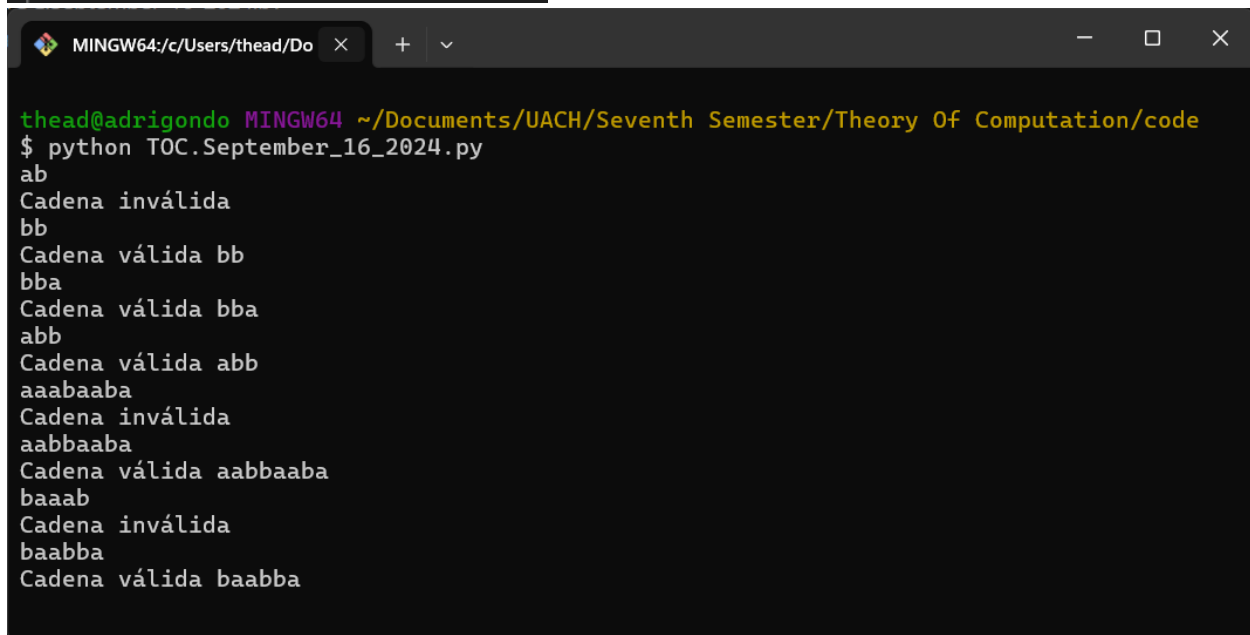


Para el automata A

```
def automaton():  
    states = [  
        [0, 1, 3], # 0  
        [0, 2, 3], # 1  
        [2, 2, 3], # 2  
        [3, 3, 3], # 3  
    ]  
    finals = [2]
```

