

<https://www.1point3acres.com/bbs/thread-543696-1-1.html>

查看: 1165 | 回复: 13

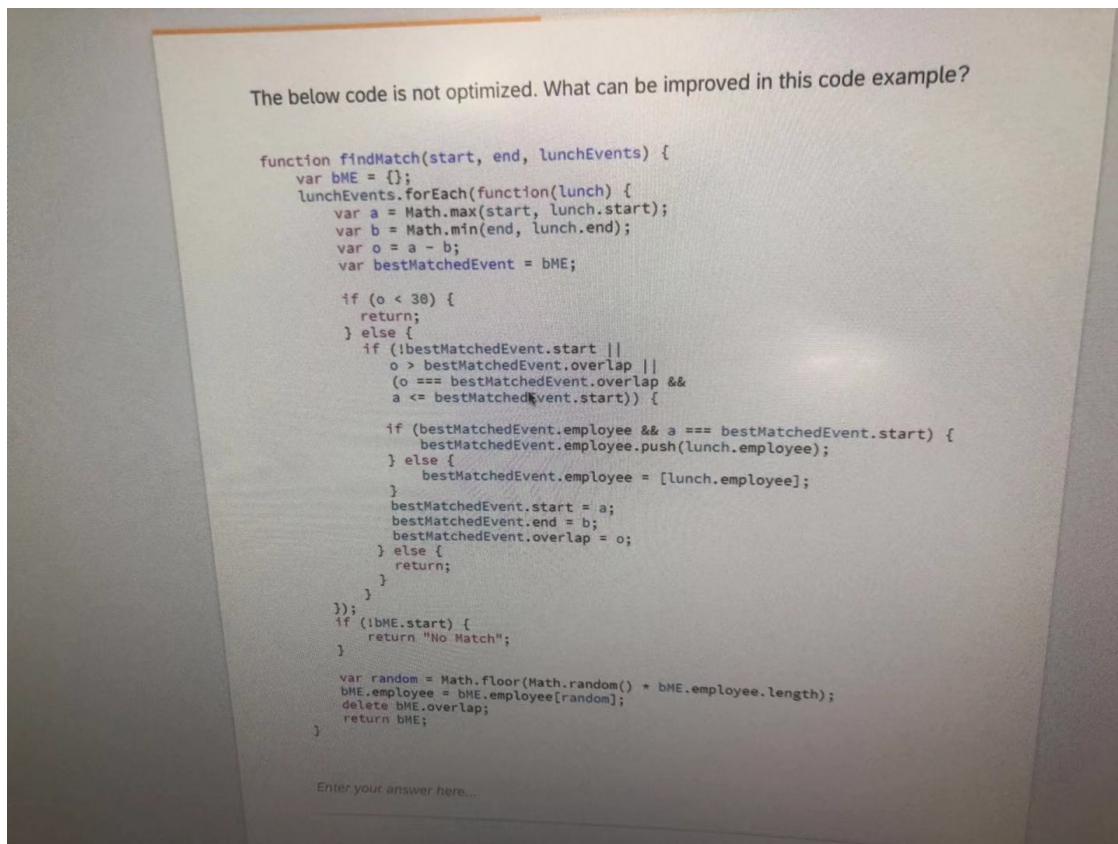
[面试经验] SAP S

uwn73d8g 2019-8-17

2020(7-9月) 马农类Gen
一共60分钟, 除了最J

我的人缘 0

JavaScript improve:



Brilliant bingo is a game invented by a team of brilliant people in SAP. The rules are simple, everyone playing the game gets a random number in the range 1 to 9999 and in each round of the game the players have to multiply their number with the round number. The game stops when a player gets all the digits from 0 to 9 in all the rounds that they have played combined and it's a brilliant bingo.

Write a program that takes a random number as input and prints the number of rounds it would take to win brilliant bingo with that number.

Input

Single line with the integer less than 9999.

Output ↴

Number of rounds to hit the Bingo.

Limits: Time limit is 10 seconds per test case and memory limit is 128MB.

Let's say Nikki is playing the game and gets the random number 7892 then it will take Nikki 5 rounds to get all the number digits 0 to 9.

