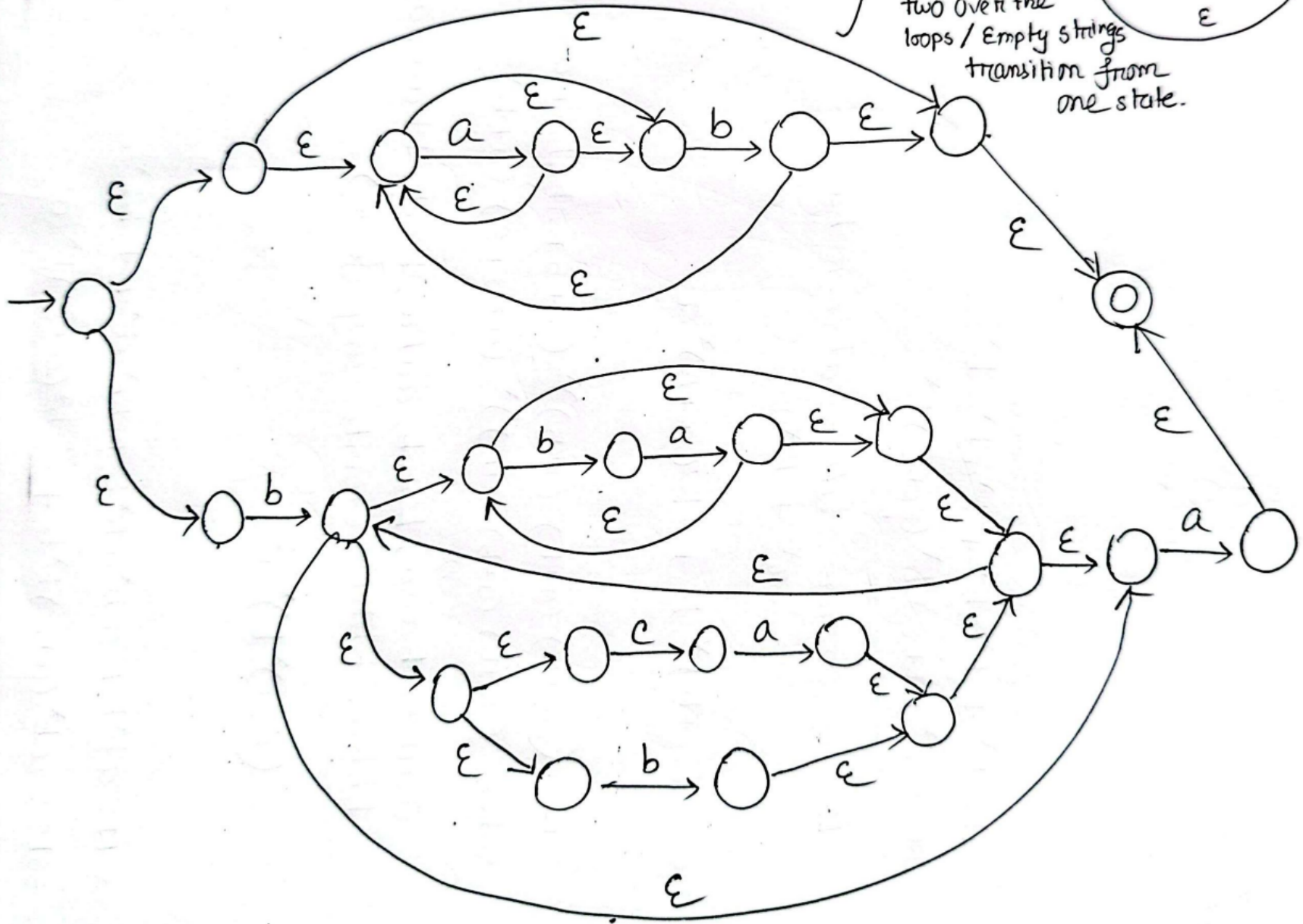
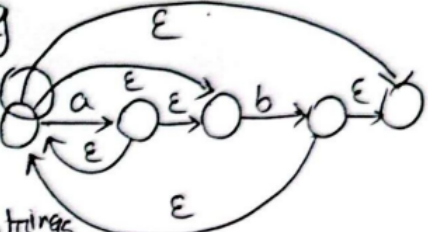


Problem 2: Regular Expression to NFA

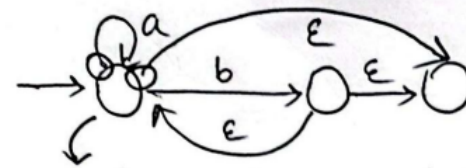
Convert the following regular expression into an equivalent NFA.

$$(a^*b)^* + b((ba)^* + (ca + b))^*a$$

will be wrong if two over the loops / Empty strings transition from one state.

