

①

$$[0 \leq \text{ord}(i) \leq N-1]$$
$$N = 5$$

(0, 1, 2, 3, 7)

arr:

3	4	1	2	0
---	---	---	---	---

 ← index
0 1 2 3 4
↑
data.

arr':

1	2		0	1
---	---	--	---	---

0 1 2 3 4

30

 $(3, 0)$ $(4, 1)$

(1,2)

 $(2, 3)$

```

3 0
4 1
1 2
0 3
1 4
3 4 1 0 1

```

```
l = len(arr)
res_arr = [0] * l // decodes for
for i in range(l):
    index = arr[i]
    res_arr[index] = i
    print(index, res_arr[index])
    # res_arr[arr[i]] = i

return res_arr
```

yes, yes = yes // shallow copy

involve
cost

80588

588 L
C88

LSK
42

12

Неср

44

$$\begin{bmatrix} 2 & 9 & 1 & 0 & 1 \end{bmatrix}$$

70 1 2 3 4
1 2 3 4


sk d

<p> $\begin{array}{c} \text{heap} \\ \downarrow \end{array}$ </p>
<p>stack</p>
<p>Un - user</p>
<p>J - java</p>
<p>code</p>

91

A hand-drawn diagram showing a large rectangle representing a container. Inside this container, there is a smaller rectangle representing a folder. The word "folder" is written below the inner rectangle. A diagonal line crosses the bottom-left corner of the large rectangle.

12



shoot cursey folder

P2

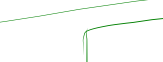


Photo 10/10/17

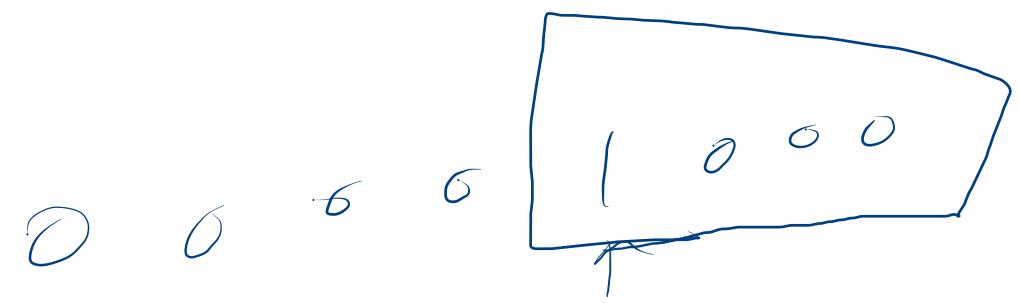
Zidur

```

graph TD
    doc10[doc 10] --> dup1[dup 1]
    comp[comp] --- dup1
    dup1 --> fold(fold)
    pu[pu] --- fold
  
