**Problem:**

Vision and Antman must retrieve a powerful artifact located on a dangerous planet. The location of the artifact is X, Vision’s starting position is X1 and Antman’s starting position is X2.

They found out that the planet is guarded by the mighty Thanos and his army. They must run to the artifact while avoiding the attacks of Thanos and his army. Vision runs with speed V1 and Antman with speed V2.

Your task is to figure out who reaches the artifact first and retrieves it (of course, it is possible that both reach the artifact at the same time).

**Input:**

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

The first and only line of each test case contains five space-separated integers X, X1, X2, V1 and V2.

**Output:**

For each test case, print a single line containing the name of the hero (in capital) who retrieves the artifact first or "BOTH" if both heroes retrieve the artifact at the same time.

**Constraints:**

1 ≤ T ≤ 100

0 ≤ X, X1, X2 ≤ 105

1 ≤ V1, V2 ≤ 103

**Explanation:**

**Example 1:**

Vision must cover 10-unit distance with 2-unit speed. He will take 5-unit time.

Antman must cover 10-unit distance with 1-unit speed. He will take 10-unit time.

Vision takes less time.

**Example 2:**

Vision must cover 9-unit distance with 3-unit speed. He will take 3-unit time.

Antman must cover 8-unit distance with 4-unit speed. He will take 2-unit time.

Antman takes less time.

**Example 3:**

Both will take 5-unit time.