





Backtracking

ALGORITHMICS

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Password generator



➤ Some of the 10 most used passwords today: 123456, password, qwerty ⊗



- Let's help with it and create a password generator with the following features:
 - The password should have n characters
 - Two vowels can appear one after the other only if they are different
 - There cannot be three vowels or three consonants consecutively in a password
 - There is a set of consonant pairs that may appear in a password
 - The last characters should be punctuation marks or numbers (non-alphabetic characters)

26-Mar-25

Input and Output



- Example of input: PasswordGenerator 15 2 9 consonant pairs.txt
- Where:
 - The first number is the total number of characters of the password
 - The second number is the number of non-alphabetic characters with which the password ends
 - The third number is the number of passwords we want to generate

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Example of output: 1: hofiveyagajac05
2: lojuedimumeva 9
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3: raiqoloaradla0_

4: zowuveclifoaf.7

5: siziovainoque48

6: fuyevuizeyeul7,

7: aviqoluqixenu00

8: pionuvocavion-,

9: floujatuflelu33

backtracking()?
 valid()?