Roll Number:

Name:

<u>Problem:</u> Design a DFA for the following Language.

7 M1

M2'

 $L = \{x \mid x \in \{a,b\}^*; x \ contains \ 'abab' \ as \ a \ substrig \ but \ does not \ ends \ on \ 'ab'\}$

Does $'ababa' \in L$ prove it using extended transition for DFA.

M= M1 NM2'

