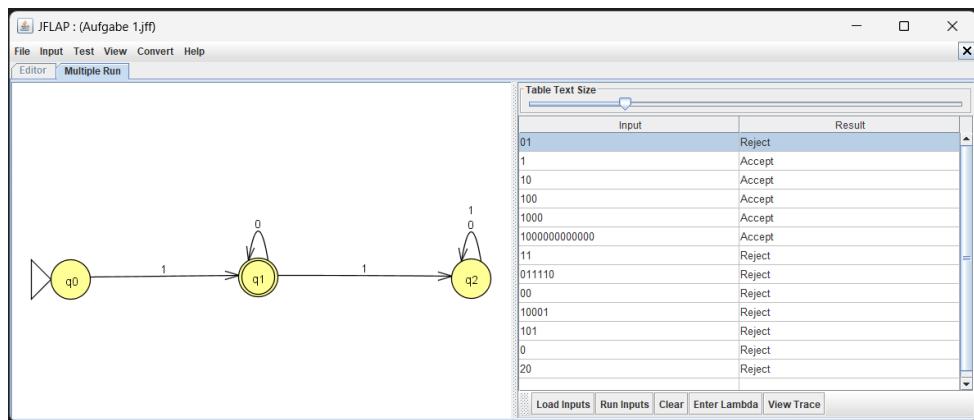


## Blatt 3

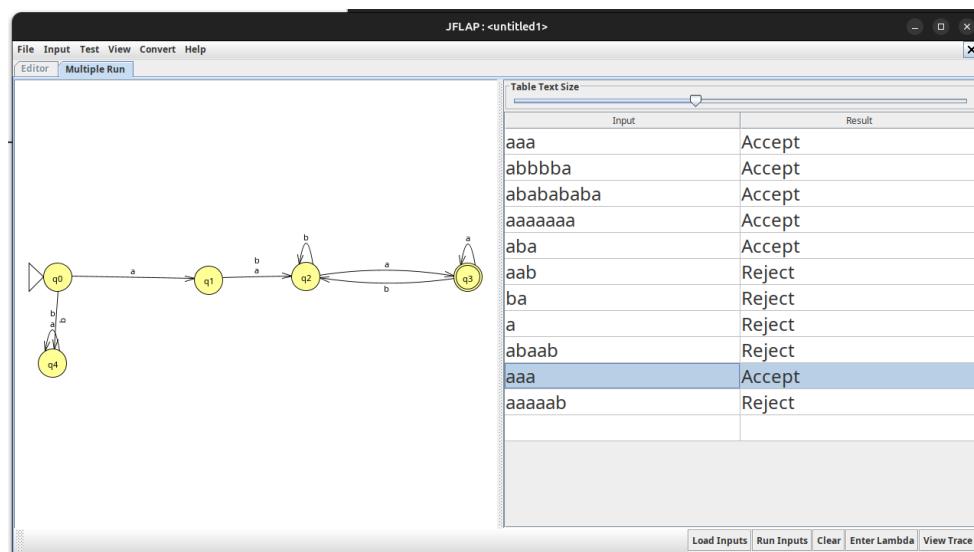
Automaten und formale Sprachen Praktikum

