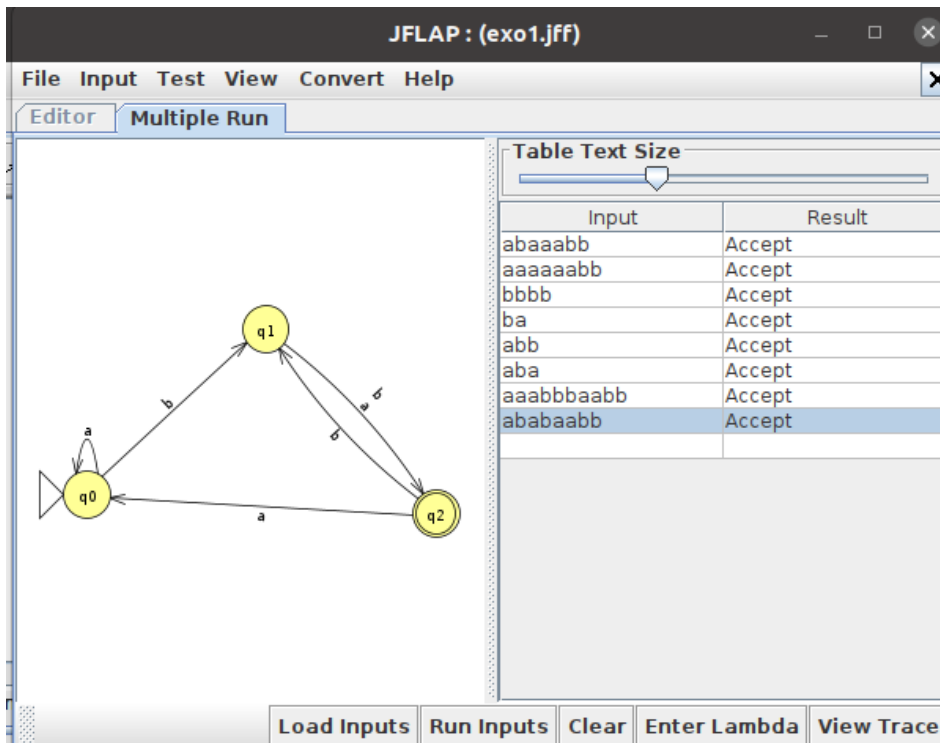


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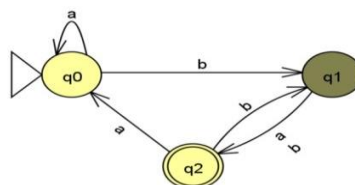
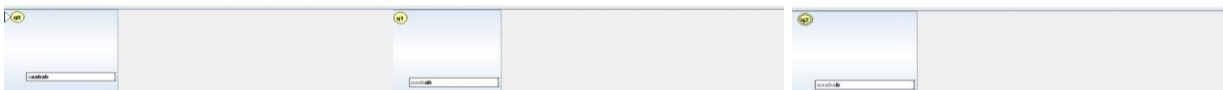
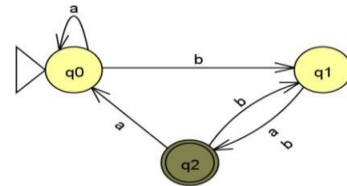
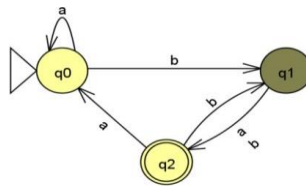
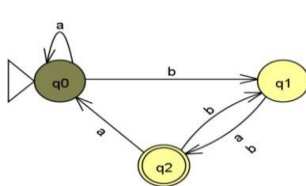
LU2IN005 : TME JFLAP

Exercice1 :



