General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
123029223	Virtual: TheKing003KS #	1530C - 12	GNU C++14	Accepted	186 ms	4444 KB	2021-07-19 18:06:52	2021-07-19 18:06:52		Compare

→ Source

Copy

```
#include<iostream>
#include<limits.h>
#include<math.h>
#include<vector>
#include<string>
#include<queue>
#include<stack>
#include<set>
#include<map>
#include<unordered_set>
#include<unordered_map>
#include<algorithm>
using namespace std;

#define ll long long
#define ull unsigned long long
#define modulo 1000000007
#define mp make_pair
#define pb push_back

bool is_valid(int n, int m, int x, int y)
{
    return (x >= 0 && x < n && y >= 0 && y < m);
}

int main()
{
    ll int tests;
    cin >> tests;
    while(tests--)
    {
        ll int n;
        cin >> n;
        vector<int> a(n), b(n);
        for(auto i = 0; i < n; i++) {cin >> a[i];}
        for(auto i = 0; i < n; i++) {cin >> b[i];}
        sort(begin(a),end(a),greater<int>());
        sort(begin(b),end(b),greater<int>());

        int stages = n - (n/4);
        ll int mysum = 0, tarsum = 0;
        int i = 0, j = 0;
        for(; i < stages; i++, j++)
        {
            mysum += a[i];
            tarsum += b[j];
        }
        if(mysum > tarsum) {cout << 0 << "\n"; continue;}
        i--;
        j--;
```

```
        int ctr = n%4;
        int ans = 0;
        while(mysum < tarsum)
        {
            if(ctr < 3)
            {
                mysum += 100;
                if(j < n-1) {j++; tarsum += b[j];}
                ctr++;
            }
            else if(ctr == 3)
            {
                if(i >= 0)
                {
                    mysum -= a[i];
                    i--;
                    mysum += 100;
                }
                ctr = 0;
            }
            ans++;
        }
        cout << ans;

        cout << "\n";
    }

    return 0;
}

// ll int n;
// cin >> n;
// vector<ll int> arr(n);
// for(auto i = 0; i < n; i++) {cin >> arr[i];}

// for(auto i = 0; i < n; i++) {cout << arr[i] << " ";}

// sort(begin(arr),end(arr));
```

1

Time: 15 ms, **memory**: 3784 KB

Verdict: OK

Input

```
5
1
100
0
1
0
100
4
20 30 40 50
100 100 100 100
4
10 20 30 40
100 100 100 100
7
7 59 62 52 27 31 55
33 35 50 98 83 80 64
```

Participant's output

```
0
1
3
4
2
```

Jury's answer

```
0
1
3
4
2
```

Checker comment

```
ok 5 number(s): "0 1 3 4 2"
```

2

Time: 15 ms, **memory**: 3784 KB

Verdict: OK

Input

```
1000
2
40 78
82 67
8
39 58 60 21 57 62 45 31
50 5 90 55 72 56 28 1
10
70 24 14 58 89 80 5 57 92 24
34 33 11 14 62 96 69 43 0 24
10
80 83 32 100 25 40 49 63 55 22
53 12 22 59 97 74 85 2 63 25
8
25 87 13 25 2 51 85 1
17 7 48 22 60 50 7 30
2
39 57
54 20
4
9 34 25 61
42 51 85 73
1
73
37
5
82 66 69 49 67
92 60 25 36 15
1
33
25
5
43 40 79 51 94
44 84 2 1 70
10
59 63 51 44 25 35 20 99 72 39
87 67 34 12 79 72 23 11 96 25
8
18 90 41 65 83 100 91 18
23 24 56 44 91 12 67 89
3
...
```

Participant's output

```
1
1
0
0
0
0
2
0
0
0
0
1
0
0
1
0
2
0
2
2
2
1
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1
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1
```

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2
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3
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0
1
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1
0
2
```

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0
2
0
0
0
1
1
0
0
0
0
0
3
2
1
2
0
0
0
0
1...
```

