Jan 25 - CSE102

Online 1 (B1/B2)

Problem 1

You are given a 3 digit number. You have to output whether it is an armstrong number. A number is called an Armstrong number if the sum of the cubes of its digits equals the number itself. For example $370 = 3^3 + 7^3 + 0^3$

Sample Input	Sample Output
370	Armstrong Number
153	Armstrong Number
123	Not Armstrong Number

Problem 2

Given four coordinates a, b, c and d, output whether ab and cd are coincident, parallel or intersecting (coordinates of a, b, c and d are given on separate lines in order).

Sample Input	Sample Output
0 0 4 4 2 2 6 6	Coincident
2 2 6 6 0 1 4 5	Parallel
2 -1 2 3 0 0 4 0	Intersecting