Round 1: $7892 * 1 = 7892$

Round 2: $7892 * 2 = 15784$

Round 3: $7892 * 3 = 23676$

Round 4: $7892 * 4 = 31568$

Round 5: $7892 * 5 = 39460$

Test case Input 1:

7892

Output:

5

Test case Input 2:

8701

Output:

7

Test case 1

```
1  
1  
.**...*  
.....*  
*.*.***
```

Output:

FALSE

(Case examples in image)

Case 1: X = 4, Y = 3, H = 2, V = 2 and '*' indicates seeds have grown in to a flower and '.' indicates absence of a flower in the cell. Number of students is $(H+1)*(V+1) = 9$. Here, equal distribution of flowers is possible. (Note: horizontal and vertical lines are shown in red)

*	.	*	*
*	*	.	*
*	.	*	*

Test case Input:

```
2  
2  
.**  
**.  
.**
```

Test case Output:
TRUE

Case 2: X = 3, Y = 4, H = 1, V = 1 and '*' indicates seeds have grown in to a flower and '.' indicates absence of a flower in the cell. Number of students will be $(H+1)*(V+1) = 4$. Here, equal distribution of flowers is not possible.

*	*	*
.	.	*
*	.	.
*	*	*

Test case Input:

```
1  
1  
***  
.**  
.**  
***
```

Test case Output:
FALSE

Java (OpenJDK 9)

LG

What is time complexity of foo()?

```
Int foo(int n) {  
  
    int total = 0;  
  
    for (int l = n; l > 0; l /= 2)  
        for (int j = 0; j < l; j++)  
            total += 1;  
  
    return total;  
}
```

- $O(n^2)$
- $O(n)$
- $O(n \log n)$
- $O(n \log n \log n)$

<https://www.1point3acres.com/bbs/thread-550327-1-1.html>

查看: 69 | 回复: 2

[面试经验] sap SVN



志凡无忧 1 小时前 | ⚙

2019(7-9月) 码农类General
新出炉的SAP SVNT OA。

2019.9.15

1. MySQL Improve 【sql好像是full outer join的问题，我感觉应该用left。】
2. Num 0-9
3. Flower
4. Sort in memory

<https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=550283>

查看: 76 | 回复: 4

[面试经验] SAP OA



快乐源泉虎东东 4 小时前 | ⚙

2019(7-9月) 码农类General
拖了一周的SAP OA。

2019.9.15

1. JavaScript Improve
2. Flower
3. Integer -> Pattern
4. Complexity of foo()

<https://www.1point3acres.com/bbs/thread-550201-1-1.html>

发帖 · 回复

查看: 55 | 回复: 0

[面试经验] SAP SVNT 2020 OA [复制链接]

leaveindec 2 小时前 | 只看该作者 | 只看大图 ▶

2019(7-9月) 码农类General 硕士 合同工@SAP · 网上
和地里之前的面经差不多, 谢谢各位的帮助

我的人缘 0

2019.9.15

Q1: JS优化, 不太会, 多亏抱了同学大腿

Q2: 输入一个数字, 输出 (打印) 一个按照奇怪规则定义的矩阵, 和地里之前的题目一样

Q3: Decode一个仅由两个质数相乘的密码, 有点复杂

Q4: 10000个数字在内存只能放1000个数字的计算机中如何排序: bubble sort / selection sort / heap sort / merge sort

Write a program to print the below pattern using an optimal solution.

Input

Single line integer input < 100.

Output

Desired pattern. **Note: There is a single space between all the numbers in the pattern and there is no space at the start or at the end of each line. There is no empty line in between two rows.**

Limits: Time limit is 10 seconds per test case and memory limit is 128MB.

Test case Input 1:

3

Output:

3 3 3

3 1 3

3 2 3

3 3 3

Test case Input 2:

4

Output:

4 4 4 4

4 4 1 4

4 4 2 4

4 4 3 4

4 4 4 4

查看: 2745 | 回复: 34

[面试经验] SAP SVNT 2020 OA



lyushouting 2019-7-29 03:03:32 | 只看该作者

2019(7-9月) 码农类General 硕士 全职@SAP
最近收到了SAP的2020 spring入职的60r

有Onsite

Q1: Integer -> Pattern

Q2: Decode

【给定一个integer n, 和一个字符串, 这个是用n以下的未知的26个质数encode的一段信息encode的方法是: A - 53 B- 59 encode(letter) = prime(letter) * prime(letter + 1)

题目输出decode这段信息 3127 -> A】

encoding的质数是小于N的26个质数, 没说连续, 也没说从谁开始。

所以需要通过给予的message 来逆向的寻找质数组合。。。当然这是我的理解
例子是这么给的

Input

n = 200

Message = 3127, num2, num3, ..