Jury's answer

```
1
1
0
0
0
0
2
0
0
0
0
1
0
0
1
```

```
0
2
0
2
2
2
1
0
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1
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1
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2
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1
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2
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0
2
0
0
1
0
2
0
0
0
```

```
0
0
0
0
0
2
0
3
1
0
1
1
1
0
2
0
0
0
0
1
1
0
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2
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0
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1
0
0
2
0
0
0
1
1
0
0
0
0
3
2
1
2
0
0
0
0
1...
```

Checker comment

```
ok 1000 numbers
```

3

Time: 156 ms, **memory**: 3800 KB

Verdict: OK

Input

```
1000
18
79 50 62 49 75 58 23 7 5 63 64 54 95 56 84 45 70 37
35 57 34 83 18 68 22 45 41 6 92 97 5 56 13 66 43 57
235
10 29 7 77 76 26 6 17 68 91 64 96 48 33 68 18 87 86 31 90 8 29 95 14 67 20 35 21 2 20 87 28 97 12 9 6 35 2 38 18 64 73 93 93 54 77 45 12 29 66 31 11 50 11 71 10 20 96 26 72 20 65 57 52 31 10 32 29 6
```

Participant's output

```
0
20
2
0
5
1
0
1
1
4
0
0
0
14
0
1
4
0
1
1
1
5
2
0
1
6
3
3
0
4
4
0
2
13
0
1
0
0
0
2
3
3
0
1
1
0
0
0
0
5
3
0
5
0
8
1
0
0
2
0
0
0
```

```
1
0
2
3
4
0
0
0
1
0
0
0
2
1
1
0
0
1
0
0
5
3
12
0
0
0
1
8
0
4
1
1
1
4
0
2
1
4
0
2
0
13
0
5
2
0
0
3
0
0
2
1
5
0
0
2
0
0
0
2
0
5
0
0
4
20
1
0
2
8
0
0
6
2
0
1
0
0
0
```

```
1
2
0
1
1
4
0
0
1
1
5
2
0
0
2
0
0
0
0
0
3
0
2
0
0
6
12
...
```

Jury's answer

```
0
20
2
0
5
1
0
1
1
4
0
0
0
14
0
1
4
0
1
1
1
5
2
0
1
6
3
3
0
4
4
0
2
13
0
1
0
0
0
2
3
3
0
1
1
0
0
0
0
```

```
5
3
0
5
0
8
1
0
0
2
0
0
0
1
0
2
3
4
0
0
0
1
0
0
0
2
1
1
0
0
1
0
0
5
3
12
0
0
0
1
8
0
4
1
1
1
4
0
2
1
4
0
2
0
13
0
5
2
0
0
3
0
0
2
1
5
0
0
2
0
0
0
2
0
5
0
0
4
20
```

```
1
0
2
8
0
0
6
2
0
1
0
0
0
1
2
0
1
1
4
0
0
1
1
5
2
0
0
2
0
0
0
0
0
3
0
2
0
0
6
12
...
```

Checker comment
ok 1000 numbers

4

Time: 156 ms, **memory**: 4436 KB

Verdict: OK

Input

```
1
100000
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```

Participant's output
100000

Jury's answer
100000

Checker comment
ok 1 number(s): "100000"

5

Time: 156 ms, **memory**: 4428 KB

Verdict: OK

Input

```
1
100000
5 22 6 25 8 6 46 11 14 43 8 37 39 6 45 13 2 14 12 23 25 7 48 13 42 34 24 3 11 18 30 40 24 46 46 13 8 22 24 4 13 20 26 42 4 35 32 38 27 15 39 10 2 26 31 45 20 1 15 14 9 44 21 22 19 31 8 24 12 12 25 2
```

Participant's output
53539

Jury's answer
53539

Checker comment
ok 1 number(s): "53539"

6

Time: 140 ms, **memory**: 3800 KB

Verdict: OK

Input

```
1000
198
78 2 61 67 15 53 80 52 3 98 26 97 50 37 13 73 20 1 59 75 67 3 92 15 82 66 17 11 54 89 44 84 61 76 24 3 68 86 97 79 22 85 28 72 74 48 91 99 32 24 18 14 100 67 98 66 2 15 41 13 78 68 74 38 73 44 53 0
```

Participant's output

