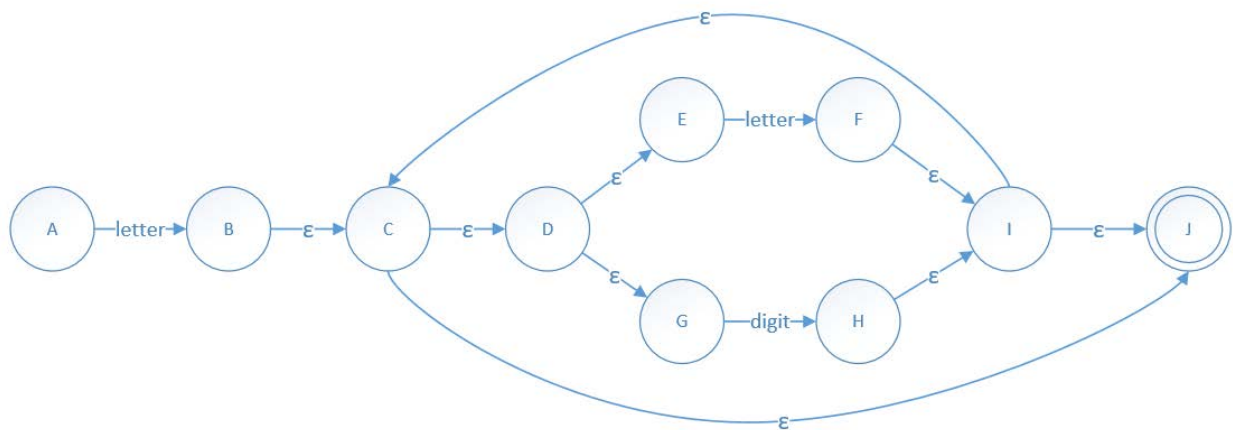


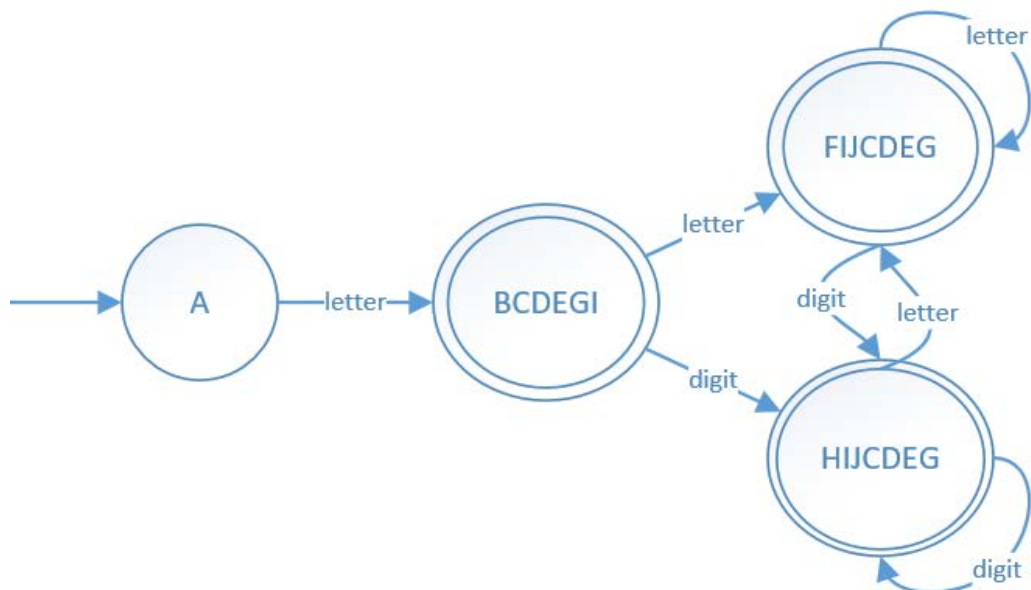
### Assignment 3

1.

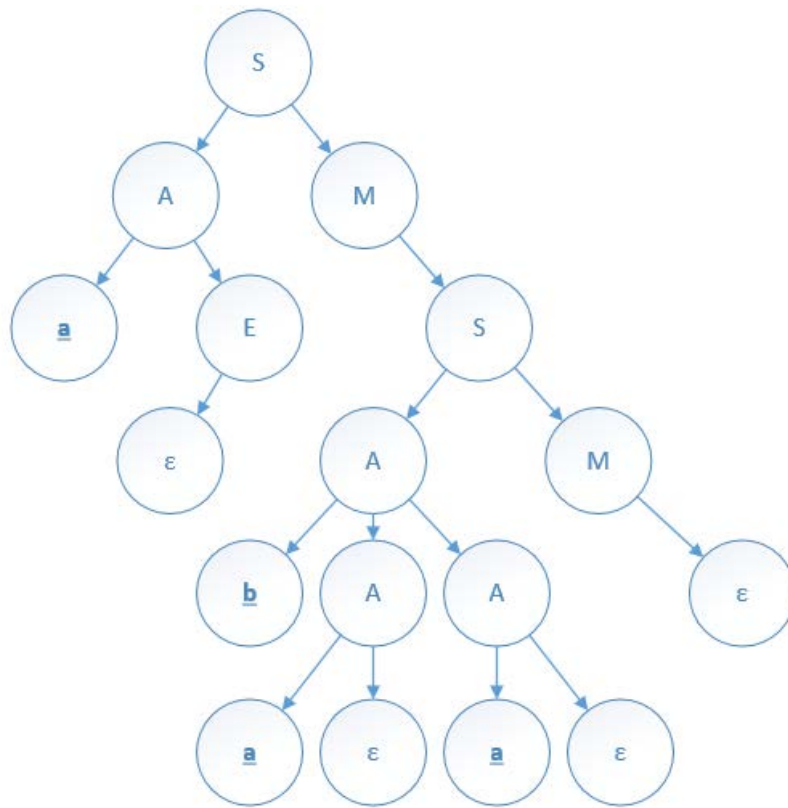
- a. Show the NFA that results from applying the construction of Figure 2.7 to the regular expression **letter ( letter | digit )\***



- b. Apply the transformation illustrated by Example 2.14 to create an equivalent DFA.



2. Show the left-most parse tree for the string **a b a a**



3. Construct a parse tree for the input string **foo(a,b)**