Output: A, Letter2, Letter3

<https://www.1point3acres.com/bbs/thread-544576-1-1.html>

查看: 812 | 回复: 8

[面试经验] SAP SVNT OA [复制链接]



艾利克斯 2019-8-22 06:55:43 | 只看该作者

2019(7-9月) 码农类General 硕士 全职@SAP

以下内容需要积分高于 200 您已经可以浏览

JavaScript Improve

Integer -> Pattern

Decode 【有部分思路】

Complexity of foo()

15 year old Tom and his twin sister often use encoded messages to communicate with each other when the parents are around.

Write a program that would help the parents to decode the message communicated between Tom and his sister.

The encoding scheme:

- They choose 26 different prime numbers smaller than **N** and in an ascending order.
- They assigned each prime number in that order to each letter of the alphabet in a way that the smallest prime number is assigned to A and the largest prime number is assigned to Z.
- The message is always a 26 lettered word which contains all the letters of the English alphabet.
- It is encoded by replacing the first letter with the product of the prime numbers assigned to the first and the second letter of the message and replacing the second letter with the product of the prime numbers assigned to the second and the third letter of the message and so on ending with the product of 25th and the 26th letters for the second last letter in the message. Note, 26 letters message would always be replaced by 25 numbers separated by a space forming the encoded message.
- Example: suppose that $N = 200$ and let's say $A = 53$, $B = 61$, $C = 67$, $D = 71$, $E = 79$, $F = 83$, $G = 89$ and so on. If the message is EBC... then the encrypted code would be 4819 4087 ... ($E = 7961$ and $B = 6167$).

Input

Two lines with the first line contains an integer **N** such that all prime numbers are smaller than **N** and the next line contains an encoded message with 25 integers separated by a space.

Output

A decoded message with 26 letters word in uppercase.

Limits

Time limit: 10 seconds per test case.

Memory limit: 128MB

Test case Input:

200

26123 11929 12877 17767 14279 20567 8321 9593 11041 5429 7387 5561 4757
9017 12827 15049 15943 19153 24523 22879 17201 19673 26549 13483 10961

Output:

WSEULOTAYBGFCNDNIRKXPVJZQHM

<https://www.1point3acres.com/bbs/thread-550081-1-1.html>



JavaScript Improve

Integer -> Pattern

Decode

Complexity of foo()

<https://www.1point3acres.com/bbs/thread-550010-1-1.html>

查看: 113 | 回复: 2

[面试经验] SAP O



ice_org 昨天 03:29

2019(7-9月) 码农类Gen

Jenny owns a fertile rectangular farm land which is (X) meters wide and (Y) meters long where X and Y are integers. Imagine that the land is divided into a $X*Y$ number of square cells and every night she sows a magic seed in each cell. There is a 50% probability of a magic seed growing into a flower the next morning.

There is a school next to her farm land and in the morning a fixed number (S) of students visit her farm land to collect flowers. Jenny has to make sure that each student gets an equal number of flowers each day. To do that she draws (H) number of horizontal lines and (V) number of vertical lines on her farm land in such a way that the lines passes through the borders of the cells and does not cut them. This creates a rectangular grid and each student is instructed to collect flowers from a single grid. Here, the number of students (S) = $(H+1)*(V+1)$.

Due to the uncertain nature of the magic seeds growing into a flower, sometimes Jenny is not able to distribute flowers equally through the grids created by horizontal and vertical lines.

Write a program to determine if Jenny would be able to equally distribute the flowers.

Input

Multiple line input where line one is the value of H , line two is the value of V and the remaining lines collectively show the farm land (which is (X) meters wide and (Y) meters long) with the presence or absence of a flower in each cell. Note: '*' indicates seeds have grown in to a flower and '.' indicates absence of a flower in the cell. Number of students (S) = $(H+1)*(V+1)$. Refer case 1, 2 and 3 from the image.

©一亩三分地

"TRUE" or "FALSE" in UPPER CASE.

Limits: Time limit is 10 seconds per test case and memory limit is 128MB.