```

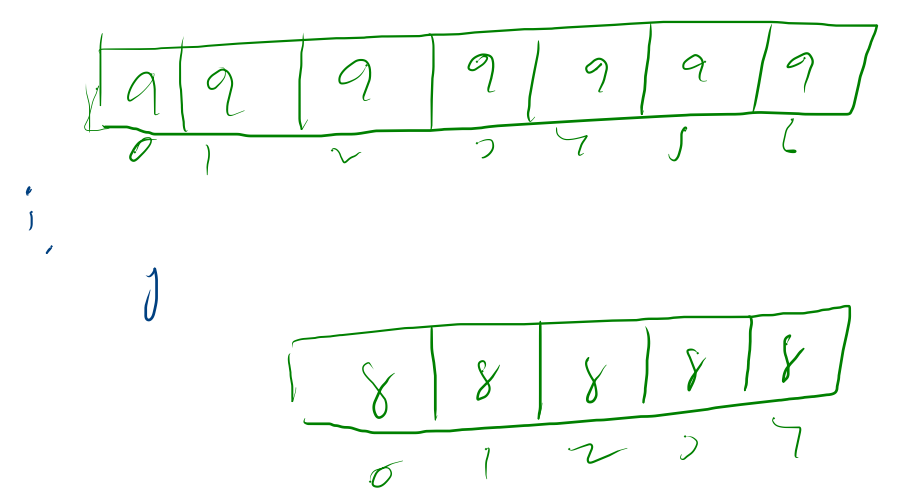
combi
pu

0 0 0 0 0 9 9 9 9 8 9
8 8 9 9



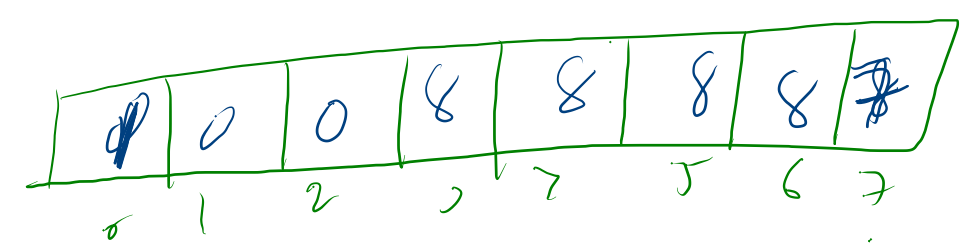
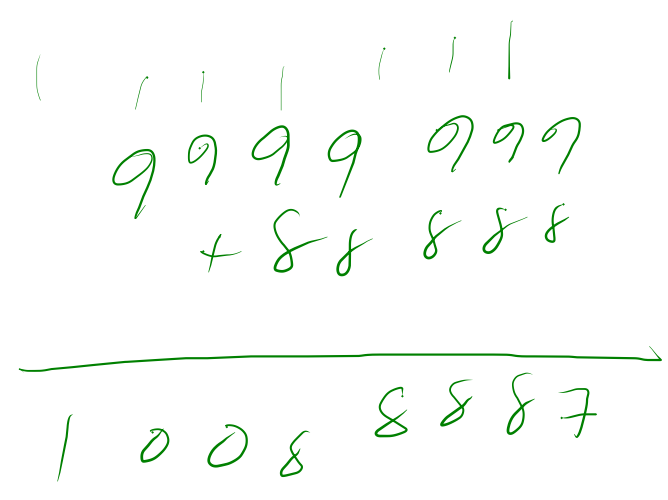
add

① digit carry



$n = 7$

$m = 5$



$i = 6, 5, 4, 3, 2, 1$
 $j = 4, 3, 2, 1$
 $k = 7, 8, 9, 2, 2, 1$
 carry = 0
 when 1

carry1 > carry2

carry1 - carry2

7 8 8 4 2
6 6 3

7 8 1 2 0

```
def calc_Sum(self, arr, n, brr, m):
    # Complete the function
    l = max(n, m) + 1
    ans = [0] * (l)
    i, j, k, carry = n - 1, m - 1, l - 1, 0

    while i >= 0 or j >= 0 or carry != 0:
        num = carry
        if i >= 0:
            num += arr[i]
        if j >= 0:
            num += brr[j]

        digit = num % 10
        carry = num // 10

        ans[k] = digit

        k -= 1
        if i >= 0:
            i -= 1
        if j >= 0:
            j -= 1

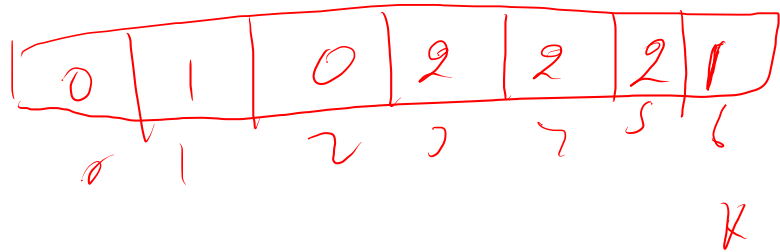
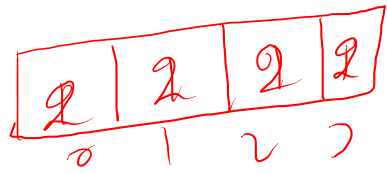
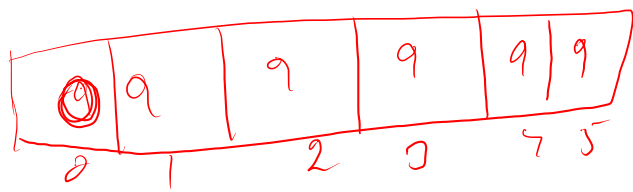
    return self.removeLeadingZeros(ans)
```

```
def removeLeadingZeros(self, arr):
    ans = ""
    nonZeroValue = False

    for i in range(len(arr)):
        if arr[i] != 0:
            nonZeroValue = True

        if nonZeroValue == True:
            ans += str(arr[i])

    return ans
```



