

gorithmy Planning/me)

Weight: 1

旨

6

Projects(/projects/current)

Project over - took place from Jul 8, 2024 6:00 AM to Jul 12, 2024 6:00 AM

An auto **CPA** i Previebres al upalme that the flow or lieue tions / to review)

? Evaluation quizzes(/dashboards/my current evaluation quizzes) In a nutshell...

Auto QA review: 12.0/12 mandatory

Altogether: 100.0%

Curriculums/dashagards/my_curriculums)

Optional: no optional tasks

Concepts(/concepts)

🏂 r this projectey we wild near this hinder as an idea of the part of the pa devise a solution that efficiently calculates the minimum number of operations to achieve a given number of characters using only "Copy All" and "Paste" operations. Here is a list of concepts and sourcesentvetred/ilsbevbestoful:

Concepts Needed: Sandboxes(/user_containers/current)

1. Dynamic Programming:

Tools and the problem into simpler tools and the problem into simpler tools and the problem into simpler subproblems and building up the solution.

Dynamic Programming (GeeksforGeeks) (/rltoken/l3JYgicNQw2Ue1Kg9jV80Q)

2. Prime Fast origation/dashboards/videos)

- Understanding how to perform prime factorization is crucial since the problem can be reduced to finding the sum of the prime factors of the target number in .
- Prime Factorization (Khan Academy) (/rltoken/cFcADpVYRCl5pdut-Lemmg)

3. Core (Gloward Edition:S)

- o Knowing how to approach problems from an optimization perspective can be useful in Disconding the mast of the mass of the mas
 - How to optimize Python code (/rltoken/98ZF5bRckUKror6pGJQlHQ)

4. Greedy Algorithms:

The problem can also be approached with greedy algorithms, choosing the best option at

My Greety Algerithms (GreeksforGeeks) (/rltoken/k6-mba0b4nayJi0VqYhKjQ)

5. Basic Python Programming:









 Proficiency in Python, including loops, conditionals, and functions, is necessary to implement the solution.

Python Functions (Python Official Documentation) (/rltoken/ao3SJVl4yY1SfugfVa3anw)

By studying these concepts and utilizing the resources provided, you will be equipped to tackle the Minimum Operations" problem effectively, applying both mathematical reasoning and programming skills to find the most efficient solution.

Additional Resources



Mock Technical Interview (/rltoken/HX0vuVI1V-9T4vvh8NDCyw) Projects(/projects/current)

Requirements

QA Reviews I can make(/corrections/to review)

General

- Allewandandinogsizyes (/dashborands/my current evaluation quizzes)
 - All your files will be interpreted/compiled on Ubuntu 20.04 LTS using python3 (version 3.4.3)
 - All your files should end with a new line
 - The first line of all your files should be exactly #!/usr/bin/python3



- A CEANCE unds (Washibharcos/hof the foldernos) the project, is mandatory
 - Your code should be documented
 - Your code should use the PEP 8 style (version 1.7.x)



AIFORF PRESUMBLE BETENECUTABLE



Conference rooms(/dashboards/video_rooms)

ESKServers(/servers)

0. Minimum Operations

mandatory

Sandboxes(/user_containers/current)

Score: 100.0% (Checks completed: 100.0%)

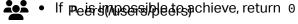


Tools(/dashboards/my tools)

In a text file, there is a single character H. Your text editor can execute only two operations in this file:

Copy All and Paste. Given a number n, write a method that calculates the fewest number of Video on demand(/dashboards/videos)
perations needed to result in exactly n H characters in the file.

- Prototype: def minOperations(n)
- Returns an integer



Example:



= 9 Discord(https://discord.com/app)

H => Copy All => Paste => HH => Paste => HHH => Copy All => Paste => HHHHHHH => Past => НННННННН

Number of operations: 6

My Profile(/users/my_profile)

```
carrie@ubuntu:~/0x02-minoperations$ cat 0-main.py
   #!/usr/bin/python3
   " "(7)
   Main file for testing
          Home(/)
   minOperations = __import__('0-minoperations').minOperations
 n = 4 My Planning(/planning/me)
   print("Min # of operations to reach {} char: {}".format(n, minOperations(n)))
n = 12rojects(/projects/current)
   print("Min # of operations to reach {} char: {}".format(n, minOperations(n)))
  /carrie@AlReviews/loan2make/penæctions9to review)
 ? carrie@ubuntu:~/0x02-minoperations$ /0-main.py
Evaluation quizzes(/dashboards/my_current_evaluation_quizzes)
Min number of operations to reach 4 characters: 4
   Min number of operations to reach 12 characters: 7
   carrie@ubuntu:~/0x02-minoperations$
Curriculums(/dashboards/my_curriculums)
 Repo:
GiffRINS PERSONNERS - interview
     • Directory: 0x02-minimum_operations
        File: 0-minoperations.py
Conference rooms(/dashboards/video_rooms)
Check submission View results Servers (/servers)
          Sandboxes(/user_containers/current)
          Tools(/dashboards/my tools)
                                                                             Copyright © 2024 ALX, All rights reserved.
用
          Video on demand(/dashboards/videos)
          Peers(/users/peers)
          Discord(https://discord.com/app)
```