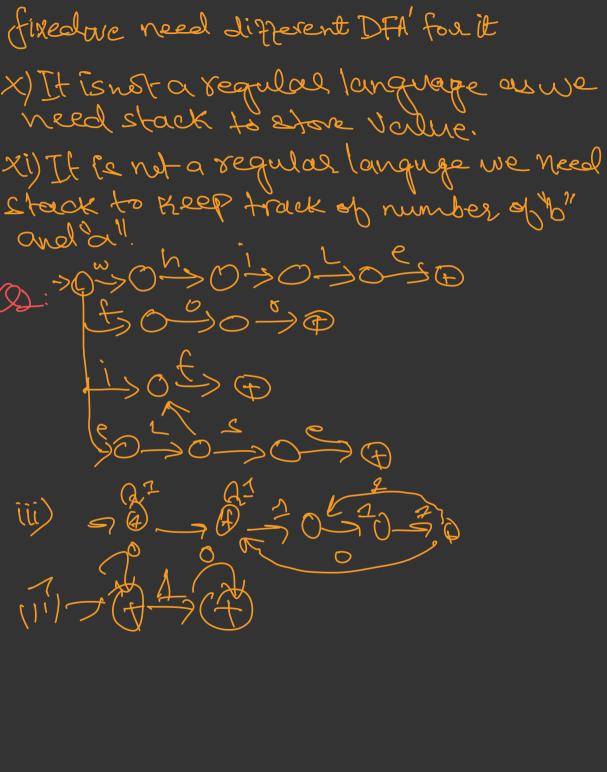
B 7 CC

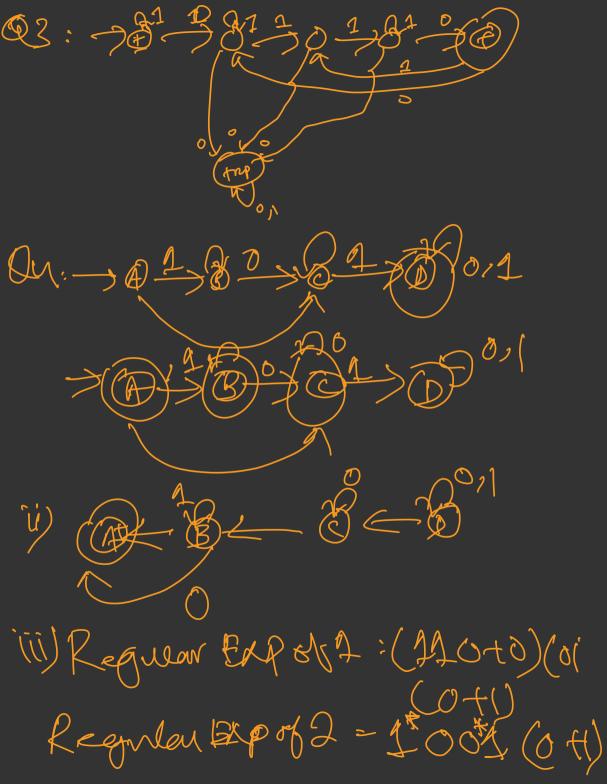
C -> XB

C7)

AX, AC, BX, BC XX, XC, CX, CC SX, SC, AB, BB BX, BC, XB, CB X, C, SB, AS, BS, BC

Mustapa Kormal Macik Roll #2418180 47 Al:1) It is regular language as it's finite machine ic possible as it is 1,0 so Klear closure can work. II) It is regular language as we can home its finite solution Ili) It is not a regular Junguarge as we need monory to Store value of 12 to marke it large ivith is not a regular language as we need memory to store value of mito note it larger than n V) It is oregular language as it is Klean VIJA is not a regular language as me need different FA's for it. Vij It is regular language as we can marke DFA of of it Viii) It is not a segular language as la power





They both are same as the Validate Same Stringe DFA2 is more like. minimilizael of DFA1 Example \$101,010019) Hence DAAL=DFAQ