```
0
1
3
0
6
0
6
0
1
0
0
0
0
1
9
0
0
10
3
4
0
0
1
0
0
9
1
3
3
0
0
2
12
0
2
3
1
6
2
2
2
5
4
2
5
0
0
0
3
7
1
0
0
2
0
6
0
0
0
0
1
3
6
0
4
0
```

```
1
1
0
4
8
3
0
0
0
3
3
0
0
1
0
0
3
0
0
0
0
0
9
0
7
0
1
1
0
0
0
3
0
2
2
0
2
0
2
4
0
0
1
0
1
0
4
0
0
0
0
0
0
0
1
2
0
2
3
16
3
0
0
0
0
3
3
0
0
9
0
0
1
2
1
5
1
5
0
```

```
3
4
1
0
0
0
0
0
0
0
4
0
1
0
0
18
2
0
0
1
0
1
4
0
...
```

Jury's answer

```
0
1
3
0
6
0
6
0
1
0
0
0
0
1
9
0
0
10
3
4
0
0
1
0
0
9
1
3
3
0
0
2
12
0
2
3
1
6
2
2
2
5
4
2
5
0
0
0
3
7
1
0
```

```
0
2
0
6
0
0
0
0
1
3
6
0
4
0
1
1
0
4
8
3
0
0
0
3
3
0
0
1
0
0
3
0
0
0
0
0
9
0
7
0
1
1
0
0
0
3
0
2
2
0
2
0
2
4
0
0
1
0
1
0
4
0
0
0
0
0
0
0
1
2
0
2
3
16
3
0
0
0
0
```

```
3
3
0
0
9
0
0
1
2
1
5
1
5
0
3
4
1
0
0
0
0
0
0
0
4
0
1
0
0
18
2
0
0
1
0
1
4
0
...
```

Checker comment
ok 1000 numbers

7

Time: 171 ms, **memory**: 3668 KB

Verdict: OK

Input

```
500
88
7 10 61 21 52 22 41 9 68 52 8 44 81 67 87 58 45 36 27 8 77 49 19 69 66 62 69 79 46 52 4 8 79 77 87 96 90 80 0 34 5 52 70 10 19 90 99 82 36 26 0 73 17 16 32 24 45 0 28 24 65 68 2 33 65 94 11 46 43 77
6 26 44 69 18 45 70 22 96 40 84 68 30 12 93 42 19 92 89 7 73 51 77 86 83 9 81 16 24 26 69 3 85 13 2 96 85 86 75 74 40 74 13 82 41 55 39 42 74 45 81 95 85 39 59 71 92 48 60 25 53 92 93 17 80 11 91 98
```

Participant's output

```
10
0
0
0
0
0
4
0
5
13
0
0
0
0
1
5
0
0
0
17
0
2
0
0
```

```
0
0
1
7
8
5
1
0
1
0
1
0
2
0
4
0
0
2
2
3
0
0
0
0
2
1
2
0
0
1
2
6
0
8
6
2
0
5
0
0
3
0
1
0
8
18
4
0
3
13
2
12
0
0
0
0
5
7
8
0
2
6
9
0
0
2
6
0
1
0
3
0
0
0
1
0
0
0
3
```

```
6
17
1
1
1
0
0
0
2
6
4
25
0
5
6
5
0
0
2
1
0
2
0
0
5
18
11
1
1
7
5
0
16
7
6
2
5
0
3
1
2
0
0
0
0
0
0
0
2
0
0
0
0
0
0
5
0
4
0
0
9
4
2
5
0
0...
```

Jury's answer

```
10
0
0
0
0
0
4
0
5
13
0
0
0
```

```
0
1
5
0
0
0
17
0
2
0
0
0
0
1
7
8
5
1
0
1
0
1
0
2
0
4
0
0
2
2
3
0
0
0
0
2
1
2
0
0
1
2
6
0
8
6
2
0
5
0
0
3
0
1
0
8
18
4
0
3
13
2
12
0
0
0
0
5
7
8
0
2
6
9
0
0
2
6
0
```

