

ASSIGNMENT 6

21/03/23

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REGNO : 20214272
GROUP : CS4D
TOPIC : AUTOMATA LAB
CODE : CS-14203

Q1

JFLAP : (q1.jff)

File Input Test View Convert Help

Editor Multiple Run

Table Text Size

Input	Result
aaaa	Reject
ababa	Accept
bbaaa	Accept
aaabb	Accept
aabbba	Reject
babab	Accept
aabbbba	Reject
abbba	Accept
bab	Accept
bb	Accept
a	Accept

Load Inputs Run Inputs Clear Enter Lambda View Trace

JFLAP : (q1*.jff)

File Input Test View Convert Help

Editor Multiple Run Multiple Run

Table Text Size

Input	Result
aaaa	Reject
ababa	Accept
bbaaa	Accept
aaabb	Accept
aabbba	Reject
babab	Accept
aabbbba	Reject
abbba	Accept
bab	Accept
bb	Accept
a	Accept

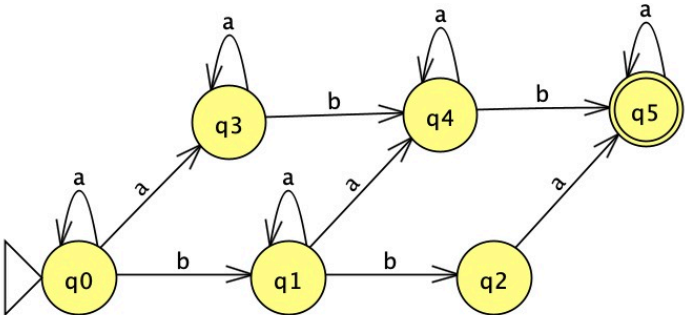
Load Inputs Run Inputs Clear Enter Lambda View Trace

Q2

JFLAP : (q2.jff)

File Input Test View Convert Help

Editor Multiple Run



```

graph LR
    q0((q0)) -- a --> q3((q3))
    q0 -- b --> q1((q1))
    q1 -- a --> q3
    q1 -- b --> q2((q2))
    q2 -- a --> q4((q4))
    q2 -- b --> q5(((q5)))
    q3 -- a --> q3
    q3 -- b --> q4
    q4 -- a --> q4
    q4 -- b --> q5
    q5 -- a --> q5
  
```

Table Text Size

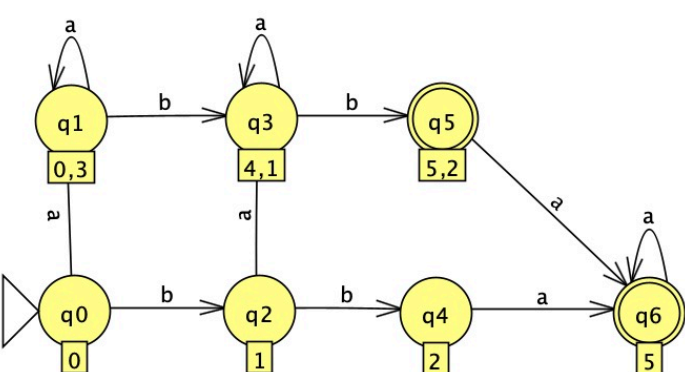
Input	Result
aaaa	Reject
ababa	Accept
bbaaa	Accept
aaabb	Accept
aabbba	Accept
babab	Reject
aabbbba	Reject
abbba	Reject
bab	Accept
bb	Reject
a	Reject

Load Inputs Run Inputs Clear Enter Lambda View Trace

JFLAP : <untitled6>

File Input Test View Convert Help

Editor Multiple Run



```

graph LR
    q0((q0)) -- a --> q1((q1))
    q0 -- b --> q2((q2))
    q1 -- a --> q3((q3))
    q1 -- b --> q5(((q5)))
    q2 -- a --> q3
    q2 -- b --> q4((q4))
    q3 -- a --> q3
    q3 -- b --> q5
    q4 -- a --> q6(((q6)))
    q5 -- a --> q6
    q6 -- a --> q6
  
```

Table Text Size

Input	Result
aaaa	Reject
ababa	Accept
bbaaa	Accept
aaabb	Accept
aabbba	Accept
babab	Reject
aabbbba	Reject
abbba	Reject
bab	Accept
bb	Reject
a	Reject

Load Inputs Run Inputs Clear Enter Lambda View Trace

Q3

JFLAP : (q3.jff)

File Input Test View Convert Help

Editor Multiple Run

Table Text Size

```
graph LR; q0((q0)) -- a --> q4((q4)); q0 -- b --> q1((q1)); q4 -- a --> q8((q8)); q4 -- b --> q5((q5)); q8 -- a --> q11(((q11))); q8 -- b --> q9((q9)); q1 -- a --> q5; q1 -- b --> q2((q2)); q5 -- a --> q9; q5 -- b --> q6((q6)); q2 -- a --> q6; q2 -- b --> q3((q3)); q6 -- a --> q10((q10)); q6 -- b --> q7((q7)); q3 -- a --> q7; q3 -- b --> q11; q7 -- a --> q11; q7 -- b --> q11; q9 -- a --> q11; q9 -- b --> q10; q10 -- a --> q11; q10 -- b --> q11;
```

Input	Result
aaaa	Reject
ababa	Reject
bbaaa	Reject
aaabb	Reject
aabbba	Reject
babab	Accept
aabbbba	Reject
abbba	Accept
bab	Reject
bb	Reject
a	Reject

Load Inputs Run Inputs Clear Enter Lambda View Trace