$=6$

Problem Description

C

| | | 5 | 2 | 12 20 16 30 12 |
| 3 | | | 11 | |

Input Format

A (1 ≤ A ≤ 1,000,000)   B
(1
≤ B ≤ 1,000,000)   C
(1
≤ C ≤ 1,000,000)
    A   D
(1
≤ D ≤ 1,000,000)   B

Output Format

Sample Input 1

```
5  2  3
12  20  16  30  12


5  4  5
12  20  16  32  12
```

Sample Output 1

```
11



5
```