Logo

STUDENT REPORT

DETAILS

Name

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Roll Number

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EXPERIMENT

Title

SALT AND PEPPER

Description

Problem Statement:
In a quaint village nestled between rolling hills, there were N different salt containers and N different pepper containers in two separate groups. Each container had a specific level of bitterness, represented by arrays A and B respectively. The task at hand was to form N combinations, each consisting of one salt container and one pepper container
However, there was a twist to the challenge. The objective was to arrange the combinations in such a way that the maximum bitterness level, which is the sum of salt and pepper quantities in each combination, was minimized.
Print the lowest possible maximum bitterness level.

Input Format:
The first line contains a single integer N, the number of salt and pepper containers in each group.

The second line contains N space-separated integers, denoting the bitterness level of N salt containers.

The third line contains N space-separated integers, denoting the bitterness level of N pepper containers.

Sample Innput:

3

1 3 5

2 8 6

Sample Output:

11

Source Code:

```
n=int(input())
salt=list(map(int,input().split()))
pepper=list(map(int,input().split()))
r=[]
for i in range(n):
    r.append(salt[i]+pepper[i])
print(max(r))
```

RESULT

5 / 5 Test Cases Passed | 100 %