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Lazy Sunday   🔒 locked

H by pruthvishalcodi1

Problem	Submissions	Leaderboard	Discussions

It's a sunday afternoon and Alguru is resting at home, he gets a call from his boss who assigns him N tasks such that the ith task takes time Ai. Alguru is very lazy and wants to spend as little time as possible.Alguru can skip some tasks to save some time but if he skips two consecutive tasks his boss will find out,if a task is skipped time taken to do that task is considered to be 0.You have to help Alguru skip tasks in such a way that his boss does not find out and he spends the minimum amout of time performing the tasks.

Input Format

The first line of the input contains a single integer N representing the number of tasks assigned to Alguru the second line contains N space-separated A1,A2,.......,An where Ai represents the time taken to finish ith task.

Constraints

$1 <= N <= 10^6$ $1 <= A_i <= 10^4$

Output Format

Print a single line containing a single integer - the minimum amount of time taken to finish all tasks , if some tasks can be skipped

Sample Input 0

```
8
12  5  18  4  8  3  7  12
```

Sample Output 0

```
19
```

Explanation 0

Alguru can skip tasks 1,3,5,8 and only perform tasks 2,4,6,7 which takes a total time of 5+4+3+7 = 19, since Alguru does not skip any 2 consecutive tasks he will not get caught by his boss.

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Submissions: 32
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```cpp
 1 ▾#include <cmath>
 2  #include <cstdio>
 3  #include <vector>
 4  #include <iostream>
 5  #include <algorithm>
 6  using namespace std;
 7
 8
 9 ▾int main() {
10 ▾    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11      return 0;
12  }
```

Line: 1 Col: 1

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