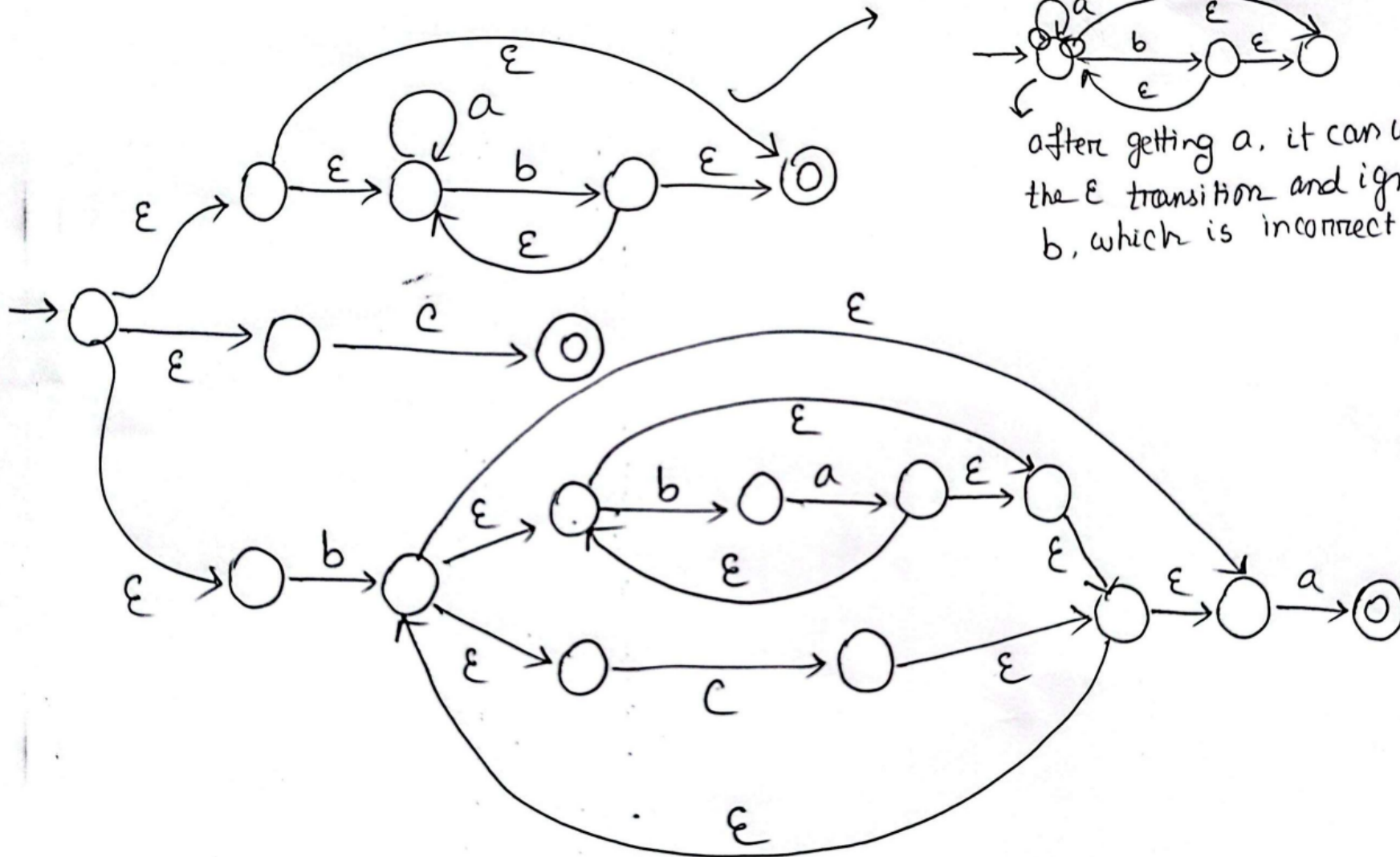


$(a^*b)^* + b((ba)^* + c)^*a + c$ will be wrong if



after getting a, it can use the ϵ transition and ignore b, which is incorrect.

$(a^*b)^* + b((ba)^* + c)^*a + c$



Problem 2: Regular Expression to NFA
Convert the following regular expression into an equivalent NFA.