时间限制：C/C++/Rust/Pascal 3秒，其他语言6秒

空间限制：C/C++/Rust/Pascal 512 M，其他语言1024 M

64bit IO Format: %lld

题目描述

Alice and Bob play a game on an array A of length N, where all elements are positive integers. The rules are as follows:

1. Players take turns, with Alice going first.
2. On each turn, a player can:
   - Remove the leftmost element of the array, or
   - Remove the rightmost element of the array.
3. If after a player's move, the sum of the remaining elements $\leq s$, that player loses the game.

Given the initial array, you need to process Q queries. For each query with a different s, determine whether Alice has a winning strategy.

输入描述：

The first line contains an integer N ($1 \leq N \leq 10^5$), the length of the array.

The second line contains N integers A_i ($1 \leq A_i \leq 10000$), the elements of the array.

The third line contains an integer Q ($1 \leq Q \leq 10^5$), the number of queries.

The next Q lines each contain an integer s ($1 \leq s < \sum A$), the threshold for the current query.

输出描述：

For each query s, output one line:

If Alice has a winning strategy, output "Alice".

Otherwise, output "Bob".

示例1