Homework #1 - RE -&gt; minimized DFA

1. Use the following regular expression and answer the questions.
   (All answers need to be described with the steps toward the final answer.)

   \((a | b)^* abb\)

   A) Draw a NFA by using Thompson’s construction.

   B) Convert the NFA in (A) to DFA by using subset construction.

   C) Minimize the DFA in (B) by using Hopcroft’s algorithm.