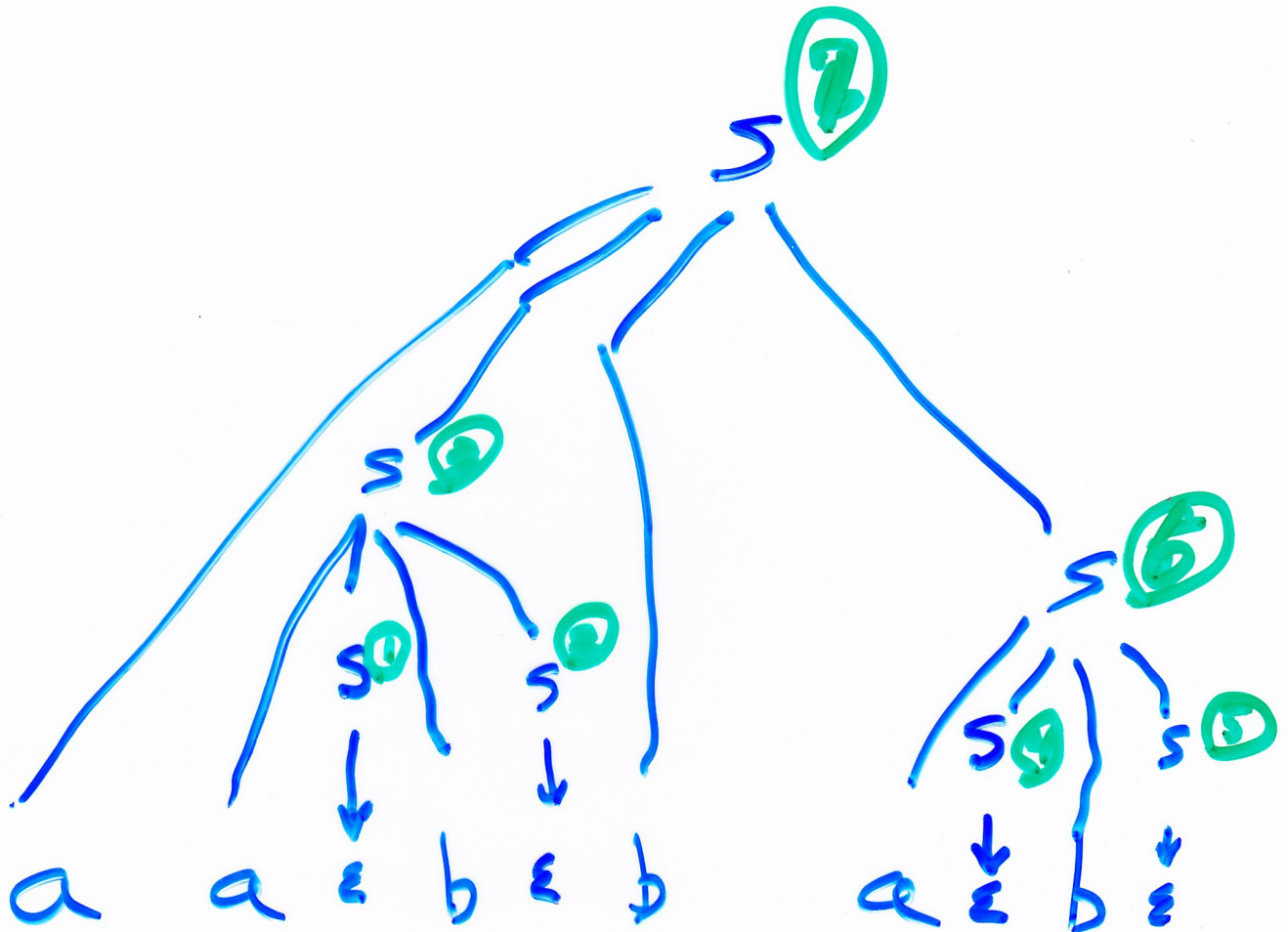
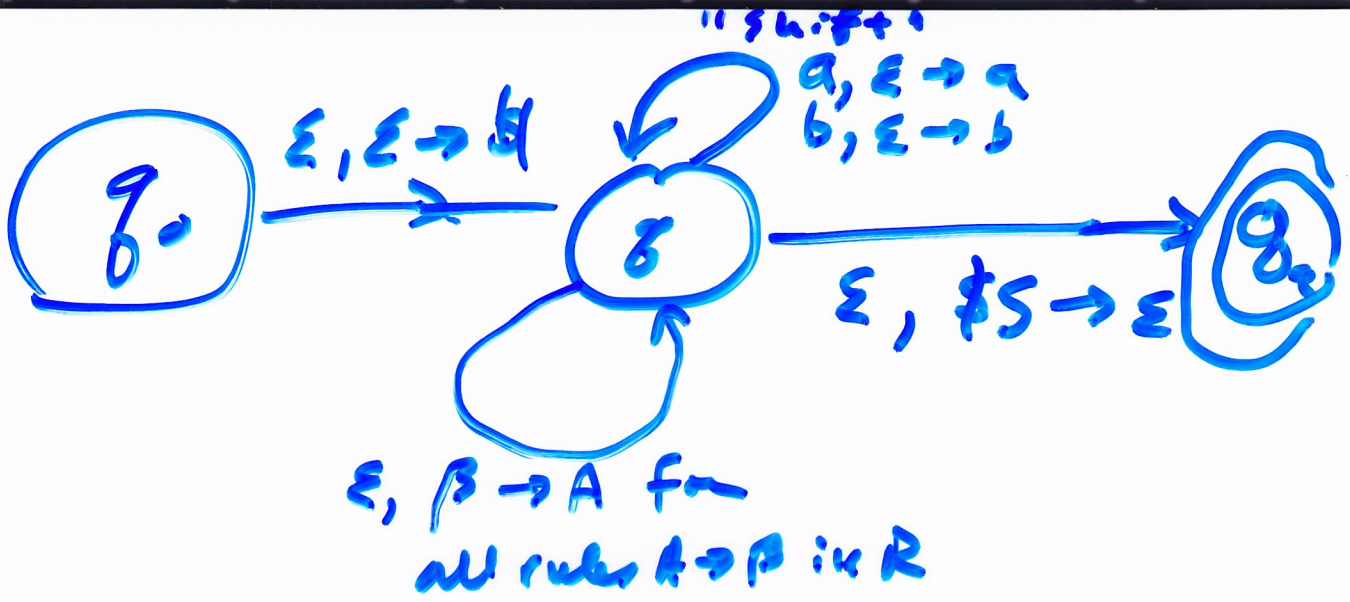


$S \rightarrow aSbS \mid \epsilon$



$S \Rightarrow aSbS$
 $\Rightarrow aSb aSbS$
 $\Rightarrow aSb aSb$
 $\Rightarrow aSb a b$
 $\Rightarrow a aSbS b a b$
 $\Rightarrow a aSb b a b$
 $\Rightarrow a a b b a b$

①
 ②
 ③
 ④
 ⑤
 ⑥
 ⑦
 ⑧



"Reduce"

$\epsilon, \epsilon \rightarrow S$
 $\epsilon, aSbS \rightarrow S$

q_0
 q_1
 q_1
 q_1
 q_1
 q_1
 q_1
 q_1
 q_1
 q_1
 q_1

ϵ	$aa bba b$	
$\$$	$aa bba b$	
$\$ a$	$abbab$	
$\$ aa$	$bbab$	→ ①
$\$ aaS$	$bbab$	
$\$ aaSb$	bab	→ ②
$\$ aaSbS$	bab	→ ③
$\$ aS$	bab	