Teammitglieder: Luis Staudt  
Dominik Meurer

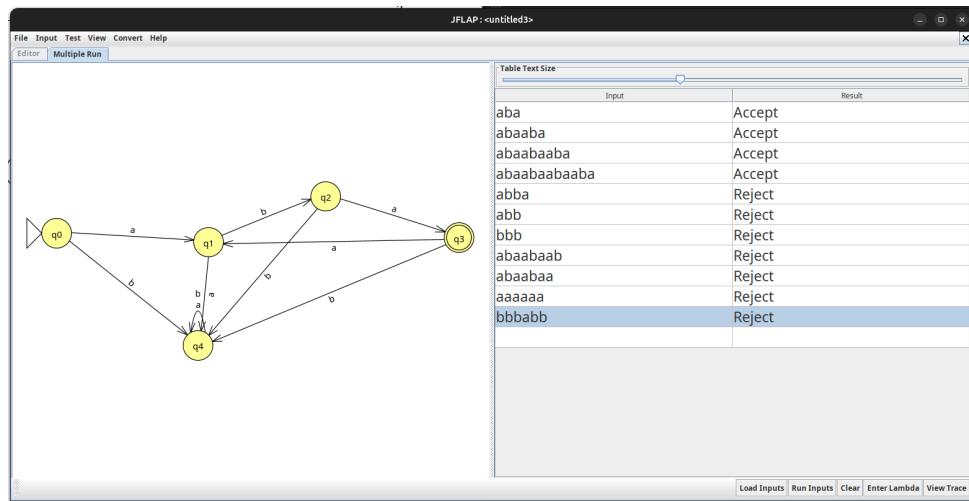
1



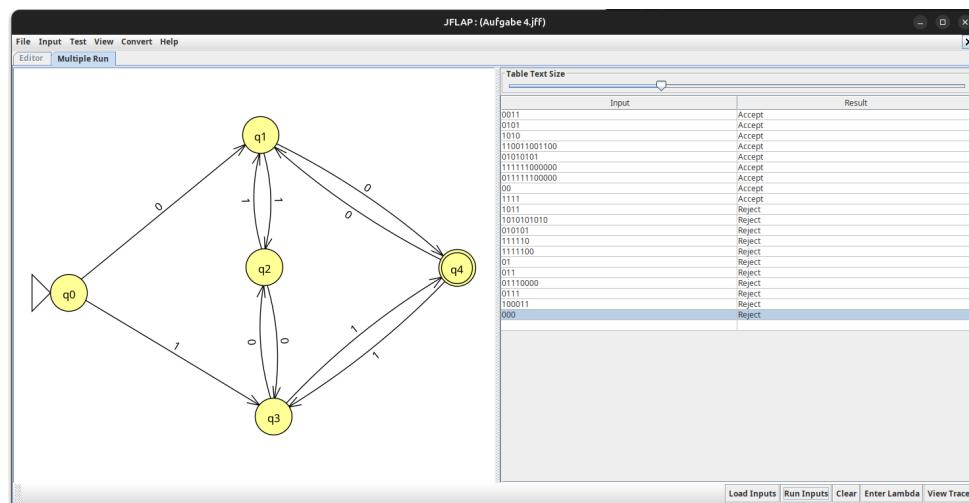
2



3

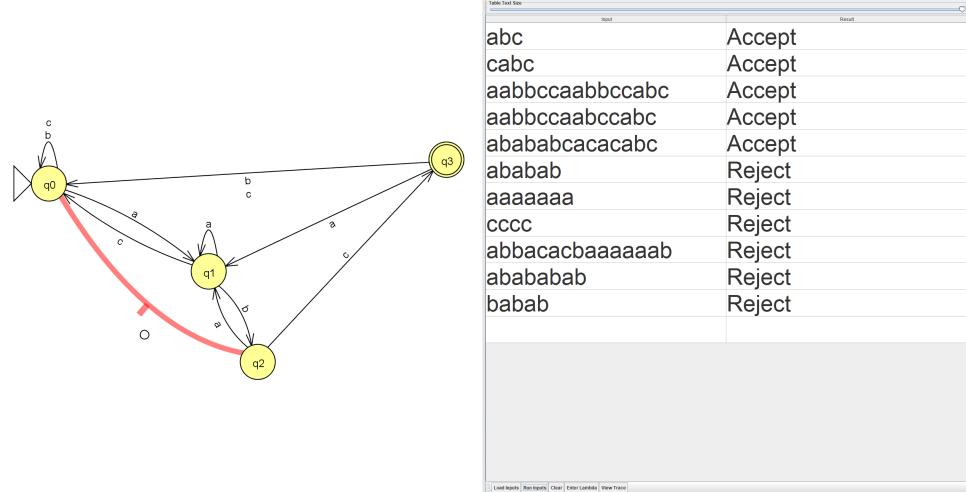


4

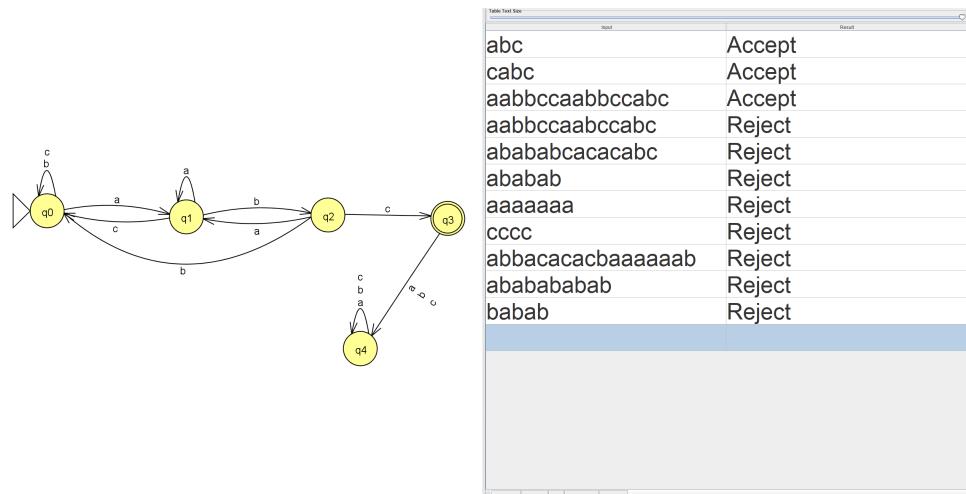


5

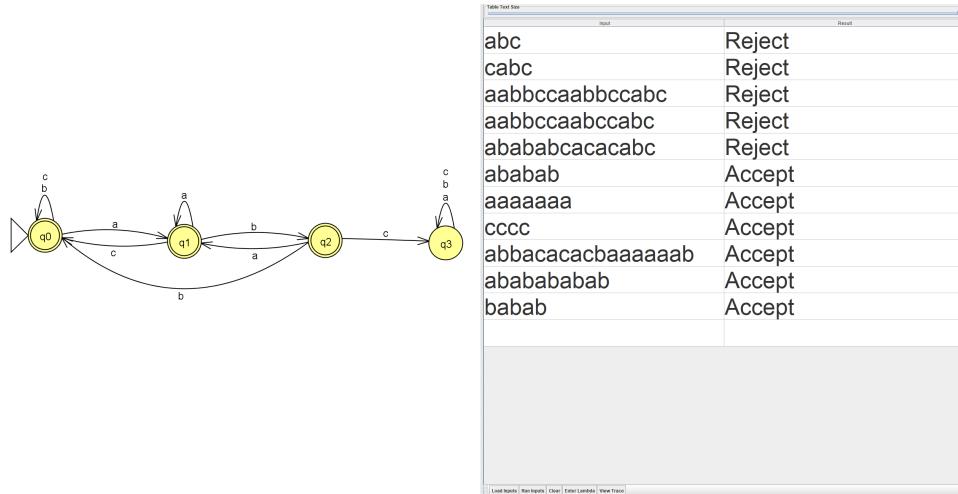
## 5.1



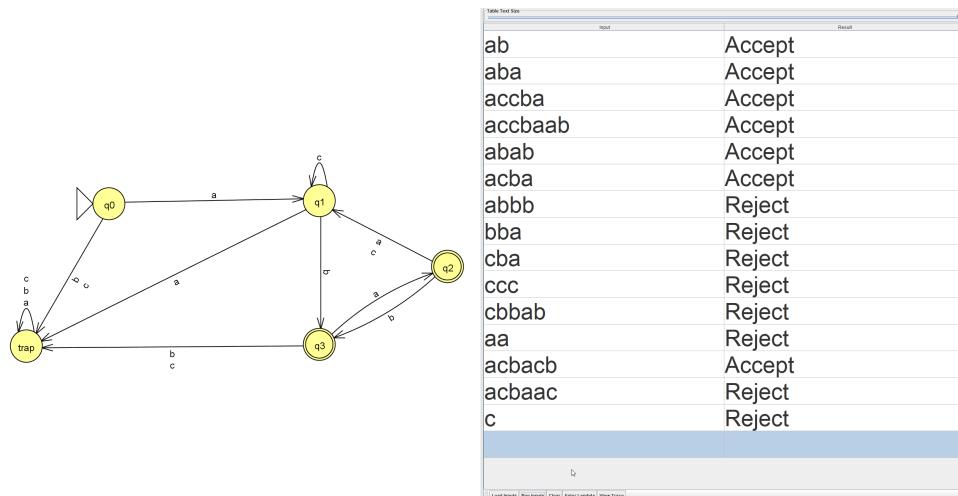
## 5.2



## 5.3



6