Test case Input 1:

```
2
2
*.**
**. *
*.**
```

Output:

TRUE



Test case Input 2:

```
1
1
*** 
..*
*..
***
```

Output:

FALSE

Test case Input 3:

```
1
1
*** ..*
```

@一亩三分地

<https://www.1point3acres.com/bbs/thread-549032-1-1.html>

查看: 270 | 回复: 3



[找工就业] [工作]

ztlKeanu 5 天前 |

2019(7-9月)-**MIS硕士**-
刚刚做完SVNT OA 1
遇到的是SQL优化,

MySQL Improve

Flower 【可以考虑降维来做。 分别开两个数组记录各个 row 和 col的花的个数， 然后这个题就变成了给定一个数组， 问能不能分成K个subarray使得他们的sum是相等的】

Decode **【有思路提示】**

Sort in memory **【External Sort】**

<https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=549498&extra=page%3D1%26filter%3Dtypeid%26typeid%3D35%26sortall%3D1&ordertype=1>

查看: 234 | 回复: 4



[找工就业] [工作]

PureAngel 3 天前 |

2019(7-9月)-**CS硕士**+
%

面经

<https://www.1point3acres.com/bbs/thread-548101-1-1.html>

查看: 533 | 回复: 11



[面试经验] SAP下

woshizu 2019-9-7 15

2019(7-9月) **码农类Gen**

MySQL Improve
Integer -> Pattern
Decode
Sort in memory
【有花园<大概思路>】

<https://www.1point3acres.com/bbs/thread-548467-1-1.html>



JavaScript Improve
Integer -> Pattern
Decode
Sort in memory 【给顶一个内存是10000的array,假设空间只有1000。Quicik sort, merge sort, heapsort and bubble sort那个更优】
【有花园<大概思路>】

<https://www.1point3acres.com/bbs/thread-548181-1-1.html>



MySQL Improve

{

大概是(我不太记得了):

```
SELECT name, course, *
FROM student FULL JOIN course
```

ON student.id = course.student_id
WHERE (这句忘了)
问怎么优化，我记得where这句好像不需要。

}

Integer -> Pattern

Decode

Complexity of foo() ----- O(N)

<https://www.1point3acres.com/bbs/thread-545706-1-1.html>

查看: 790 | 回复: 10

[找工就业] [工作信息]

honghongm 2019-8-28 03:

2019(7-9月)-CS硕士+fresh gr
总算是赶在开学前把SV

我的人缘 0

JavaScript Improve

Integer -> Pattern

Flower

Complexity of foo()

<https://www.1point3acres.com/bbs/thread-547724-1-1.html>

查看: 491 | 回复: 11

[找工就业] [工作信]

taorani 2019-9-6 06:29

2019(7-9月)-MIS硕士+fre
刚刚面完SAP SVNT HR

HR 面

[https://www.1point3acres.com/bbs/forum.php?
mod=viewthread&tid=547234&extra=page%3D1%26filter%3Dauthor%26orderby%3Ddateline%26dateline%3D604800%26sortid%3D311%26dateline%3D604800%26sortid%3D311%26orderby%3Ddateline&mobile=no](https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=547234&extra=page%3D1%26filter%3Dauthor%26orderby%3Ddateline%26dateline%3D604800%26sortid%3D311%26dateline%3D604800%26sortid%3D311%26orderby%3Ddateline&mobile=no)

查看: 222 | 回复: 1

[面试经验] SAF



cecr 2019-9-4 07

2020(7-9月) 码农类G

有面试了

[https://www.1point3acres.com/bbs/forum.php?
mod=viewthread&tid=543030&extra=page%3D1%26filter%3Dsortid%26sortid%
3D311&page=1](https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=543030&extra=page%3D1%26filter%3Dsortid%26sortid%3D311&page=1)

查看: 1255 | 回复: 23

[面试经验] SAP sv



青花seph 2019-8-14 0

2019(7-9月) 码农类Gene

电面

[https://www.1point3acres.com/bbs/forum.php?
mod=viewthread&tid=545379&extra=page%3D9%26filter%3Dsortid%26sortid%
3D311%26searchoption%255B3046%255D%255Bvalue%255D%255B2%255D%25D%
3D2%26searchoption%255B3046%255D%255Btype%255D%3Dcheckbox&page
=1](https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=545379&extra=page%3D9%26filter%3Dsortid%26sortid%3D311%26searchoption%255B3046%255D%255Bvalue%255D%255B2%255D%25D%3D2%26searchoption%255B3046%255D%255Btype%255D%3Dcheckbox&page=1)

查看: 1093 | 回复: 10

[面试经验] SAP



joker468 2019-8-26

2019(7-9月) 码农类Gen

JavaScript Improve

Integer -> Pattern

Decode 【有思路】

Complexity of foo()

有面试了

<https://www.1point3acres.com/bbs/thread-544605-1-1.html>

查看: 668 | 回复: 2

[面试经验] SAP SVNT



yanmingwang88 2019-8-22

2019(7-9月) 码农类General 硕士

MySQL Improve

Num 0-9

Flower

Complexity of foo()

Brilliant bingo is a game invented by a team of brilliant people in SAP. The rules are simple, everyone playing the game gets a random number in the range 1 to 9999 and in each round of the game the players have to multiply their number with the round number. The game stops when a player gets all the digits from 0 to 9 in all the rounds that they have played combined and it's a brilliant bingo.