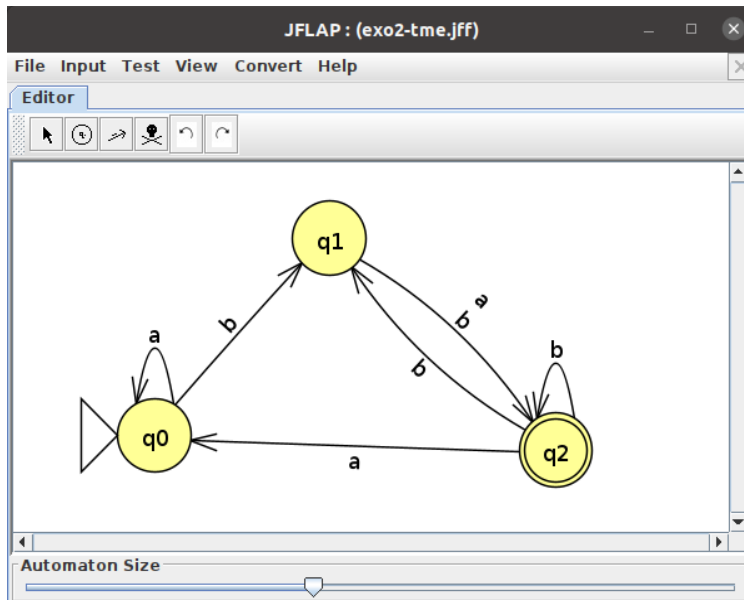
exemple de Rejet pour l'exo 1 :

le mot choisi est « aaabab »



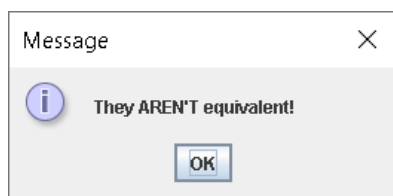
Exercice2 :

Q1.



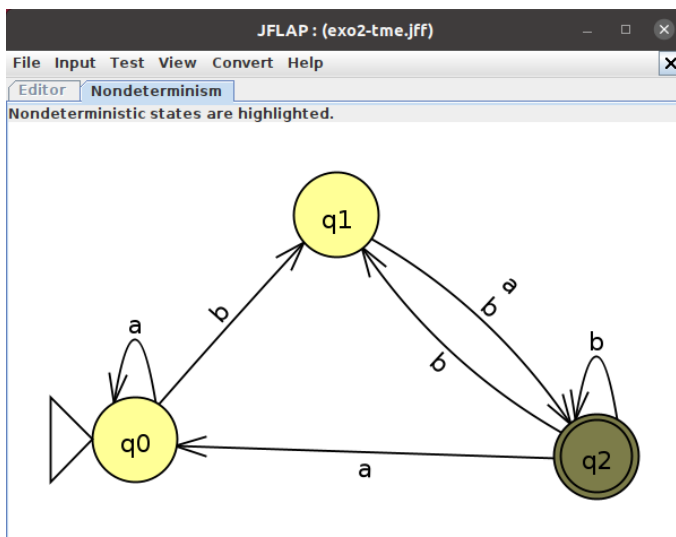
Création de l'automate B en ajoutant la transition 2.b=b à A

Q2.



Les automates A et B ne sont pas équivalents.

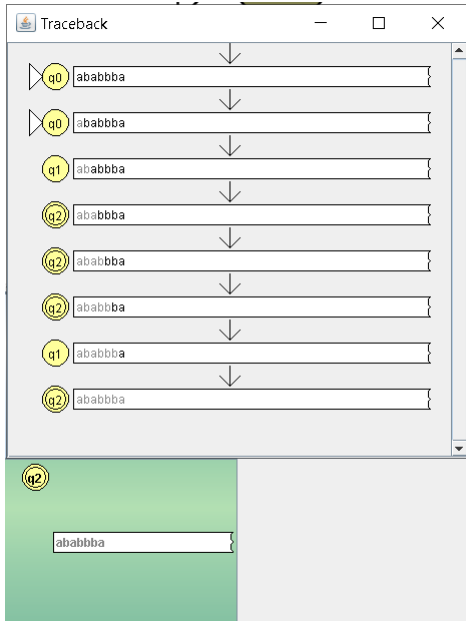
Q3



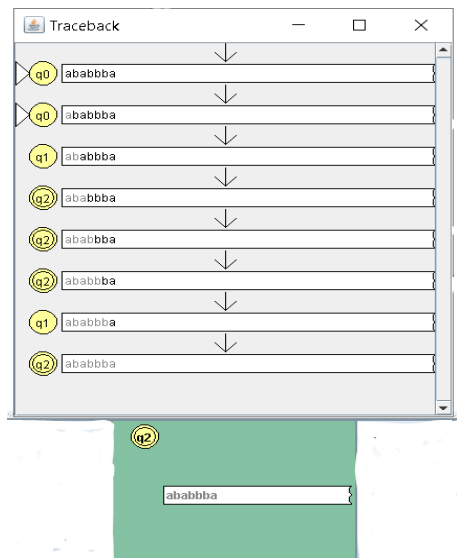
L'automate B n'est pas déterministe.

