**Dairy Milk Competition**

Anuj loves Dairy Milk and games involving eating them. Anuj and Ankit play the following game. Ankit eats 1 candy, then Anuj eats 2 Dairy Milk, then Ankit eats 3 Dairy Milk, then Anuj eats 4 Dairy Milk, and so on. Once someone can't eat what he is supposed to eat, he loses.

Ankit can eat at most **A** Dairy Milk in total (otherwise he would become sick), while Anuj can eat at most **B** Dairy Milk in total. Who will win the game? Print "Ankit" or "Anuj" accordingly. It is given that always Ankit starts the game.

**Input**

The first line of the input contains an integer **T** denoting the number of test cases. The description of **T** test cases follows.

The only line of each test case contains two space separated integers **A** and **B** denoting the maximum possible number of Dairy Milk Ankit can eat and the maximum possible number of Dairy Milk Anuj can eat respectively.

**Output**

For each test case, output a single line containing one string — the name of the winner ("Ankit" or "Anuj" without the quotes).

**Constraints**

* 1 ≤ **T** ≤ 1000
* 1 ≤ **A, B** ≤ 1000

**Example**

**Input:**

10

3 2

4 2

1 1

1 2

1 3

9 3

9 11

9 12

9 1000

8 11

**Output:**

Anuj

Ankit

Ankit

Anuj

Anuj

Ankit

Ankit

Anuj

Anuj

Anuj

### Explanation

**Test case 1.** We have **A** = 3 and **B** = 2. Ankit eats 1 candy first, and then Anuj eats 2 candies. Then Ankit is supposed to eat 3 candies but that would mean 1 + 3 = 4 candies in total. It's impossible because he can eat at most **A=3** candies, so he loses. Anuj wins, and so we print "Anuj".

**Test case 2.** Now we have **A** = 4 and **B** = 2. Ankit eats 1 candy first, and then Anuj eats 2 candies, then Ankit eats 3 candies (he has 1 + 3 = 4 candies in total, which is allowed because it doesn't exceed **A=4**). Now Anuj should eat 4 candies but he can't eat even a single one (he already ate 2 candies). Anuj loses and Ankit is the winner.

**Test case 8.** We have **A** = 9 and **B** = 12. The game looks as follows:

* Ankit eats 1 candy.
* Anuj eats 2 candies.
* Ankit eats 3 candies (4 in total).
* Anuj eats 4 candies (6 in total).
* Ankit eats 5 candies (9 in total).
* Anuj eats 6 candies (12 in total).
* Ankit is supposed to eat 7 candies but he can't — that would exceed **A**. Anuj wins.