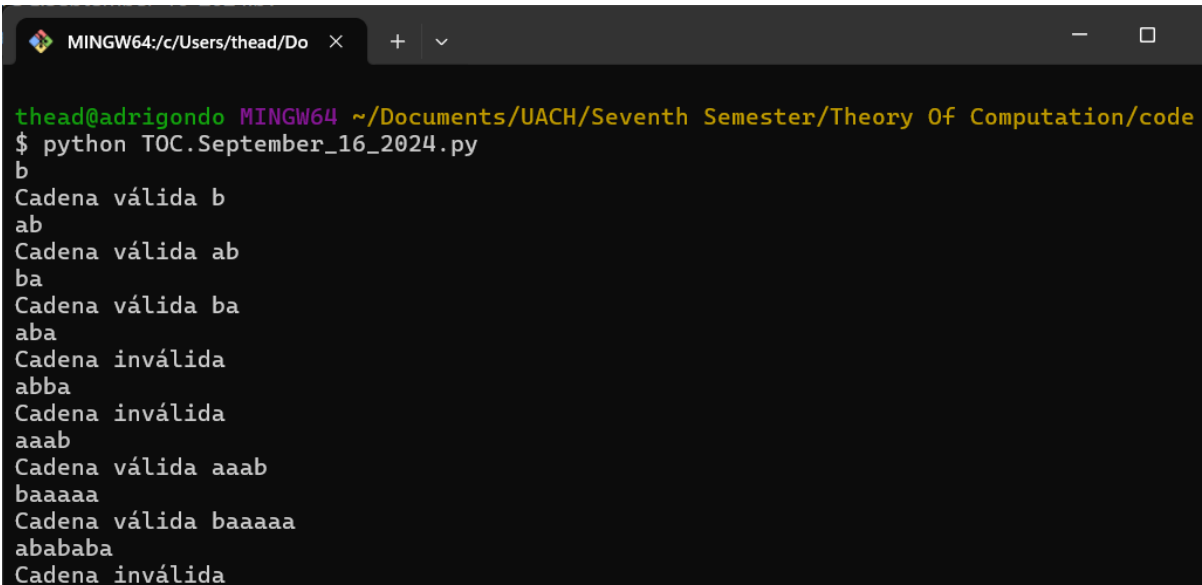


A terminal window titled 'MINGW64: c/Users/thead/Do' showing the execution of a Python script. The prompt is 'thead@adrigondo MINGW64 ~/Documents/UACH/Seventh Semester/Theory Of Computation/code'. The command executed is '\$ python TOC.September_16_2024.py'. The output shows a series of inputs and their corresponding validity status: 'ab' is 'Cadena inválida', 'bb' is 'Cadena válida bb', 'bba' is 'Cadena válida bba', 'abb' is 'Cadena válida abb', 'aaabaaba' is 'Cadena inválida', 'aabbaaba' is 'Cadena válida aabbaaba', 'baaab' is 'Cadena inválida', 'baabba' is 'Cadena válida baabba'.

```
thead@adrigondo MINGW64 ~/Documents/UACH/Seventh Semester/Theory Of Computation/code  
$ python TOC.September_16_2024.py  
ab  
Cadena inválida  
bb  
Cadena válida bb  
bba  
Cadena válida bba  
abb  
Cadena válida abb  
aaabaaba  
Cadena inválida  
aabbaaba  
Cadena válida aabbaaba  
baaab  
Cadena inválida  
baabba  
Cadena válida baabba
```

Para el automata B

```
def automaton():  
    states = [  
        [2, 1, 4], # 0  
        [1, 1, 4], # 1  
        [2, 3, 4], # 2  
        [2, 3, 4], # 3  
        [4, 4, 4], # 4  
    ]  
    finals = [1, 3]
```



A terminal window titled 'MINGW64:/c/Users/thead/Do' shows the execution of a Python script. The prompt is 'thead@adrigondo MINGW64 ~/Documents/UACH/Seventh Semester/Theory Of Computation/code'. The command '\$ python TOC.September_16_2024.py' is entered. The output shows a series of inputs and their corresponding validity status: 'b' is 'Cadena válida', 'ab' is 'Cadena válida', 'ba' is 'Cadena válida', 'aba' is 'Cadena inválida', 'abba' is 'Cadena inválida', 'aaab' is 'Cadena válida', 'baaaaa' is 'Cadena válida', and 'abababa' is 'Cadena inválida'.

```
thead@adrigondo MINGW64 ~/Documents/UACH/Seventh Semester/Theory Of Computation/code  
$ python TOC.September_16_2024.py  
b  
Cadena válida b  
ab  
Cadena válida ab  
ba  
Cadena válida ba  
aba  
Cadena inválida  
abba  
Cadena inválida  
aaab  
Cadena válida aaab  
baaaaa  
Cadena válida baaaaa  
abababa  
Cadena inválida
```