Armies

Two enemy countries - *Bajtocja* and *Megabajtolandia* - are preparing for crucial war with each other. Each country has built an army consisting of some number of divisions, and each division consists of some number of soldiers. The way of waging the war, given by strategists from each country, consists of sending the division with the most man power to fight, i.e. starting from the most numerous division to the least.

Thus, first each country will send its division with the most man power. If one of these divisions has more soldiers than the other, then the war is over and the winner is the owner of the larger division. If the man power of each of the divisions sent is the same then all the soldiers will kill each other and the next most numerous division is sent to fight. The man powers of the second divisions decide the war if and only if they are not the same. If not, the battle is carried on in aforementioned way. If, at some moment, one army runs out of divisions and the second one does not, then the war is over and the first army is the loser. If both armies run out of divisions then the war is over and there is a draw.

Give the result of the war, without any blood and murder.

Write a program, which:

- reads from standard input the description of *Bajtocja's* and *Megabajtolandia's* army, respectively,
- computes the result of the war,
- writes it to standard output.

Input

The first line of input contains one integer D ($1<=D<=30$) meaning the number of test cases. The description of each test case contains 4 lines. In the first, there is one integer B ($1 <= B <= 50\ 000$) meaning the number of divisions in *Bajtocja's* army. The second line contains B integers b_i ($1 <= b_i <= 1\ 000\ 000\ 000$) (separated by single space) meaning the man power (the number of soldiers) of consecutive divisions of *Megabajtolandia's* army. In the third line, there is one integer M ($1 <= M <= 50\ 000$) meaning the number of divisions of *Megabajtolandia's* army. The fourth line contains M integers m_i ($1 <= m_i <= 1\ 000\ 000\ 000$) (separated by single space) meaning the man power of consecutive divisions of *Megabajtolandia's* army.

Output

For each test case, your program should write, in separate lines, exactly one word:

- "Bajtocja" in case the winner is *Bajtocja*,
- "Megabajtolandia" in case the winner is *Megabajtolandia*,
- "Draw" in case of a draw.

Example

Sample input:

3
3
1 3 4
3
4 4 1
4
2 5 3 4
3
5 6 4
4
6 1 2 5
4
5 2 6 1

Sample output:
Megabajtolandia
Megabajtolandia
Draw