Write a program that takes a random number as input and prints the number of rounds it would take to win brilliant bingo with that number.

Input

Single line with the integer less than 9999.

Output

Number of rounds to hit the Bingo.

Limits: Time limit is 10 seconds per test case and memory limit is 128MB.

Let's say Nikki is playing the game and gets the random number 7892 then it will take Nikki 5 rounds to get all the number digits 0 to 9.

Round 1: $7892 \times 1 = 7892$

Round 2: $7892 \times 2 = 15784$

Round 3: $7892 \times 3 = 23676$

Round 4: $7892 \times 4 = 31568$

Round 5: $7892 \times 5 = 39460$

Test case Input 1:

7892

Output:

5

Jenny owns a fertile rectangular farm land which is (**X**) meters wide and (**Y**) meters long where **X** and **Y** are integers. Imagine that the land is divided into a **X*Y** number of square cells and every night she sows a magic seed in each cell. There is a 50% probability of a magic seed growing into a flower the next morning.

There is a school next to her farm land and in the morning a fixed number (**S**) of students visit her farm land to collect flowers. Jenny has to make sure that each

student gets an equal number of flowers each day. To do that she draws (**H**) number of horizontal lines and (**V**) number of vertical lines on her farm land in such a way that the lines passes through the borders of the cells and does not cut them. This creates a rectangular grid and each student is instructed to collect flowers from a single grid. Here, the number of students (**S**) = $(H+1)*(V+1)$.

Due to the uncertain nature of the magic seeds growing into a flower, sometimes Jenny is not able to distribute flowers equally through the grids created by horizontal and vertical lines.

Write a program to determine if Jenny would be able to equally distribute the flowers.

Input

Multiple line input where line one is the value of **H**, line two is the value of **V** and the remaining lines collectively show the farm land (which is (**X**) meters wide and (**Y**) meters long) with the presence or absence of a flower in each cell. Note: '*' indicates seeds have grown in to a flower and '.' indicates absence of a flower in the cell. Number of students (**S**) = $(H+1)*(V+1)$. Refer case 1, 2 and 3 from the image.

Output

"TRUE" or "FALSE" in UPPER CASE.

Limits: Time limit is 10 seconds per test case and memory limit is 128MB.

Test case Input 1:

```
2
2
* . **
** . *
* . **
```

Output:

TRUE

<https://www.1point3acres.com/bbs/thread-543969-1-1.html>

查看: 778 | 回复: 10

【面试经验】SAP (



2RealZ 2019-8-19 0

2019(7-9月) 码农类Gene

MySQL Improve

Num 0-9

Decode

Complexity of foo()

<https://www.1point3acres.com/bbs/thread-543047-1-1.html>

查看: 1745 | 回复: 17

【面试经验】SAP 2(



splansher 2019-8-14 (

2019(7-9月) 码农类Gene

今日 ____ 日， 明日 ____ 日， 每周 ____ 周

第一题：给一段代码，问如何优化，类似 *meeting room*, 找匹配的 *lunch* 时间

Integer -> Pattern

Decode

[https://www.1point3acres.com/bbs/forum.php?
mod=viewthread&tid=541553&extra=page%3D98%26filter%3Dsortall%26sortall%3D1%26sortall%3D1&mobile=no](https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=541553&extra=page%3D98%26filter%3Dsortall%26sortall%3D1%26sortall%3D1&mobile=no)

查看: 2427 | 回复: 27

[面试经验] SAP SVI



a289206397 2019-8-6 (

2019(7-9月) 码农类General
莫名其妙的OA。因为之

JavaScript Improve

Integer -> Pattern

Flower

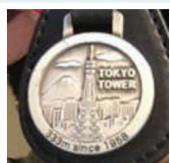
Sort in memory 【5分钟选择题。现在有10000个items要sort，但是内存只有1000个位置，问该用什么sort】