Q4.

Voici les 5 configurations possibles :
configuration 1 :



Configuration 2 :

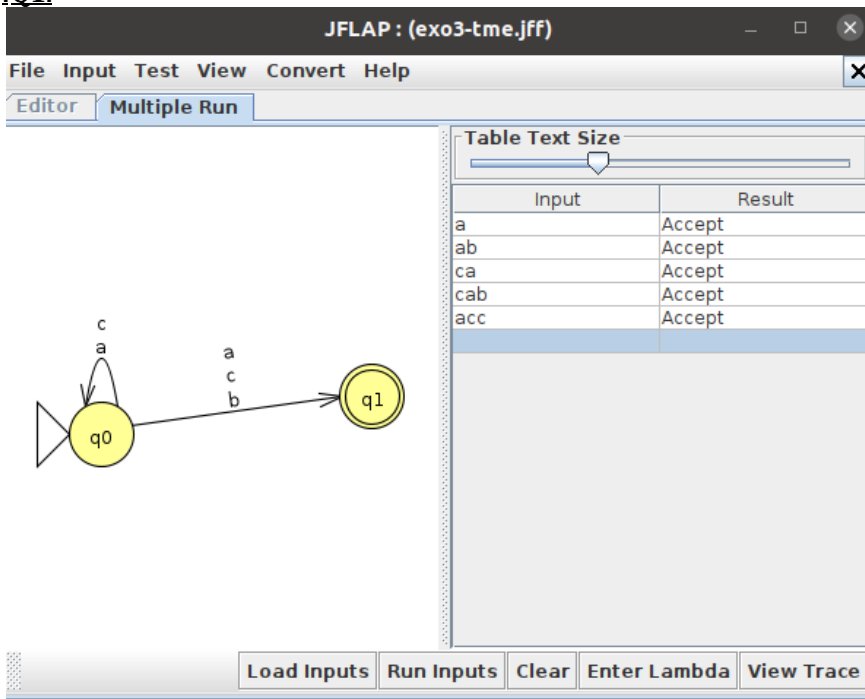


Configurations 3-4-5 (rejetées) :



Exercise 3

:Q1.

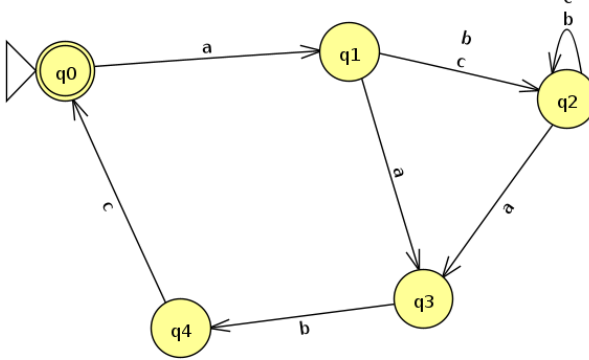


Q2.

JFLAP : (exo3.2-tme.jff)

File Input Test View Convert Help

Editor Multiple Run



```

graph LR
    q0((q0)) -- a --> q1((q1))
    q1 -- b --> q2((q2))
    q1 -- c --> q2
    q2 -- c --> q2
    q2 -- a --> q3((q3))
    q3 -- b --> q4((q4))
    q4 -- c --> q0
    style q0 fill:#ffff00,stroke:#333,stroke-width:1px
    style q1 fill:#ffff00,stroke:#333,stroke-width:1px
    style q2 fill:#ffff00,stroke:#333,stroke-width:1px
    style q3 fill:#ffff00,stroke:#333,stroke-width:1px
    style q4 fill:#ffff00,stroke:#333,stroke-width:1px
    
```

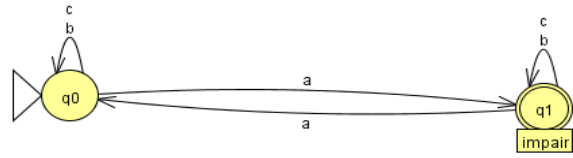
Table Text Size

Input	Result
aabc	Accept
abbbabc	Accept
accccab	Accept
abcbcbcbcab	Accept
ababc	Accept
abcabc	Accept
acabc	Accept
aabcaabcaabc	Accept
aabcabbbbabcaabc	Accept

Load Inputs Run Inputs Clear Enter Lambda View Tr

Q3.

