

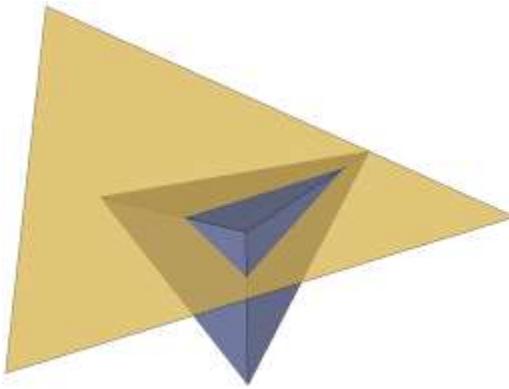
Evil Ninja vs. Tetra-Bot

Filenames: *ninja*, *ninja_small* (for partial credit)

Time limit: *1 second*

Tetra-Bot, a robot in the shape of a tetrahedron (a solid with four triangular faces), flies across the universe helping creatures of all kinds. Unfortunately the Evil Ninja does not like Tetra-Bot's escapades and seeks to destroy Tetra-Bot with his Extra Powerful Nunchucks. These nunchucks are so powerful that Evil Ninja can choose a single plane in 3D space and the Extra Powerful Nunchucks will slice (and destroy) any three dimensional object that has even a single point on the plane. (So, even if only one of Tetra-Bot's vertices is on the plane, he is toast!)

Help the Universe determine if Evil Ninja's Extra Powerful Nunchucks will destroy Tetra-Bot or not!



The Problem

Given a plane and a tetrahedron, determine if the plane intersects the tetrahedron.

The Input

The first line of input will contain a single positive integer, c ($c \leq 100$), representing the number of input cases to process. The input cases follow. Each input case consists of seven lines. Each of these lines will consist of three space separated integers, x ($-500 \leq x \leq 500$), y ($-500 \leq y \leq 500$), and z ($-500 \leq z \leq 500$), representing a point in three dimensional space. Specifically, the first three of the seven lines will contain three non-collinear points which define the plane that Evil Ninja is deploying his Extra Powerful Nunchucks. The last four of the seven lines will contain four points which define a tetrahedron with positive volume.

Partial Credit Input (50%)

The input plane given for each case will be the regular Cartesian Plane with $z = 0$ for all three input points.

The Output

For each input case, output a single line with either the string “Tetra-Bot Survives!” or “Evil Ninja Prevails!”. Output the first message if the plane does NOT intersect the tetrahedron and output the second message if the plane does intersect the tetrahedron.

Sample Input

```
2
3 4 0
6 1 0
14 13 0
-1 -1 -1
-7 -3 -2
-1 -1 -9
3 5 -2
0 0 0
1 0 1
0 1 1
3 4 17
3 19 15
200 400 391
100 100 16
```

Sample Output

```
Tetra-Bot Survives!
Evil Ninja Prevails!
```

Note: Only the first case would be valid input for the partial credit input.