【第六题感觉应该用外部排序？但是咋没有这个选项，比较接近的就是merge sort了，假设1100的内存，思路是先把10000个数字分成10个chunk，然后每个chunk单独放到内存排序(随便什么方法都行)，排完之后再取每个chunk前100个放到内存里，然后剩下的100个空间作为buffer，然后多路归并。】

[https://www.1point3acres.com/bbs/forum.php?
mod=viewthread&tid=491296&extra=page%3D16%26filter%3Dsortid%26sortid%3D311%26searchoption%255B3046%255D%255Bvalue%255D%255B2%255D%3D2%26searchoption%255B3046%255D%255Btype%255D%3Dcheckbox&page=1](https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=491296&extra=page%3D16%26filter%3Dsortid%26sortid%3D311%26searchoption%255B3046%255D%255Bvalue%255D%255B2%255D%3D2%26searchoption%255B3046%255D%255Btype%255D%3Dcheckbox&page=1)

查看: 1140 | 回复: 10

[面试经验] sap svnt [



joxhw 2019-3-6 04:58:42

2019(1-3月) 码农类General

面经

[https://www.1point3acres.com/bbs/forum.php?
mod=viewthread&tid=531288&mobile=no](https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=531288&mobile=no)

查看: 418 | 回复: 2



[面试经验] SAP

xi3047 2019-6-12

2019(4-6月) 码农类G

onsite过经

<https://www.1point3acres.com/bbs/thread-529677-1-1.html>

查看: 1103 | 回复: 12



[💰 晒工资抖包袱] SA

BubbleFan 2019-6-4 08:4

💰 晒工资抖包袱

按 T 年度:

晒包裹

<https://www.1point3acres.com/bbs/thread-525253-1-1.html>

查看: 673 | 回复: 9



[面试经验] SAP Sk

a5066987 2019-5-16 C

2019(4-6月) 码农类Genei

第一蛇国人大哥，没有

面经

<https://www.1point3acres.com/bbs/thread-523468-1-1.html>

查看: 1220 | 回复: 7

【找工就业】[工作信息]



我的人缘 0

kellysun 2019-5-9 19:58:43

2019(4-6月)-**CS本科**+短暂实习:
在毕业的典礼过后的第一天

面经

<https://www.1point3acres.com/bbs/interview/software-engineer-522660.html>

查看: 230 | 回复: 0

【面试经验】SAP iXP



lettylee 2019-5-7 10:48:

2019(4-6月) 码农类**General**

实习面经

<https://www.1point3acres.com/bbs/thread-521509-1-1.html>

查看: 928 | 回复: 6

【找工就业】[工作]



adonais 2019-5-3 10

2019(1-3月)-**MIS硕士**+

面经

https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=504909&extra=page%3D1%26filter%3Ddateline%26orderby%3Dlastpost%26dateline%3D2592000%26sortid%3D311%26sortall%3D1&order_type=1&page=1

https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=504909&extra=page%3D1%26filter%3Ddateline%26orderby%3Dlastpost%26dateline%3D2592000%26sortid%3D311%26sortall%3D1&order_type=1&page=1

查看: 1130 | 回复: 10

【面试经验】SAP 天才OA [



MrRD 2019-3-27 09:21:24 | .

早期OA

<https://www.1point3acres.com/bbs/interview/software-engineer-501526.html>

查看: 969 | 回复: 6

【面试经验】SAP SVNT



losdaddy 2019-3-21 15:12:

2019(1-3月) 码农类General 算上hr的initial screening和 timeline:

我的人缘 0

面经

<https://www.1point3acres.com/bbs/forum.php?mod=viewthread&tid=550634>

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【面试经验】SAP SVNT



michael_cao 1 小时前 | .

2019(7-9月) 码农类General 整理一下地里SAP今年的O.

2019.9.16

OA总结 有附件全部截图

注意: 都需要自己读取数据, 打印数据

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[面试经验] SAP SVN



zhanym0981 半小时前 |

2019(10-12月) 码农类General

2019.9.16

1. JavaScript Improve
2. Integer -> Pattern
3. Decode 【记得找gcd从大的开始减，不然会TLE】
4. Sort in memory

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[面试经验] SAP OA [复制]



sysnlonlznl 半小时前 | 只看该用户

2019(7-9月) 码农类General 硕士

我的人缘 0

1. JavaScript Improve [20 min]
2. Num 0-9 [20 min]
3. Flower [30 min]
4. Complexity of foo() [5 min]