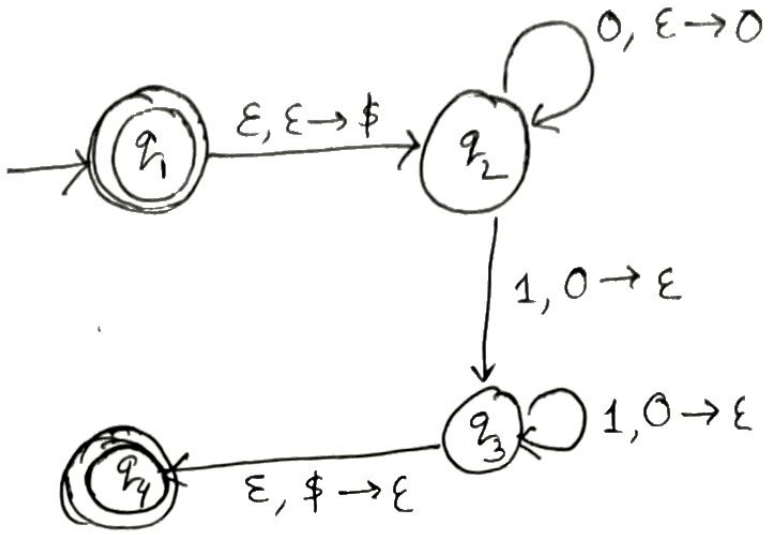
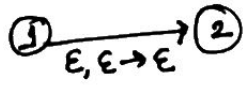


- Notice that q_1 is accepting state.
- $q_1 \longrightarrow q_2 \longrightarrow q_3 \longrightarrow q_4$ this path never allows empty as $q_2 \longrightarrow q_3$ requires to read input 1.
- As the starting state is accepting state, so add a rule for starting variable $A_{q_0 q_{accept}}$ that is $A_{14} \longrightarrow \varepsilon$
- So you have to specially handle two cases
  1. starting state is accepting state
  2. $\boxed{\varepsilon, \varepsilon \to \varepsilon}$ transition



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