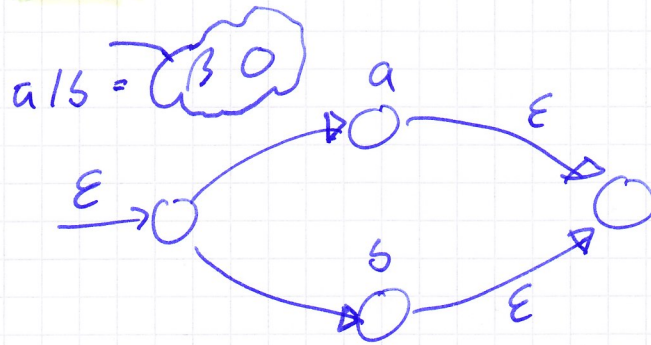


## Aufg 2

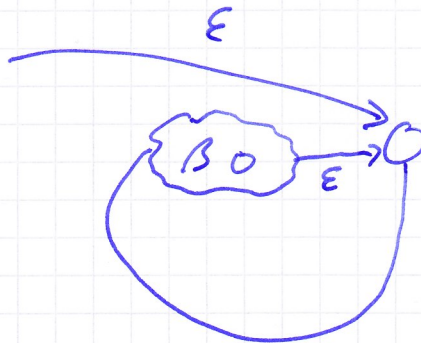
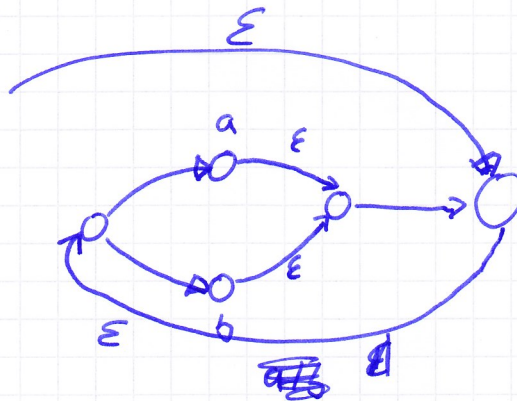
CB  
18. Okt. 2011

1.) siehe 'git' in README

2.) a)  $(a|b)^*$



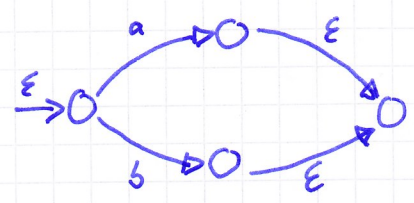
$(a|b)^*$



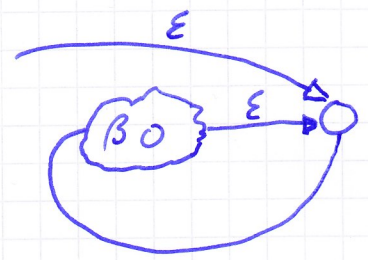
2.) a)  $(a|b)^*$

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18. Okt 2011

$a|b \Rightarrow \beta_0$

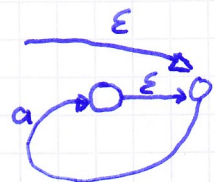


$(a|b)^*$

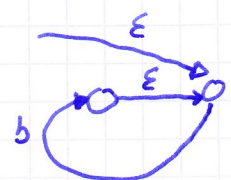


b)  $(a^*|b^*)^*$

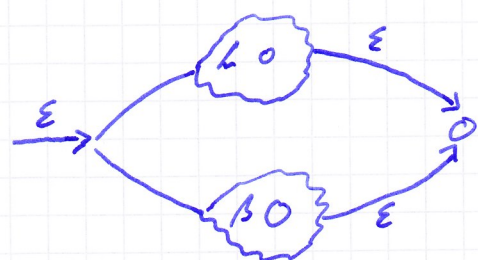
$a^* \Rightarrow \alpha_0$



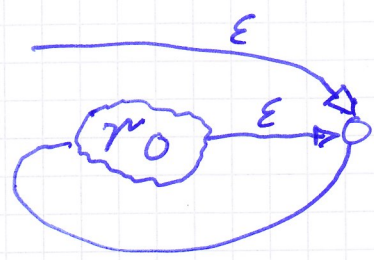
$b^* \Rightarrow \beta_0$



$a^*|b^* \Rightarrow \gamma_0$



$(a^*|b^*)^*$

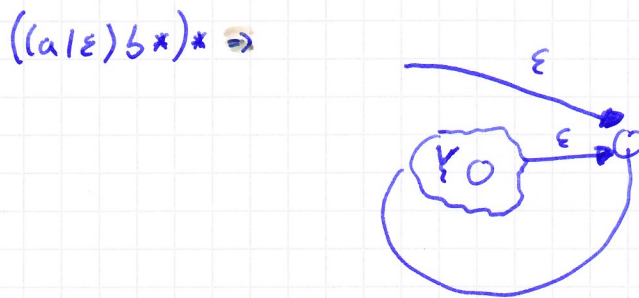
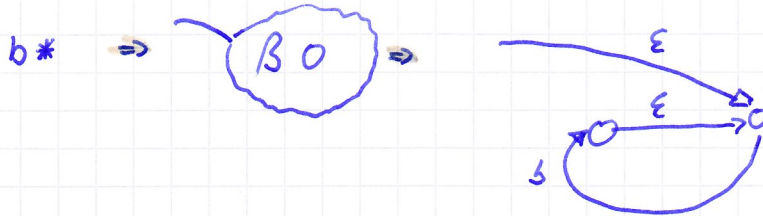




