A **Directi** Educational Initiative

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From heaven to earth   Problem Code: **ELEVSTRS**   Submit (/COOK85/submit/ELEVSTRS)

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Read problems statements in **mandarin chinese (http://www.codechef.com/download/translated/COOK85/mandarin/ELEVSTRS.pdf), russian (http://www.codechef.com/download/translated/COOK85/russian/ELEVSTRS.pdf) and vietnamese (http://www.codechef.com/download/translated/COOK85/vietnamese/ELEVSTRS.pdf) as well.**

Chef has been working in a restaurant which has **N** floors. He wants to minimize the time it takes him to go from the **N**-th floor to ground floor. He can either take the elevator or the stairs.

The stairs are at an angle of **45** degrees and Chef's velocity is V_1 m/s when taking the stairs down. The elevator on the other hand moves with a velocity V_2 m/s. Whenever an elevator is called, it always starts from ground floor and goes to **N**-th floor where it collects Chef (collecting takes no time), it then makes its way down to the ground floor with Chef in it.

The elevator cross a total distance equal to **N** meters when going from **N**-th floor to ground floor or vice versa, while the length of the stairs is **sqrt(2) * N** because the stairs is at angle **45** degrees.
Chef has enlisted your help to decide whether he should use stairs or the elevator to minimize his travel time. Can you help him out?

Input

The first line contains a single integer **T**, the number of test cases. Each test case is described by a single line containing three space-separated integers **N**, V_1, V_2.

Output

For each test case, output a single line with string **Elevator** or **Stairs**, denoting the answer to the problem.

Constraints

- **1 ≤ T ≤ 1000**
- **1 ≤ N, V_1, V_2 ≤ 100**

Example

```
Input:
3
5 10 15
2 10 14
7 14 10

Output:
Elevator
Stairs
Stairs
```

Author:	melnik (/users/melnik)
Tester:	6★ kingofnumbers (/users/kingofnumbers)
Date Added:	17-08-2017
Time Limit:	1 secs
Source Limit:	50000 Bytes
Languages:	ADA, ASM, BASH, BF, C, C99 strict, CAML, CLOJ, CLPS, CPP 4.3.2, CPP 6.3, CPP14, CS2, D, ERL, FORT, FS, GO, HASK, ICK, ICON, JAVA, JS, kotlin, LISP clisp, LISP sbcl, LUA, NEM, NICE, NODEJS, PAS fpc, PAS gpc, PERL, PERL6, PHP, PIKE, PRLG, PYPY, PYTH, PYTH 3.5, RUBY, rust, SCALA, SCM chicken, SCM guile, SCM qobi, ST, swift, TCL, TEXT, WSPC

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CodeChef (http://www.codechef.com) - A Platform for Aspiring Programmers
CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section (https://www.codechef.com/problems/easy) - A Place to hone your 'Computer Programming Skills'
Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

Compete (https://www.codechef.com/problems/easy) - Monthly Programming Contests and Cook-offs
Here is where you can show off your **computer programming skills**. Take part in our 10 day long monthly coding contest and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), $700 (for Global Community) and lots more CodeChef goodies up for grabs.

Programming Tools   **Practice Problems**

Online IDE (https://www.codechef.com/ide)   Easy (https://www.codechef.com/problems/easy)

Upcoming Coding Contests (http://www.codechef.com/contests#FurtureContests)

Contest Hosting (http://www.codechef.com/hostyourcontest)

Problem Setting (http://www.codechef.com/problemsetting)

CodeChef Tutorials (http://www.codechef.com/wiki/tutorials)

CodeChef Wiki (https://www.codechef.com/wiki)

Medium (https://www.codechef.com/problems/medium)

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Campus Chapters (http://www.codechef.com/campus_chapter/about)

Domain Registration in India (http://www.bigrock.in/) and Web Hosting (http://www.bigrock.com/web-hosting/) powered by BigRock