```
1
0
3
0
0
0
1
0
0
0
3
6
17
1
1
1
0
0
0
2
6
4
25
0
5
6
5
0
0
2
1
0
2
0
0
5
18
11
1
1
7
5
0
16
7
6
2
5
0
3
1
2
0
0
0
0
0
0
2
0
0
0
0
0
5
0
4
0
0
9
4
2
5
0
0...
```

Checker comment

```
ok 500 numbers
```

8

Time: 171 ms, **memory**: 3656 KB

Verdict: OK

Input

```
250
423
28 12 66 57 12 62 9 20 95 77 71 17 65 66 95 54 63 55 62 46 77 85 13 66 78 4 83 89 66 12 98 54 23 1 83 76 15 83 4 39 5 70 62 98 36 22 20 19 85 56 99 40 100 43 27 93 33 42 38 94 70 85 92 40 68 58 94 6
```

Participant's output

```
0
0
0
1
0
11
3
0
35
0
0
0
7
1
3
0
8
2
3
0
0
0
1
0
19
10
9
0
0
0
0
0
0
2
0
11
7
0
0
0
0
0
0
1
0
7
9
0
27
32
0
0
4
0
10
0
7
17
12
0
7
0
8
21
0
0
3
0
0
4
```

```
0
0
2
0
0
0
0
1
0
0
0
0
16
11
0
3
3
10
0
4
1
10
4
0
3
0
0
3
0
0
8
5
0
0
0
7
6
9
0
11
0
7
7
7
3
0
0
0
5
0
0
0
11
8
3
0
0
6
5
2
0
5
0
3
0
1
3
1
8
26
0
0
0
3
0
8
0
1
3
```

```
1
3
0
0
0
0
0
0
3
0
0
19
12
1
11
0...
```

Jury's answer

```
0
0
0
1
0
11
3
0
35
0
0
0
7
1
3
0
8
2
3
0
0
0
1
0
19
10
9
0
0
0
0
0
2
0
11
7
0
0
0
0
0
0
1
0
7
9
0
27
32
0
0
4
0
10
0
7
17
12
0
7
0
```

```
8
21
0
0
3
0
0
4
0
0
2
0
0
0
0
1
0
0
0
0
16
11
0
3
3
10
0
4
1
10
4
0
3
0
0
3
0
0
8
5
0
0
0
7
6
9
0
11
0
7
7
7
3
0
0
0
5
0
0
0
11
8
3
0
0
6
5
2
0
5
0
3
0
1
3
1
8
26
0
```

```
0
0
3
0
8
0
1
3
1
3
0
0
0
0
0
0
3
0
0
19
12
1
11
0...
```

Checker comment
ok 250 numbers

9

Time: 171 ms, **memory**: 3692 KB

Verdict: OK

Input

```
125
79
6 38 45 47 21 79 39 100 23 23 78 14 37 49 52 7 15 75 61 79 60 46 13 70 92 53 56 91 18 5 85 78 2 45 37 42 13 48 45 3 85 17 31 52 26 62 29 74 62 44 84 21 10 46 3 1 2 83 70 24 53 27 35 94 63 77 34 1 69
88 6 32 3 95 33 87 60 91 34 13 54 55 21 1 67 3 70 42 70 58 95 85 68 21 56 25 82 68 96 57 28 67 99 9 27 97 17 76 8 99 59 47 69 84 52 29 32 65 12 59 31 22 80 75 52 53 31 73 46 19 55 92 15 53 90 51 60
330
38 84 8 48 57 44 0 60 70 96 85 84 43...
```

Participant's output

```
9
2
1
0
1
18
2
0
0
0
5
6
0
3
0
0
14
0
20
4
0
13
0
0
6
0
0
0
4
0
9
9
5
0
10
19
0
```

