

[RazvanPtS/flcd \(github.com\)](https://github.com/RazvanPtS/flcd)

```
FA =  
"M=("allStates","alphabet","transitions","initialStates","finalStates")"  
allStates = elementList  
alphabet = elementList  
transitions = "{"transition{","transition}"}"  
transition = "("string","string")->"string"  
initialStates = elementList  
finalStates = elementList  
elementList = "{"string{","string}"}"  
string = ""char{char}""  
char = "a" | "b" | ... | "z" | "A" | "B" | ... | "Z"
```

Code : recursively parse for each state all states in which we can go next and return true if we parsed the given string or false if the current character is not in the alphabet or if the chosen states did not arrive to a final state