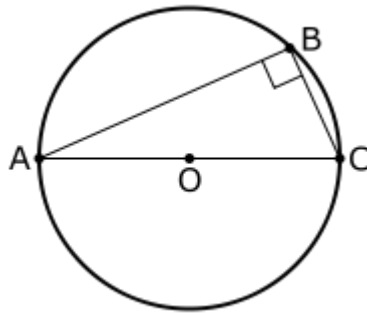


Problem #10

Thales' Triangle



In geometry, Thales' theorem (named after Thales of Miletus, an ancient Greek philosopher) states that if A, B and C are points on a circle where the line AC is a diameter of the circle, then the angle ABC is a right angle. Thales' theorem is a special case of the inscribed angle theorem.

Write a program that can accept 3 points, ABC in the Cartesian plane (xy-plane). Your program should check the input and determine if the triangle formed by the input is a Thale's triangle.

Assume that all input re

Example1:

Input A> 2 0

Input B> -2 0

Input C> 0 2

Output> ABC is a Thales Triangle

Example2:

Input A> 10 0

Input B> 8 0

Input C> 2 2

Output> ABC is not a Thales Triangle