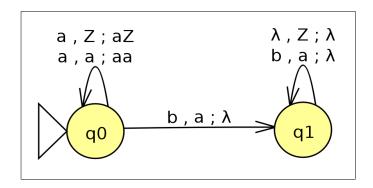
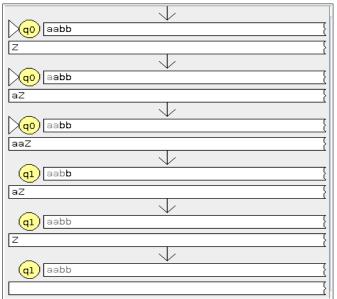
Pushdown Automata

Question 1: Design a pushdown automata for language a"b" | n>0

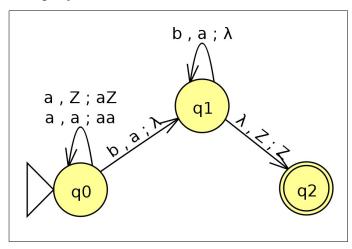
Accept by empty stack:



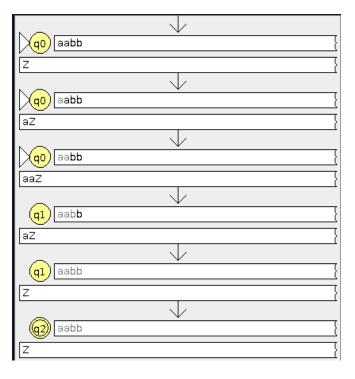
Input	Result
Input	Nesuit
ab	Accept
aab	Reject
aabb	Accept
ababab	Reject
bbaa	Reject



Accept by final state:

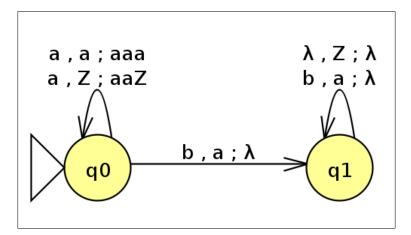


lanut	Result
Input	Result
ab	Accept
aab	Reject
aabb	Accept
ababab	Reject
bbaa	Reject
8	

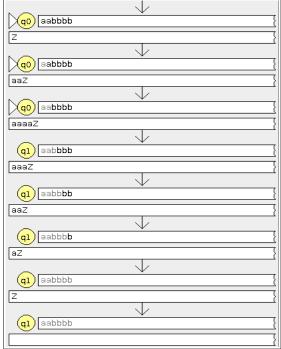


Question 2: Design a pushdown automata for language $a^nb^{2n}\,|\;n{>}0$

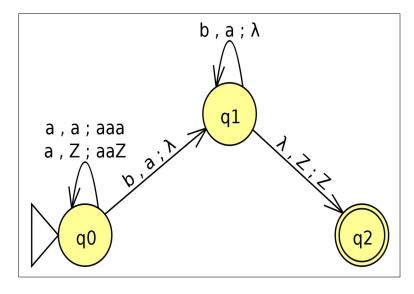
Accept by empty stack:



Input	Result
abb	Accept
aabbbb	Accept
aaabbb	Reject
aabb	Reject
abab	Reject



Accept by final state:



Input	Result
abb	Accept
aabbbb	Accept
abab	Reject
aabb	Reject

