**Problem Statement:**

A post on Facebook is considered more popular if:

* The number of likes on the post is strictly greater than the number of likes on another post.
* In case the number of likes is the same, the post with more comments is more popular.

Given two arrays A and B of size N, where:

* A[i] represents the number of likes on the iii-th post.
* B[i] represents the number of comments on the iii-th post (comments are distinct).

Determine which post is the most popular based on the rules above.

**Input Format:**

* The first line contains a single integer TTT, the number of test cases.
* Each test case consists of:
  + The first line containing an integer NNN, the number of posts.
  + The second line containing NNN space-separated integers A1,A2,…,ANA\_1, A\_2, \dots, A\_NA1​,A2​,…,AN​, representing the likes on each post.
  + The third line containing NNN space-separated integers B1,B2,…,BNB\_1, B\_2, \dots, B\_NB1​,B2​,…,BN​, representing the comments on each post.

**Output Format:**

For each test case, print on a new line an integer in the range 111 to NNN, denoting the index of the post which is most popular.

**Constraints:**

* 1≤T≤10001 \leq T \leq 10001≤T≤1000
* 1≤N≤1051 \leq N \leq 10^51≤N≤105
* 1≤Ai,Bi≤2⋅1051 \leq A\_i, B\_i \leq 2 \cdot 10^51≤Ai​,Bi​≤2⋅105
* The elements of array BBB are distinct.
* The sum of NNN over all test cases does not exceed 2⋅1052 \cdot 10^52⋅105.

**Sample Input:**

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4

3

5 4 4

1 2 3

3

10 10 9

2 5 4

3

3 3 9

9 1 3

4

2 8 1 5

2 8 1 9

**Sample Output:**

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1

2

3

2

**Explanation:**

1. In the first test case, the first post has the highest likes (5), so it's the most popular.
2. In the second test case, the first and second posts have equal likes (10), but the second post has more comments, making it more popular.
3. In the third test case, the third post has the most likes (9), so it's the most popular.
4. In the fourth test case, the second post has the most likes (8), making it the most popular.