1. Build the CFSM for this grammar. Is it an LR(0) grammar? Why or why not?

   1. \( S \rightarrow ABx\$
   2. \( A \rightarrow Ay \)
   3. \( A \rightarrow z \)
   4. \( B \rightarrow Bx \)
   5. \( B \rightarrow w \)

2. Build the LR(1) machine for the grammar in the previous problem. Is this an LR(1) grammar? Why or why not?

3. Show the steps that a parser would take (as we did in class) when parsing the string “zywxx”