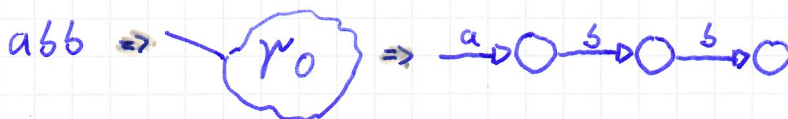
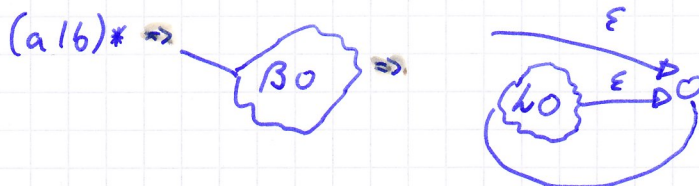
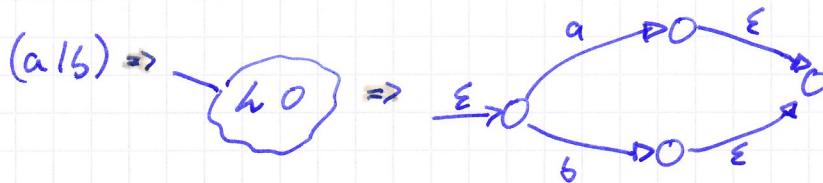
c)  $(a?b^*)^*$

Merke:  $a? \rightarrow (a|\epsilon)$

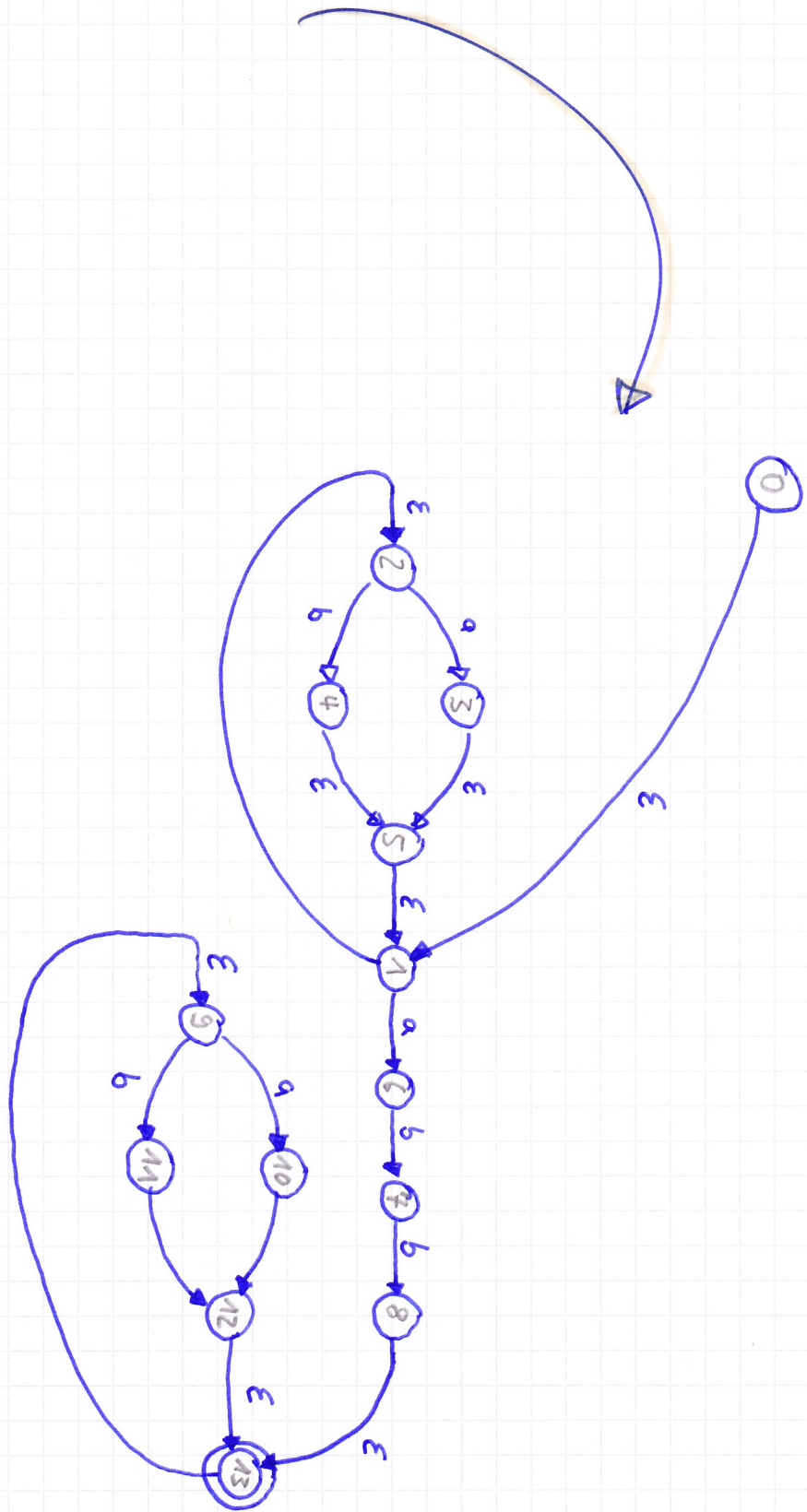
CD  
18. Okt 2011



d)  $(a|b)^*abb(a|b)^*$



in d)  $(a/b)^*abb(a/b)^*$



$abababab = 0$  1 2 3 | 5 a  
 1 2 4 | 5 b  
 1 6 | 7 a b b  
 8 | 13 a  
 9 10 | 12 a  
 11 13 9 11 12 13 9 11 12 13