```
0
0
12
0
10
0
1
22
10
0
0
0
0
0
0
22
16
5
1
0
20
0
0
5
0
0
0
6
9
0
0
0
0
0
0
38
2
0
2
0
0
0
0
4
20
18
5
0
0
0
0
2
0
0
0
0
0
0
19
0
11
1
0
0
10
0
0
0
11
0
2
7
0
8
0
12
1
10
0
0
13
0
```

```
0
6
0
0
20
33
9
3
2
```

Jury's answer

```
9
2
1
0
1
18
2
0
0
0
5
6
0
3
0
0
14
0
20
4
0
13
0
0
6
0
0
0
4
0
9
9
5
0
10
19
0
0
0
12
0
10
0
1
22
10
0
0
0
0
0
22
16
5
1
0
20
0
0
5
0
0
0
6
9
0
0
0
```

```
0
0
38
2
0
2
0
0
0
0
4
20
18
5
0
0
0
0
0
2
0
0
0
0
0
19
0
11
1
0
0
10
0
0
0
11
0
2
7
0
8
0
12
1
10
0
0
13
0
0
6
0
0
20
33
9
3
2
```

Checker comment
ok 125 numbers

10

Time: 171 ms, **memory**: 3760 KB

Verdict: OK

Input
62
697
30 3 13 22 88 26 96 86 38 46 32 36 98 75 70 60 81 42 92 43 40 81 50 30 23 55 3 30 97 32 52 94 53 94 40 7 15 19 10 7 2 22 6 67 29 73 33 80 58 94 13 100 88 94 27 73 9 79 50 17 82 27 100 57 7 38 22 64

Participant's output

```
0
0
0
13
6
0
4
```

```
0
27
7
3
0
0
5
0
2
3
51
1
11
16
0
6
5
0
7
2
0
1
1
0
0
33
4
26
7
0
2
15
21
27
38
13
20
0
0
13
12
4
1
12
0
1
0
8
35
0
9
13
4
18
6
```

Jury's answer

```
0
0
0
13
6
0
4
0
27
7
3
0
0
5
0
2
3
51
1
11
16
0
```

```
6
5
0
7
2
0
1
1
0
0
33
4
26
7
0
2
15
21
27
38
13
20
0
0
13
12
4
1
12
0
1
0
8
35
0
9
13
4
18
6
```

Checker comment

```
ok 62 numbers
```

11

Time: 140 ms, **memory**: 3832 KB

Verdict: OK

Input

```
31
147
18 99 18 50 100 88 48 16 42 58 10 73 61 49 74 1 85 36 15 85 82 70 39 10 67 46 98 18 47 93 0 23 6 78 84 49 41 42 96 96 12 55 26 36 6 75 72 49 1 85 46 56 27 52 92 28 83 82 82 76 70 0 42 78 62 59 87 42
79 87 40 28 89 54 38 1 20 60 99 60 73 62 27 36 63 47 23 1 64 29 7...
```

Participant's output

```
0
0
0
19
0
0
70
2
0
28
0
15
0
21
40
0
0
0
3
0
3
0
0
```

```
2
60
0
0
1
14
0
5
```

Jury's answer

```
0
0
0
19
0
0
70
2
0
28
0
15
0
21
40
0
0
0
3
0
3
0
0
0
2
60
0
0
1
14
0
5
```

Checker comment

```
ok 31 numbers
```

12

Time: 156 ms, **memory**: 3940 KB

Verdict: OK

Input

```
15
3466
92 38 46 53 61 47 100 22 84 62 19 30 93 34 13 95 41 47 38 98 0 88 80 14 51 47 75 75 9 73 20 75 14 8 42 93 90 81 53 35 39 49 33 16 1 35 47 53 4 40 61 48 29 25 73 58 6 89 15 93 4 14 92 100 50 36 40 22
```

Participant's output

