

Shopkeeper Order

Mr. Rahman is our Village Shopkeeper. He Sell Only Oil. Every day have n client Order and delivery the order next day. His client keep their require oil dram in his shop. He have Different size of oil dram to fill the client dram. Every day he collect his order and select a dram which can fulfill all his client order without any fraction. Suppose today he got 5 client's Order. 10 liter, 30 liter, 40 liter, 75 liter and 25 liter. Now he can choose a 5 liter dram to fulfill all the customer dram.

Now help Mr. Rahman to choose the maximum size of oil dram which can fulfill all the client dram.

Input

The first line contains the number of test cases $T \leq 100$. Each of the next lines contains an integer $N \leq 10^5$. Next line give N integer a_i, a_{i+1} where a_i is the order of i^{th} customer.

$$1 \leq a_i \leq 10^9$$

Output

Output T lines one for each test case print Case No and the maximum size of Mr. Rahman oil dram.

Sample:

| Input | Output |
|----------------|-----------|
| 2 | |
| 5 | |
| 10 30 40 75 25 | Case 1: 5 |
| 4 | Case 2: 2 |
| 4 10 40 12 | |