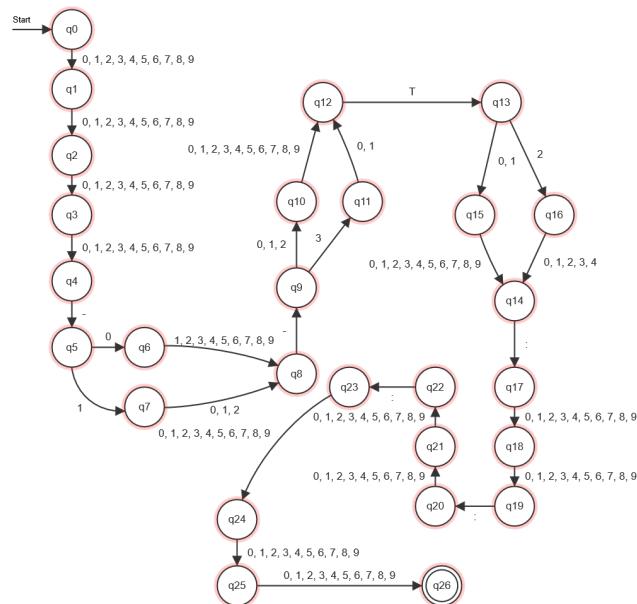
$$(ac + (c * b | c * ba)) *$$

1. 10\*
2.  $a(a|b) + a$
3.  $(aba) +$
4.  $(00|11|(01|10)(00|11) * (01|10)) *$

5. Mehrere

- a)  $(a|b|c) * abc$
- b)  $(a|(b|c) * a)(a?|c(b|c) * a) * b((a|b)(b|c) * a(a?|c(b|c) * a) * b) * c$
- c)  $((a|(b|c) * a)(a?|c(b|c) * a) * b|(a|(b|c) * a)(a?|c(b|c) * a) * b((a|b)(b|c) * a(a?|c(b|c) * a) * b) * a(a?|c(b|c) * a) * b|(a|(b|c) * a)(a?|c(b|c) * a) * b((a|b)(b|c) * a(a?|c(b|c) * a) + |(a|(b|c) * a)(a?|c(b|c) * a) * b((a|b)(b|c) * a(a?|c(b|c) * a) * b) * ((a|b)(b|c) * a(a?|c(b|c) * a) * (c|c(b|c)*)|(a|b)(b|c) * |a|b)|(b|c) |(a|(b|c) * a)(a?|c(b|c) * a) * (c|c(b|c)*))$

8



9

$(b|(ab * a(b + a+)*))a*$

**10**

Es wird nur die leere Sprache akzeptiert.