

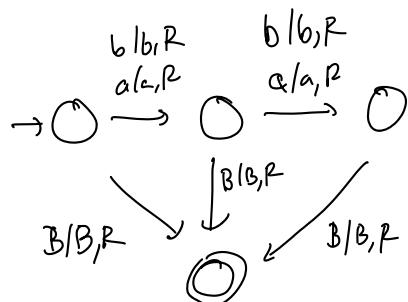
1, 2c, 2f, 3

#1 $aabb:$

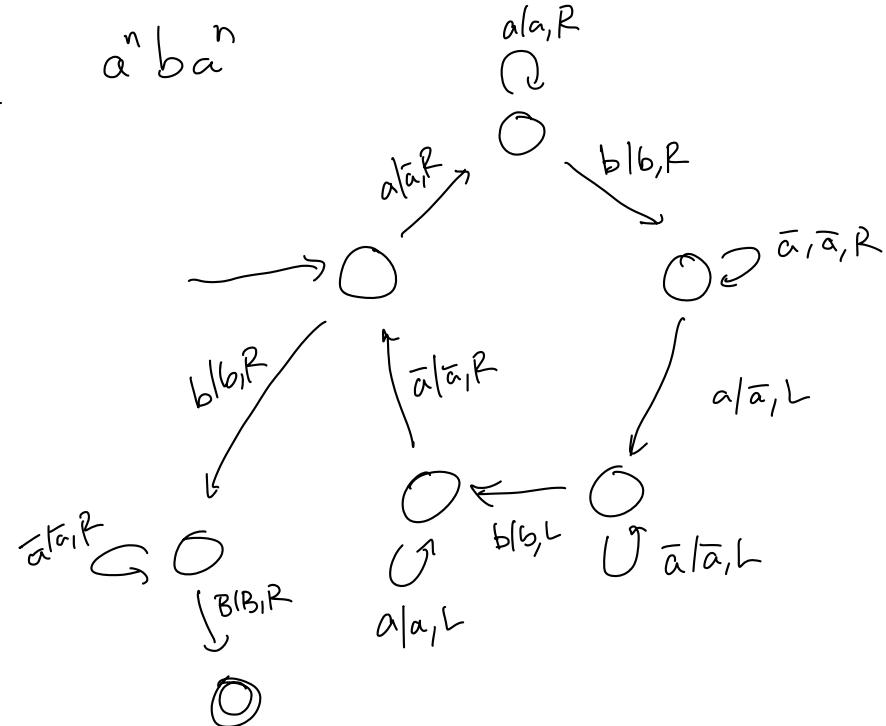
$1aab \rightarrow B$ $2abb \rightarrow a2bb \rightarrow ab2b \rightarrow abb2B$
 $\rightarrow ab3b \rightarrow a4b \rightarrow 4ab \rightarrow 4Bab \rightarrow 1ab$
 $\rightarrow 2b \rightarrow b2B \rightarrow 3b \rightarrow 4B \rightarrow 1B \rightarrow 5B$ accepted!

Language is $a^n b^n$

2c



2f



#3 Use the same diagram. Any arrow \xrightarrow{a}
 becomes $\xrightarrow{a/a, R}$

Any accepting state  becomes
 $\xrightarrow{B/B, R}$ 

The example is:

