10 Klee likes making friends

时间限制：1000ms 空间限制：64MB

10.1 题目描述

Klee likes to make friends,now there are n people standing in a line and Klee can make friend with the ith people with a cost of a_i, Klee has a principle that at least 2 out of m consecutive people must be her friends.Please help her calculate the minimum amount of costs she needs.

10.2 输入格式

The first line of the input contains a single integer $T(1 \leq T \leq 20)$indicating the number of test cases.
In each test case:
The first line contains two integers$n, m.(2 \leq n \leq 20000, 2 \leq m \leq 2000, m \leq n)$
The second line contains n intergers $a_1, a_2, ..., a_n$ $(0 \leq a_i \leq 20000)$
It's guarenteed that in all test cases, $\sum n \leq 50000$

10.3 输出格式

For each test case:
You need to print a integers represents the smallest cost.

10.4 输入输出样例

输入样例：
1
7 3
1 5 7 2 1 4 8
输出样例：
13