Editor Multiple Run



```

graph LR
    q0((q0)) -- a --> q1((q1))
    q1 -- a --> q0
    q0 -- c --> q0
    q0 -- b --> q0
    q1 -- c --> q1
    q1 -- b --> q1
    style q0 fill:#ffff00,stroke:#333,stroke-width:1px
    style q1 fill:#ffff00,stroke:#333,stroke-width:1px,stroke-dasharray: 5 5
    
```

Table Text Size

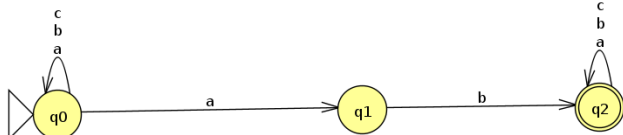
Input	Result
aabc	Reject
ababc	Reject
acabc	Reject
acbab	Reject
abbccabccabbab	Reject
abc	Accept
a	Accept
acbcba	Reject
abbc	Accept
aaaaaaaaa	Reject
abbbbababacacab	Accept
acccbabaccacb	Reject
abbbbaaab	Reject
abba	Reject
ccacaca	Accept

Q4.

JFLAP : (exo3.4-tme.jff)

File Input Test View Convert Help

Editor Multiple Run



```

graph LR
    start(( )) --> q0((q0))
    q0 -- a --> q1((q1))
    q1 -- b --> q2(((q2)))
    q0 -- a --> q0
    q0 -- b --> q0
    q2 -- a --> q2
    q2 -- b --> q2
  
```

Table Text Size

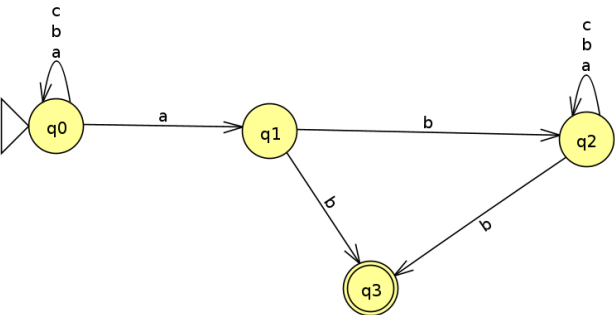
Input	Result
abb	Accept
cacab	Accept
ccbcabcbcb	Accept
abab	Accept
cbbcabcabccbca	Accept
bcbcbabcbcbcb	Accept
cbcbcabcbcbcb	Accept
cbcbcbcbcbcbbbc...	Reject

Q5.

JFLAP : (exo3.5-tme.jff)

File Input Test View Convert Help

Editor Multiple Run



```

graph TD
    start(( )) --> q0(((q0)))
    q0 -- a --> q1((q1))
    q1 -- b --> q2(((q2)))
    q1 -- b --> q3(((q3)))
    q2 -- a --> q2
    q2 -- b --> q3
    q3 -- a --> q3
    q3 -- b --> q3
  
