

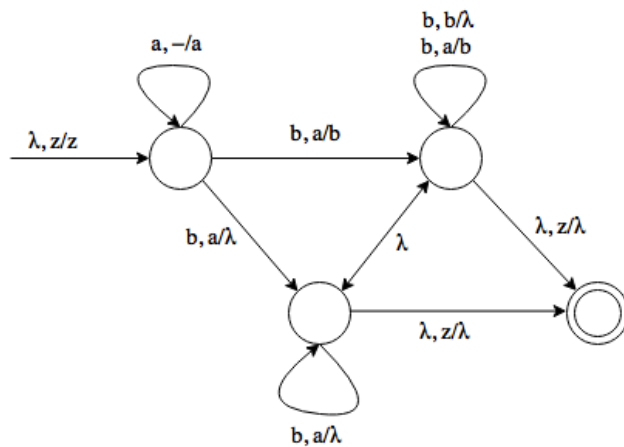
Quiz 4

Draw the state transition diagram of a pushdown automata that accepts with empty stack for the language $L = \{a^i b^j \mid i \leq j \leq 2i\}$

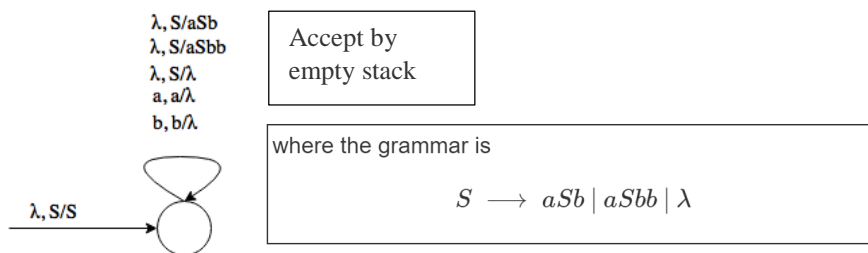
Solution:

There might be several solution. Some of them are shown below:

1)



2)



3)

