## 3.Points Validation

Write a JS program that receives two points in the format **[x1, y1, x2, y2]** and checks if the distances between each point (**x, y**) and the start of the Cartesian coordinate system (**0, 0**) and between the points themselves is **valid**. A distance between two points is considered **valid** if it is an **integer value**.

* In case a distance is **valid** print: **`{x1, y1} to {x2, y2} is valid`**
* In case the distance is **invalid** print: **`{x1, y1} to {x2, y2} is invalid`**

The order of **comparisons** should always be first **{x1, y1}** to **{0, 0}**, then **{x2, y2}** to **{0, 0}** and finally **{x1, y1}** to **{x2, y2}**.

The **input** consists of two points given as an array of numbers.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| [3, 0, 0, 4] | {3, 0} to {0, 0} is valid  {0, 4} to {0, 0} is valid  {3, 0} to {0, 4} is valid |
| [2, 1, 1, 1] | {2, 1} to {0, 0} is invalid  {1, 1} to {0, 0} is invalid  {2, 1} to {1, 1} is valid |

### Hints

You can use the following **formula** to help you calculate the distance between the **points** (x1, y1) and (x2, y2).