```

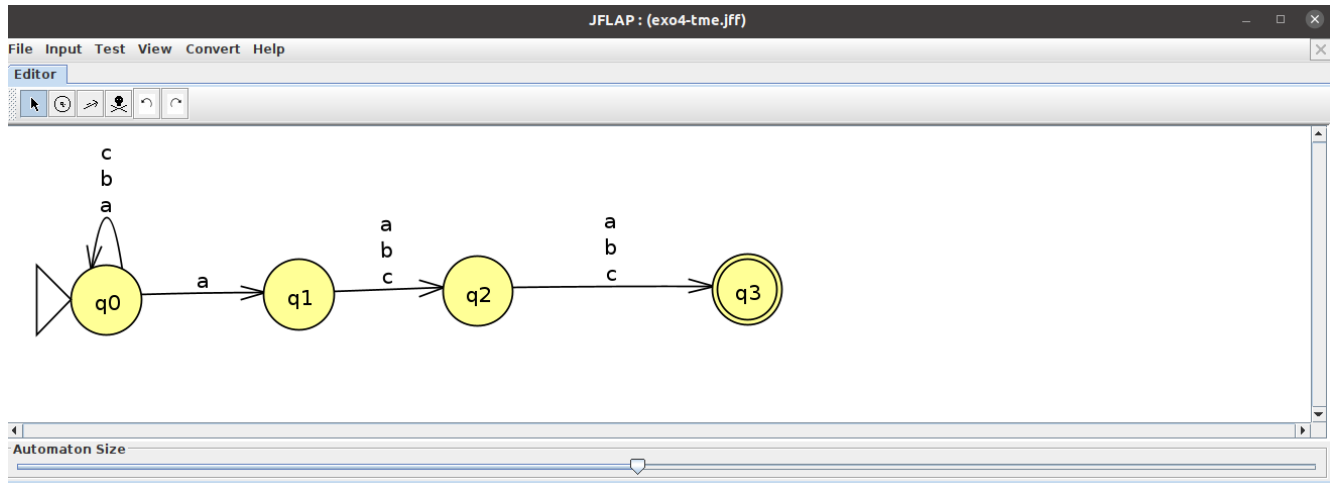
Table Text Size

Input	Result
bcbcbcbabb	Accept
bcbcbcbcbcabbbcbcb...	Accept
abb	Accept
ab	Accept
aaaaaab	Accept
cccaaabbb	Accept
cccaab	Accept
acbacbab	Accept
bcbcbcbcbcbcbcb	Reject
aba	Reject
abcccb	Accept
ccccab	Accept

Exercise 4

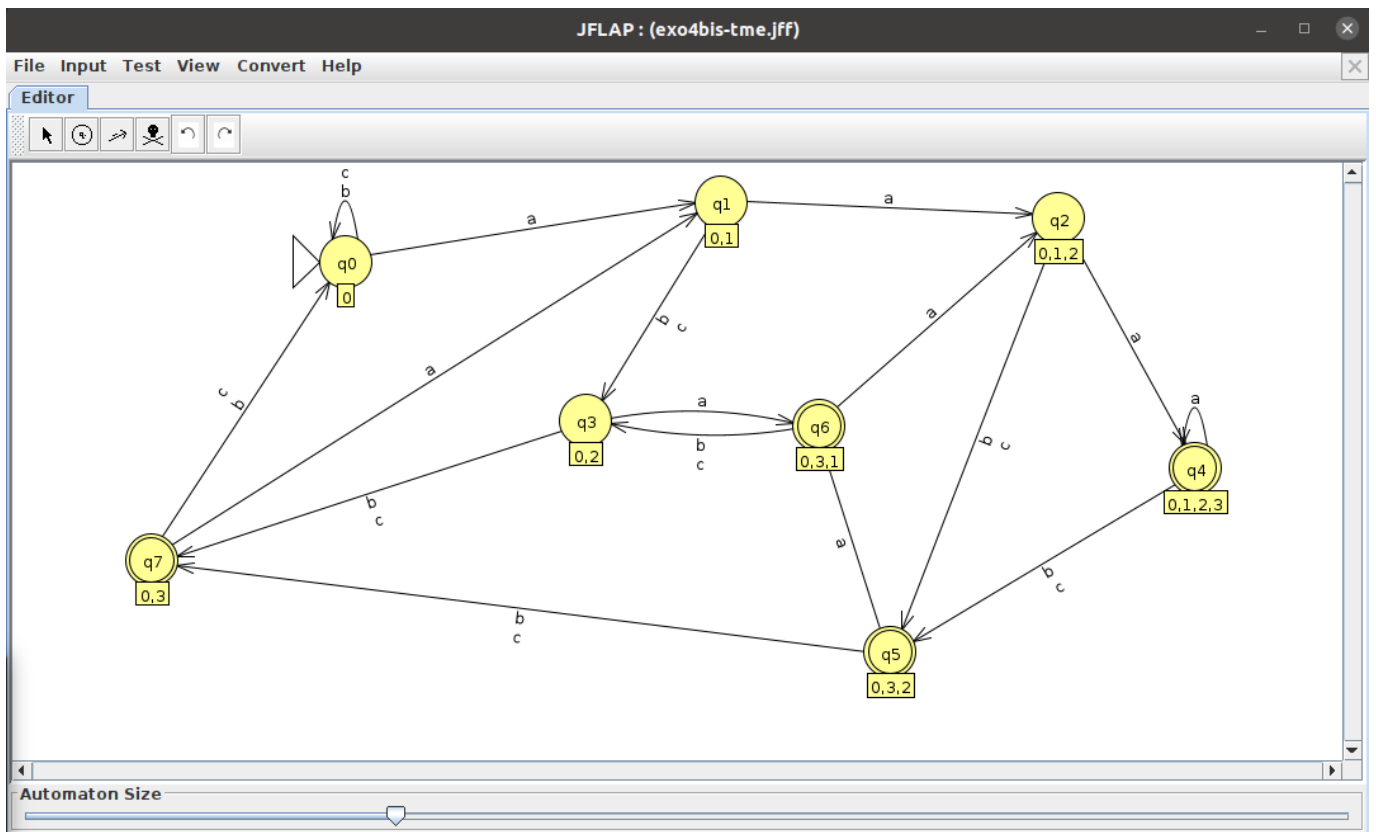
:Q1.