```
8
43
0
0
76
11
12
0
92
0
0
0
6
0
21
```

Jury's answer

```
8
43
0
0
76
11
12
```

```
0
92
0
0
0
6
0
21
```

Checker comment
```
ok 15 numbers
```

13

Time: 156 ms, **memory**: 4024 KB

Verdict: OK

Input
```
7
9093
19 75 97 12 79 43 64 22 44 47 35 8 22 52 71 36 9 3 87 62 20 46 85 80 29 48 76 65 74 54 21 17 84 71 47 100 35 71 39 14 98 85 24 52 53 4 35 98 99 68 82 50 72 2 95 1 45 59 96 54 3 88 77 26 95 70 25 98
```

Participant's output
```
0
0
117
0
0
0
0
```

Jury's answer
```
0
0
117
0
0
0
0
```

Checker comment
```
ok 7 numbers
```

14

Time: 186 ms, **memory**: 4036 KB

Verdict: OK

Input
```
3
28936
64 43 84 9 4 81 59 73 4 26 77 63 8 10 68 69 91 40 6 99 26 52 34 7 47 66 37 75 80 63 49 87 14 19 28 61 63 95 46 93 9 99 80 40 97 66 40 79 96 24 7 51 48 20 10 87 72 26 17 35 88 92 5 4 37 51 62 80 41 4
```

Participant's output
```
161
0
25
```

Jury's answer
```
161
0
25
```

Checker comment
```
ok 3 number(s): "161 0 25"
```

15

Time: 156 ms, **memory**: 4444 KB

Verdict: OK

Input
```
1
100000
77 53 1 8 9 19 17 66 64 82 71 32 0 46 75 9 0 36 72 46 48 38 47 77 94 92 57 19 41 81 49 96 52 51 80 57 28 5 97 25 68 63 12 91 76 9 46 12 75 49 40 48 30 1 97 51 85 42 25 60 68 42 62 18 14 90 89 18 29
```

Participant's output
```
0
```

Jury's answer
```
0
```

Checker comment

