

Road Race

Input File: roadrace.txt

You are competing with your friend to see who can travel across the United States and make it through all the major cities the fastest. Your starting position is in Seattle and your ultimate target is Miami. However, there are no direct paths to Miami; you must travel through other cities on your way there. You must print the cities that you travel through which allows you to take the shortest route from Seattle to Miami.

Input:

An integer N, followed by N lines. Each of the following lines contains a city name, followed by a space and another city name, with an integer afterwards representing the distance between the two cities.

Output:

Print the cities (in order) that you must travel through that allows you to take the shortest route to Miami. Include Seattle at the beginning and Miami at the end.

Example Input:

```
9
Boise Detroit 13
Seattle Sacramento 10
Phoenix Dallas 18
Detroit Sacramento 15
Seattle Portland 5
Miami Detroit 14
Dallas Miami 8
Phoenix Seattle 12
Dallas Boise 7
```

Example Output:

```
Seattle Phoenix Dallas Miami 38
```