Kill the dragon!

Description

Motivation

N dragons are attacking the village. M knights come to help you with cost of money.

Problem

- Each dragon has hp.
- Each knight can be hired with some cost of money.
- The cost of knight equals the largest hp of dragon he can defeat.
- Minimize the cost and defeat all the dragons.

Input

- First line: two integers n, m
- Next n lines: n integers indicate the hp of dragons
- Next m lines: m integers indicate the cost of knights

n <= m <=50000

Output

Minimal cost or output "you died!" if no solution.

total cost <= 2147483647

Sample Input 1

```
3 5
100
300
200
15
150
300
1000
500
```
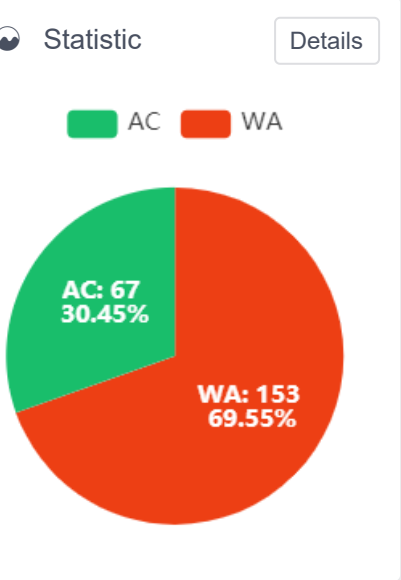
Sample Output 1

```
950
```

Hint

Be greedy

Problems

Announcements

Submissions

Rankings

View Contest

Information

ID	403
Time Limit	1000MS
Memory Limit	256MB
IO Mode	Standard IO
Created By	root
Level	Low
Score	100
Tags	Show

Statistic   Details

AC   WA

AC: 67 30.45%
WA: 153 69.55%

Language: C++   Theme: Solarized Light

You have solved the problem

Submit