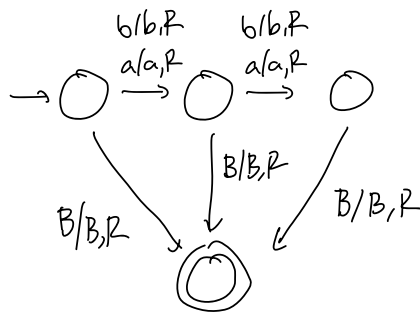


Math 3342 HW #8

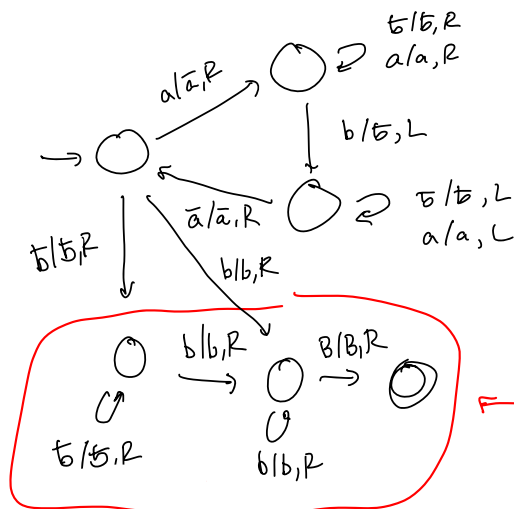
1, 2c, 2e, 2h

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

#2c Read 0, 1, or 2 letters, then accept.



#2e Like $a^n b^n$, which we did in class, but allow for extra b's left over at the end.



This is the only change from the $a^n b^n$ machine.

#2h

This is a variation of the "same # of a's & b's" machine from class, but we allow extra c's at any time.

