Problem
Wonderful sub-array

Given an array of n positive integers $A = \{a_1, a_2, ..., a_n\}$. A sub-array $A[i, j]$ of array A is a sequence of continuous elements of A, *i.e.*, $A[i, j] = \{a_i, a_{i+1}, ..., a_j\}$ (where $1 \leq i \leq j \leq n$).

Given an integer m, your task is to find a wonderful sub-array of A satisfied some below conditions:

- This sub-array contains m as the strictly minimum element. In other words, m is the minimum value in this sub-array and only one element has value which is equal m.
- The sum of all its elements is maximum.

Note: Assume that the array A always contains at least one element with value m.

Input

The input consists of several tests. The first line of the input contains the number of test cases, which is a positive integer and is not greater than 50. The following lines describe the test cases. Each test case is described by the following lines:

- The first line contains 2 positive integers n and m ($1 \leq n \leq 10^5, 1 \leq m \leq 2^6$).
- The second line contains n positive integers, each with value at most 2^6.

Output

For each test case, write out on one line the sum of elements in the wonderful sub-array.

Sample Input

```
1
6 2
1 3 2 6 2 4
```

Sample Output

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12
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