Problem E
Coin Collector
Input: Standard Input
Output: Standard Output

Our dear Sultan is visiting a country where there are **n** different types of coin. He wants to collect as many different types of coin as you can. Now if he wants to withdraw **X** amount of money from a Bank, the Bank will give him this money using following algorithm.

```
withdraw(X){
    if( X == 0) return;
    Let Y be the highest valued coin that does not exceed X.
    Give the customer Y valued coin.
    withdraw(X-Y);
}
```

Now Sultan can withdraw any amount of money from the Bank. He should maximize the number of different coins that he can collect in a single withdrawal.

Input:

First line of the input contains **T** the number of test cases. Each of the test cases starts with **n ($1 \leq n \leq 1000$)**, the number of different types of coin. Next line contains n integers $C_1, C_2, ... , C_n$ the value of each coin type. $C_1 < C_2 < C_3 < ... < C_n < 1000000000$. C_1 equals to 1.

Output:

For each test case output one line denoting the maximum number of coins that Sultan can collect in a single withdrawal. He can withdraw infinite amount of money from the Bank.

Sample Input	Sample Output
2 6 1 2 4 8 16 32 6 1 3 6 8 15 20	6 4