Maximum product

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Given an array A[] of n integers, the task is to find a subsequence of size k whose product is maximum among all possible k sized subsequences of given array.

Input:
First line consists of T test cases. First line of every test cases consists of N, denoting the number of elements in an array. Second line consists of elements of array.

Output:
Single line output, print the maximum possible product.

Constraints:
1<=T<=100
1<=N<=10000
1<=K<=N
1<=Ai<=1000

Example:
Input:
2
4 3
8 6 4 6
7 3
10 2 3 8 1 10 4
Output:
288
800