4. Elevator

Program Name: Elevator.java   Input File: elevator.dat

Every elevator at the school has a sign that states that the maximum weight allowed on the elevator is 2000 pounds. You are to write a program that will print the number of people that will be allowed to ride on an available elevator at one time.

Input

The first line of input will contain a single integer n that indicates the number of available elevators. The next n lines will each contain a list of weights of the students waiting for an available elevator in the order that they will enter the elevator. The weights will be separated by a single space. Once an elevator is full, the remaining students in that line must use the stairs.

Output

For each elevator, you will print the number of students who can ride that elevator.

Example Input File

```
3
150 270 120 178 302 245 230 124 145 267 232 125 245 98 110 237
323 232 134 232 342 231 145 176 156 238 214 125
231 324 324 265 215 324 321 148 153 131
```

Example Output to Screen

```
9
9
6
```