01

PDF

1

1.

 $\epsilon, a, aa, aaa, aaaa, aaaaa$

2.

aaa,aab,aba,abb,baa,bab,bba,bbb

3.

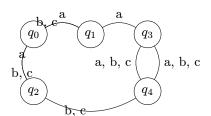
ab, aabb, aababb, aabababb

2

• • •

3

1



01_03.pdf

2.

 ϵ

 $q_0 \stackrel{\epsilon}{ o} q_0$

abab

 $q_0 \stackrel{a}{
ightarrow} q_1 \stackrel{b}{
ightarrow} q_4 \stackrel{a}{
ightarrow} q_3 \stackrel{b}{
ightarrow} q_4$

abbaa

$$q_0 \stackrel{a}{
ightarrow} q_1 \stackrel{b}{
ightarrow} q_0 \stackrel{b}{
ightarrow} q_2 \stackrel{a}{
ightarrow} q_0 \stackrel{a}{
ightarrow} q_1$$

caaa

$$q_0 \stackrel{c}{
ightarrow} q_2 \stackrel{a}{
ightarrow} q_0 \stackrel{a}{
ightarrow} q_1 \stackrel{a}{
ightarrow} q_3$$

3.

$$L(B)=\{w_1,\ldots,w_n\mid n\geq 0, w_n\in\{ab,ac,ba,ca\}\}$$

4.