1. Describe in English the language of the following NDFA.

2. Write the regular expression for the previous NDFA.

3. Using subset construction, convert the NDFA to a DFA.

4. Describe in English the language of the following regular expression.

\[(ab)^* (ba)^* | ab^*\]

5. Using the construction provided in class (Thompson’s construction), convert the previous regular expression into an NDFA with epsilon transitions.

6. Draw a deterministic finite automaton with four states that recognizes the strings containing a’s and b’s where the number of times ab appears is even.