Automate A :

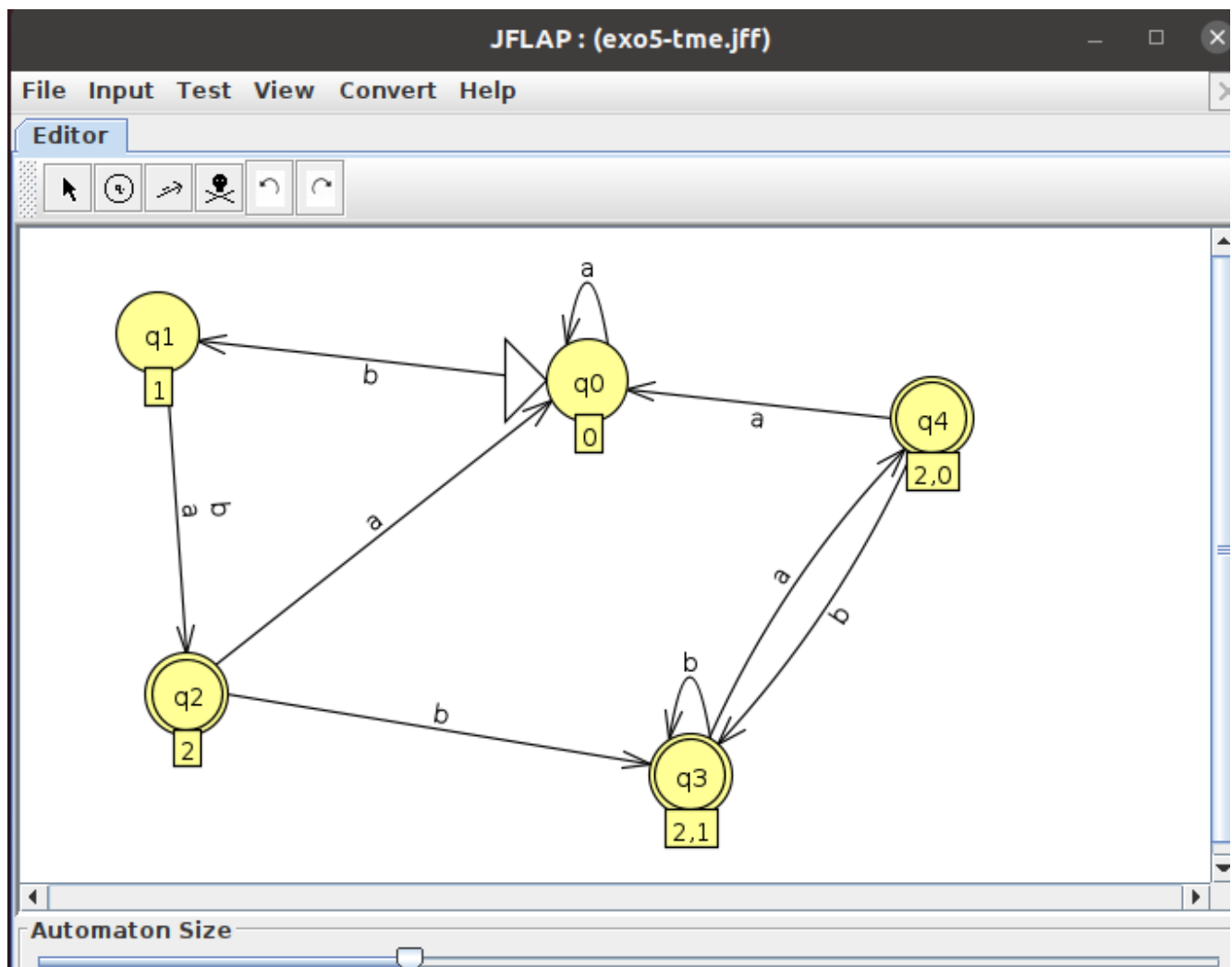


A n'est pas déterministe.

A' ci-dessous est déterministe.



Exercise 5 :



Exercise 6 :

Les automates non déterministes sont le 1,4 et 5.

