Roll Number:

Name:

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

M1 >

 $L = \{x \mid x \in \{0,1\}^*; x \text{ contains even number of 0's but does not ends on '01'}\}$ 

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

 $M1: \rightarrow 3 \longrightarrow R21$ 

 $M2: \rightarrow \boxed{3}$ 

hilsBisch