```
ok 1 number(s): "0"
```

16

Time: 156 ms, **memory**: 4432 KB

Verdict: OK

Input
```
1
100000
95 85 93 17 69 38 35 17 18 36 6 62 39 28 40 97 52 23 66 46 28 0 67 97 24 82 54 62 79 88 18 35 83 26 13 46 1 46 26 11 29 68 84 45 0 8 81 39 53 38 21 81 23 37 55 13 20 65 67 18 24 90 14 39 45 15 8 46
```
Participant's output
```
242
```
Jury's answer
```
242
```
Checker comment
```
ok 1 number(s): "242"
```

17

Time: 155 ms, **memory**: 4436 KB

Verdict: OK

Input
```
1
100000
100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10
```
Participant's output
```
0
```
Jury's answer
```
0
```
Checker comment
```
ok 1 number(s): "0"
```

18

Time: 156 ms, **memory**: 4436 KB

Verdict: OK

Input
```
1
100000
8 1 10 4 3 6 7 3 4 7 9 0 0 5 9 6 2 8 6 7 10 9 3 2 4 7 6 3 0 9 8 0 1 4 4 4 0 9 9 3 9 2 7 4 0 7 7 6 10 8 0 1 1 9 1 2 7 10 10 2 9 3 5 1 6 6 10 3 0 6 4 7 10 1 1 7 6 2 7 4 4 10 2 6 1 5 1 3 10 2 7 4 9 7 3
```
Participant's output
```
91010
```
Jury's answer
```
91010
```
Checker comment
```
ok 1 number(s): "91010"
```

19

Time: 155 ms, **memory**: 4440 KB

Verdict: OK

Input
```
1
100000
13 2 4 6 16 8 14 7 19 2 11 2 20 0 20 16 15 16 18 13 4 18 13 0 15 9 11 19 4 13 2 0 6 2 16 17 5 7 18 0 2 8 6 18 16 10 18 3 20 9 4 17 1 6 0 8 15 8 17 10 15 18 8 15 10 0 12 9 9 7 16 17 5 16 16 14 6 7 12
```
Participant's output
```
81966
```
Jury's answer
```
81966
```
Checker comment
```
ok 1 number(s): "81966"
```

20

Time: 156 ms, **memory**: 4440 KB

Verdict: OK

Input
1
100000
4 22 19 29 26 24 13 0 27 5 10 5 28 12 21 18 12 12 19 12 1 23 26 19 6 15 9 14 13 5 23 21 1 17 2 20 27 3 30 19 29 7 15 30 19 7 19 1 22 15 18 23 3 26 29 15 18 21 27 8 15 24 24 14 29 10 21 5 5 29 13 27

Participant's output
72663

Jury's answer
72663

Checker comment
ok 1 number(s): "72663"

21

Time: 155 ms, **memory**: 4436 KB

Verdict: OK

Input
1
100000
34 40 15 14 34 7 40 13 35 29 11 21 16 6 38 2 25 4 18 34 34 28 8 15 36 3 31 6 7 16 2 6 31 34 18 17 28 23 29 32 17 20 11 26 14 14 17 19 23 33 11 9 21 37 6 3 13 1 23 25 24 19 5 32 31 25 34 22 39 2 21 3

Participant's output
63206

Jury's answer
63206

Checker comment
ok 1 number(s): "63206"

22

Time: 156 ms, **memory**: 4440 KB

Verdict: OK

Input
1
100000
5 15 59 1 40 19 19 14 7 36 53 0 22 49 27 7 56 31 12 34 56 5 16 29 42 48 40 34 34 10 2 30 27 46 8 57 51 7 20 50 50 9 21 60 42 36 11 54 58 3 49 20 5 33 25 50 21 23 28 16 40 35 2 8 4 16 23 22 31 7 8 32

Participant's output
43707

Jury's answer
43707

Checker comment
ok 1 number(s): "43707"

23

Time: 156 ms, **memory**: 4436 KB

Verdict: OK

Input
1
100000
59 66 23 46 19 37 59 30 68 62 8 52 48 33 28 11 65 57 51 32 50 27 50 23 19 10 35 66 22 8 64 9 11 43 48 57 61 17 48 45 42 46 38 70 6 42 40 40 32 35 8 36 43 58 52 61 51 48 52 54 65 62 64 41 61 67 48 58

Participant's output
33703

Jury's answer
33703

Checker comment
ok 1 number(s): "33703"

24

Time: 156 ms, **memory**: 4436 KB

Verdict: OK

Input
1
100000
55 21 53 42 16 17 45 25 80 36 31 7 11 48 71 78 48 26 14 50 58 60 65 4 29 70 22 16 26 55 47 16 72 34 50 12 66 70 13 67 78 57 44 36 75 76 33 40 30 49 35 69 11 5 73 63 32 6 42 49 78 59 1 77 29 65 45 21

Participant's output

21524

Jury's answer
21524

Checker comment
ok 1 number(s): "21524"

25

