You are given two jugs with capacities *x* and *y* litres. There is an infinite amount of water supply available. You need to determine whether it is possible to measure exactly *z* litres using these two jugs.

If *z* liters of water is measurable, you must have *z* liters of water contained within **one or both buckets** by the end.

Operations allowed:

* Fill any of the jugs completely with water.
* Empty any of the jugs.
* Pour water from one jug into another till the other jug is completely full or the first jug itself is empty.

**Example 1:** (From the famous [*"Die Hard"* example](https://www.youtube.com/watch?v=BVtQNK_ZUJg))

Input: x = 3, y = 5, z = 4

Output: True

**Example 2:**

Input: x = 2, y = 6, z = 5

Output: False