① 9 9 9 9 9 0 9 9 9
9 9 9 9 9 9 9 9 8

② 1 1 1 1 1
1 1 1 1 1

③ 1 0 0 0 0 0 0 0 0
9

0 1 1 1
9 3 2 3 2
- 7 6 8
9 2 9 6 9

9 - 0 = 9

```
def calc_Sub(self, arr, n, brr, m):
    # Complete the function
    l = max(n, m)
    ans = [0] * (l)
    i, j, k, borrow = n - 1, m - 1, l - 1, 0

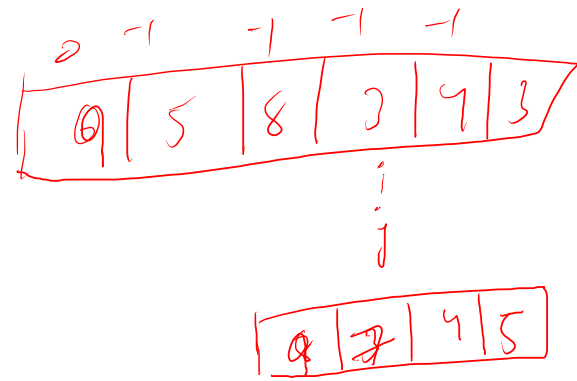
    while i >= 0 or j >= 0:
        num = borrow
        if i >= 0:
            num += arr[i]
        if j >= 0:
            num -= brr[j]

        if num < 0:
            num += 10
            borrow = -1
        else:
            borrow = 0

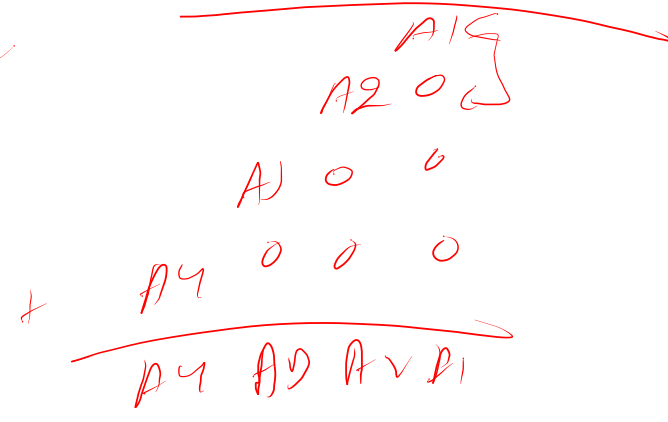
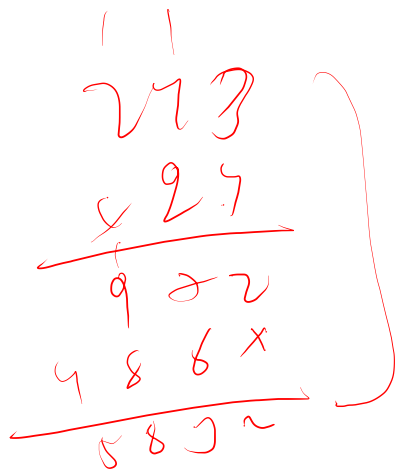
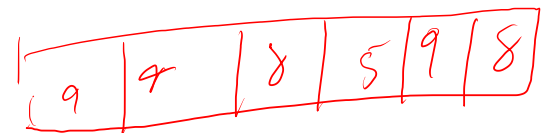
        ans[k] = num

        k -= 1
        if i >= 0:
            i -= 1
        if j >= 0:
            j -= 1

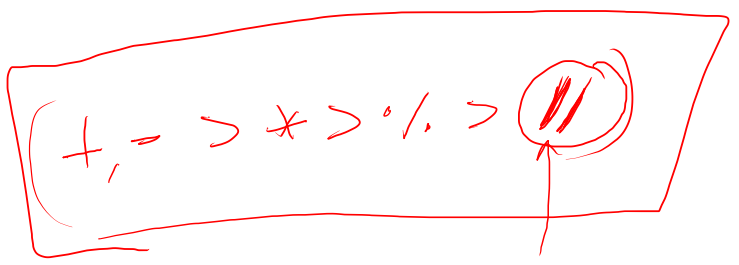
    return self.removeLeadingZeros(ans)
```



$h_1 - h_2$
 $(h_1 + h_2)$
 $(h_1 \times h_2)$



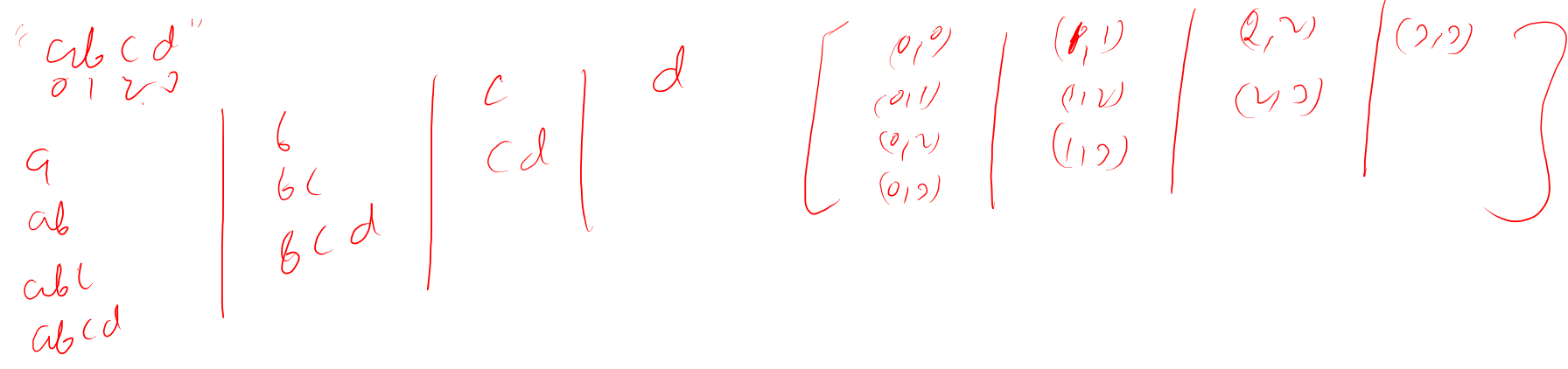
A: max(him) ←
 S: max(chim) ←



$$\frac{p}{q} = \frac{x}{y} \quad / \quad (f \times d = x \times y)$$

(Total)

①
 (solving)



②

ab69cc9

a, b, b, a, c, c, 9

abba, bb, accc, cc,