Time: 140 ms, **memory**: 4428 KB

Verdict: OK

Input
1
100000
57 44 8 64 4 50 13 82 85 3 59 88 28 0 71 4 34 60 14 1 4 14 68 64 31 70 89 46 63 86 82 49 76 76 87 45 88 62 52 52 31 80 51 62 14 38 88 55 74 15 84 0 6 83 19 73 36 89 53 29 57 20 79 41 79 29 72 44 28

Participant's output
10296

Jury's answer
10296

Checker comment
ok 1 number(s): "10296"

26

Time: 140 ms, **memory**: 4428 KB

Verdict: OK

Input
1
100000
76 26 8 33 2 69 50 75 28 11 25 0 56 66 36 40 25 38 14 16 82 15 0 3 57 11 13 37 91 43 71 12 87 43 49 46 67 31 10 57 9 3 9 0 10 9 5 5 58 32 7 59 6 50 15 3 23 78 65 68 28 44 28 25 20 41 44 60 42 45 20

Participant's output
36567

Jury's answer
36567

Checker comment
ok 1 number(s): "36567"

27

Time: 156 ms, **memory**: 4432 KB

Verdict: OK

Input
1
100000
2 69 5 33 64 21 17 8 25 11 14 15 9 11 2 38 26 38 10 30 32 22 26 35 6 12 20 13 10 7 16 41 8 31 23 11 37 14 53 2 4 17 44 43 58 37 19 8 66 1 5 47 70 44 13 20 41 8 0 11 16 15 5 1 87 14 12 16 52 15 10 5

Participant's output
52863

Jury's answer
52863

Checker comment
ok 1 number(s): "52863"

28

Time: 171 ms, **memory**: 4432 KB

Verdict: OK

Input
1
100000
3 20 33 67 2 36 6 18 20 0 31 19 14 16 39 2 66 7 57 9 15 63 14 10 34 20 35 8 53 9 1 5 31 11 38 51 0 3 25 6 3 56 3 50 1 31 22 15 3 1 6 0 15 1 4 13 14 15 17 4 2 37 38 23 22 55 0 2 29 12 25 29 7 48 20 1

Participant's output
62732

Jury's answer
62732

Checker comment
ok 1 number(s): "62732"

29

Time: 156 ms, **memory**: 4432 KB

Verdict: OK

Input
1
100000
0 11 11 27 5 21 16 1 10 8 36 26 4 7 16 2 3 0 15 20 3 5 10 3 9 5 56 13 16 0 2 9 28 0 4 21 9 6 6 11 6 0 27 0 25 15 1 19 11 1 7 33 17 10 1 0 1 27 17 37 5 11 42 12 16 16 6 12 2 5 3 66 14 6 14 16 0 18 0

Participant's output
73712

Jury's answer
73712

Checker comment
ok 1 number(s): "73712"

30

Time: 139 ms, **memory**: 4420 KB

Verdict: OK

Input
1
100000
4 9 3 9 0 0 15 26 18 2 17 21 1 3 2 2 0 9 3 19 3 7 18 5 4 3 24 2 4 6 8 10 5 2 17 3 1 12 14 16 10 11 2 8 31 35 1 5 3 9 17 14 5 0 3 13 6 4 23 5 5 5 1 5 0 0 20 14 4 14 8 30 1 4 8 7 3 8 1 14 21 8 24 1 1

Participant's output
85118

Jury's answer
85118

Checker comment
ok 1 number(s): "85118"

31

Time: 156 ms, **memory**: 4436 KB

Verdict: OK

Input
1
100000
0 8 2 2 5 4 0 3 2 1 5 2 3 8 1 3 1 9 3 6 2 0 5 0 4 0 0 0 0 1 1 4 0 0 15 0 9 3 3 0 0 14 1 6 14 9 15 14 1 6 11 6 7 9 1 0 1 0 1 6 0 3 1 5 3 0 3 5 0 3 2 4 1 2 7 11 1 7 1 6 0 2 4 5 1 1 10 1 4 3 1 7 1 3 3

Participant's output
92230

Jury's answer
92230

Checker comment
ok 1 number(s): "92230"

32

Time: 171 ms, **memory**: 4436 KB

Verdict: OK

Input
1
100000
5 1 0 0 1 1 0 1 1 2 0 0 1 2 0 2 5 0 0 0 4 0 0 1 1 2 0 3 2 1 0 3 4 3 2 3 0 5 1 0 3 1 1 0 5 0 0 3 1 2 1 4 2 5 3 0 0 2 2 0 2 0 2 1 3 0 1 1 1 2 6 0 0 2 0 3 1 2 2 3 0 2 2 1 0 0 0 0 2 0 0 2 6 4 1 0 3 1 0

Participant's output
97122

Jury's answer
97122

Checker comment
ok 1 number(s): "97122"

33

Time: 156 ms, **memory**: 4444 KB

Verdict: OK

Input

```
1
100000
0 1 0 0 1 1 1 0 1 0 0 0 0 3 0 0 2 2 0 0 2 0 0 0 0 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0 0 2 0 0 0 0 0 0 1 0 2 0 0 1 0 2 3 0 0 0 2 1 1 1 1 0 0 0 3 1 0 1 1 3 3 0 0 1 0 5 2 0 1 0 0 0
```

Participant's output

```
98856
```

Jury's answer

```
98856
```

Checker comment

```
ok 1 number(s): "98856"
```