

Math 3342 Homework #9

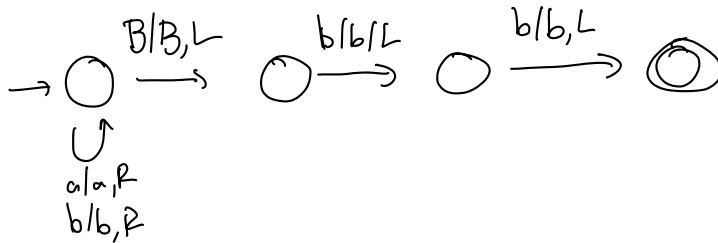
#1, 2b, 2e, 2f

aabb is accepted:

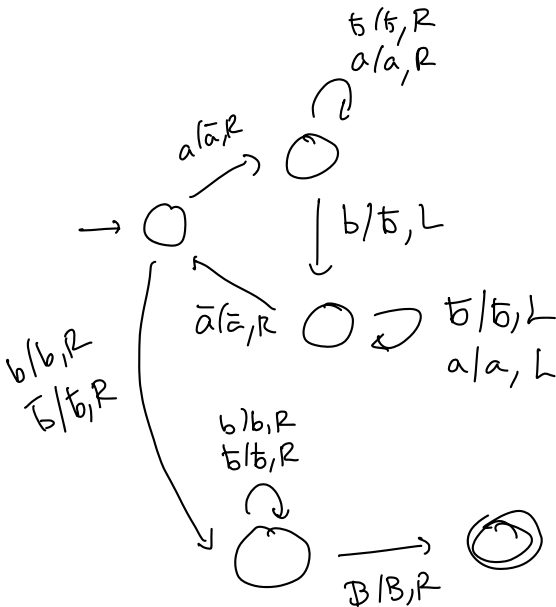
#1

$1aabb \mapsto 2abb \mapsto a2bb \mapsto ab2b \mapsto abb2B$
 $\mapsto ab3b \mapsto a4b \mapsto 4ab \mapsto 4Bab \mapsto 1ab$
 $\mapsto 2b \mapsto b2B \mapsto 3b \mapsto 4B \mapsto 1B \mapsto 5$

2b $\{x b b\}$



2e $\{a^n b^k \mid k \geq n\}$ — like $a^n b^n$, but we can allow extra unmarked b's at the end.



2f $\{a^n b a^n\}$

