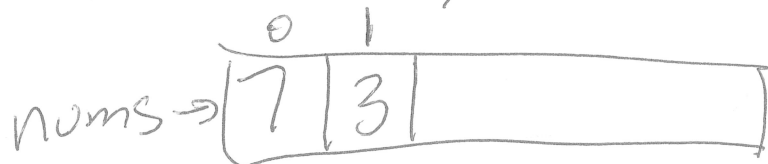


Vector

```
vector<int> nums;
```



```
nums.push_back(7);
```

```
nums.push_back(3);
```

```
cin >> n;
```

```
for (int i = 0; i < n; i++) {
```

```
    int x;
```

```
    cin >> x;
```

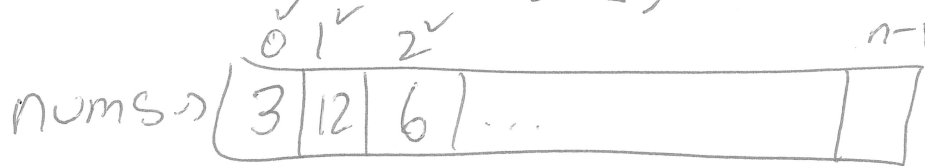
```
    nums.push_back(x);
```

```
}
```

```
vector<int> nums(n);
```

```
for (int i = 0; i < n; i++)
```

```
    cin >> nums[i];
```



nums.size() # elements

Valid indexes 0 to size()-1.

① 2 3 4 ⑤

Down time

3, 1234, 1236, 1947, 2000, 3000

If we have X events and each server does k , ans is $\lceil \frac{X}{k} \rceil$.

X, k are ints

$$\lceil \frac{X}{k} \rceil = \underline{\underline{(X+k-1) / k;}}$$

How to do
ceiling
function
in code.