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## Candy Distribution 2

Submissions   Attempted by: 196 | Solved by: 137 | Partially Solved by: 12 | ★★★★★

Combinatorics   Easy   Math   Edit

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It is Jawa's birthday today. His each friend tells him the least number of toffees he wants. Later, his friends together decided that if he is able to satisfy the condition of atleast one of his friends than they will buy him a \$1000 gift.

You have to help Jawa to decide the minimum number of toffees he need to buy to satisfy his friends conditions. This minimum number of toffees in any possible distribution should satisfy his friends condition.

### Input:

First line contains a single integer **T** denoting number of test cases.

First line of each test case contains a single integer **N** denoting number of his friends.

Second line of each test case contains **N** space separated integers denoting the least number of toffees his each friend want.

### Output:

For each test case output single integer denoting minimum number of toffees he needs to buy to satisfy the condition.

### Constraints:

$1 \leq T \leq 10$

$1 \leq N \leq 100000$

$1 \leq A_i \leq 1000000000$

### Sample Input ([Plaintext Link](#))

```
2
3
8 6 9
1
4
```

### Sample Output ([Plaintext Link](#))

```
21
4
```

Time Limit: 1 sec(s) for each input file.

Memory Limit: 256 MB

Source Limit: 1024 KB

Marking Scheme: Marks are awarded if any testcase passes.

Allowed languages: C, CPP, CLOJURE, CSHARP, GO, HASKELL, JAVA, JAVASCRIPT, JAVASCRIPT\_NODE, LISP, OBJECTIVEC, PASCAL, PERL, PHP, PYTHON, RUBY, R, RUST, SCALA

Problem Author: [Ashish Khatkar](#)Problem Tester: [Chandan Singh](#)

C ▼

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```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("Hello World!\n");
6     return 0;
7 }
8
```

1

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