"""

OJ23563: 多项式时间复杂度

http://cs101.openjudge.cn/practice/23563/

n, m = map(int, input().split())  
A = []  
for i in range(n):  
 A.append([0]\*n)  
for i0 in range(m):  
 i, j = map(int, input().split())  
 A[i][j], A[j][i] = -1, -1  
 A[i][i] += 1  
 A[j][j] += 1  
for i in range(n):  
 for j in range(n - 1):  
 print(A[i][j], end=" ")  
 print(A[i][n - 1])

"""

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OJ23566: 决战双十一

http://cs101.openjudge.cn/practice/23566/

m, n, p, q = map(int, input().split())  
matrix1, matrix2 = [], []  
for i in range(m):  
 matrix1.append(list(map(int, input().split())))  
for i in range(p):  
 matrix2.append(list(map(int, input().split())))  
for i in range(m - p + 1):  
 for j in range(n - q + 1):  
 ans = 0  
 for k in range(p):  
 for l in range(q):  
 ans += matrix1[i + k][j + l] \* matrix2[k][l]  
 if j == n - q:  
 print(ans)  
 else:  
 print(ans, end=" ")

"""

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OJ19948: 因材施教(greedy)

http://cs101.openjudge.cn/practice/19948/

n = int(input())  
matrix = []  
for i in range(n):  
 matrix.append([0] \* n)  
fi, fj, i, j, k = 0, 1, 0, 0, 0  
tp = ((0, 1), (1, 0), (0, -1), (-1, 0))  
for i0 in range(1, n \* n + 1):  
 matrix[i][j] = i0  
 if i + fi >= n or j + fj >= n or matrix[i + fi][j + fj] != 0:  
 k += 1  
 fi, fj = tp[k % 4][0], tp[k % 4][1]  
 i += fi  
 j += fj  
for i in range(n):  
 for j in range(n - 1):  
 print(matrix[i][j], end=" ")  
 print(matrix[i][n - 1])

"""

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OJ25301: 生日相同

http://cs101.openjudge.cn/practice/25301/

def f(k):  
 ans0, tmp0 = 0, 0  
 for i0 in dct[k]:  
 if i0 == dct[k][0] or tmp0 > dct[k][i]:  
 tmp0 = i0  
 ans0 = max(i0 + f(i0), ans0)  
 return ans0  
  
n = int(input())  
a0 = tuple(map(int, input().split()))  
dct, keylst, ans, tmp = {}, [], 0, a0[0]  
for i in range(n):  
 dct[a0[i]] = [j for j in a0[i:] if j > a0[i]]  
 if i == 0 or tmp > a0[i]:  
 tmp = a0[i]  
 keylst.append(tmp)  
for i in keylst:  
 ans = max(i + f(i), ans)  
print(ans)

"""

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OJ25302: 最大并发量def f(k):  
 ans0, lst, tmp = 0, [], 0  
 for i0 in dct[k]:  
 if i0 == dct[k][0] or tmp > dct[k][i]:  
 tmp = i0  
 lst.append(tmp)  
 for i0 in lst:  
 ans0 = max(i0 + f(i0), ans0)  
 return ans0  
  
n = int(input())  
a0 = tuple(map(int, input().split()))  
dct, keylst, ans, tmp = {}, [], 0, a0[0]  
for i in range(n):  
 dct[a0[i]] = [j for j in a0[i:] if j > a0[i]]  
 if i == 0 or tmp > a0[i]:  
 tmp = a0[i]  
 keylst.append(tmp)  
for i in keylst:  
 ans = max(i + f(i), ans)  
print(ans)

http://cs101.openjudge.cn/practice/25302/

n = int(input())  
lst = []  
for i in range(n):  
 lst.append(list(map(int, input().split())))  
for i in range(n - 1, 0, -1):  
 for j in range(i):  
 lst[i - 1][j] += max(lst[i][j], lst[i][j + 1])  
print(lst[0][0])

"""

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CF1749C: Number Game, binary search/data structure/games/greedy/implementation, 1400

https://codeforces.com/problemset/problem/1749/C

s = input()  
pre, sl = s[0], []  
for i in range(len(s)):  
 if s[i] != pre:  
 sl.append(i)  
 pre = s[i]  
for i in range(int(input())):  
 li, ri = map(int, input().split())  
 ans = ri-li  
 for j in sl:  
 if ri > j >= li:  
 ans -= 1  
 print(ans)

"""