Construct a *regular expression* for each of the following FSAs using Algorithm 6.2.2 (Construct a Regular Expression from a Finite Automata) such that states are eliminated based on their labels in the alphabetical order, i.e., from A to Z.

1. [20 pts]

![FSA Diagram 1](image1)

2. [30 pts]

![FSA Diagram 2](image2)