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CS3B

LBA\_Example.cpp output:

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PS C:\Users\Hyuse\Desktop\Automata Simulations\LinearBoundedAutomaton> .\LBA_Example.exe
--- LBA Language Recognizer (a^n b^n c^n) ---
This LBA machine checks if the input string is of the form a^n b^n c^n.

Input how many test cases you want to run: 3

Input any string composed of the characters 'a', 'b', and 'c', in that specific order to check if that string belongs and is accepted by the language.
String: aabccc
Testing 'aabccc': Accepted

Input any string composed of the characters 'a', 'b', and 'c', in that specific order to check if that string belongs and is accepted by the language.
String:
Testing '': Rejected

Input any string composed of the characters 'a', 'b', and 'c', in that specific order to check if that string belongs and is accepted by the language.
String: abcc
Testing 'abcc': Rejected
```