using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

//int n = 5;

//string[] burgers = { "8 1", "4 2", "5 6", "3 1", "4 3" };

//int n =2;

//string[] burgers = { "1 1", "1 1" };

int n = int.Parse(Console.ReadLine());

string[] burgers = new string[n];

int i;

for (i = 0; i < n; i++)

{

burgers[i] = Console.ReadLine();

}

Dictionary<int, int> diccio = new Dictionary<int, int>();

i =0;

foreach (string elem in burgers)

{

diccio[i] = int.Parse(elem.Split(' ')[0]) + int.Parse(elem.Split(' ')[1]);

i++;

}

//foreach (KeyValuePair<int, int> kvp in diccio)

//{

// Console.WriteLine(kvp.Key + " " + kvp.Value);

//}

var items = from pair in diccio

orderby pair.Value ascending

select pair;

//Console.WriteLine();

foreach (KeyValuePair<int, int> kvp in items)

{

//Console.WriteLine(kvp.Key + " " + kvp.Value);

Console.Write((kvp.Key + 1) + " ");

}

Console.ReadLine();

}

}

}