Once Mary heard a famous song, and a line from it stuck in her head. That line was "Will you still love me when I'm no longer young and beautiful?". Mary believes that a person is loved if and only if he/she is both young and beautiful, but this is quite a depressing thought, so she wants to put her belief to the test.

Knowing whether a person is young, beautiful and loved, find out if they contradict Mary's belief.

A person contradicts Mary's belief if one of the following statements is true:

* they are young and beautiful but not loved;
* they are loved but not young or not beautiful.

**Example**

* For young = true, beautiful = true and loved = true, the output should be  
  willYou(young, beautiful, loved) = false.

Young and beautiful people are loved according to Mary's belief.

* For young = true, beautiful = false and loved = true, the output should be  
  willYou(young, beautiful, loved) = true.

Mary doesn't believe that not beautiful people can be loved.

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] boolean young**
* **[input] boolean beautiful**
* **[input] boolean loved**
* **[output] boolean**

true if the person contradicts Mary's belief, false otherwise.

<https://codefights.com/arcade/code-arcade/at-the-crossroads/jZ4ZSiGohzFTeg4yb>

bool willYou(bool young, bool beautiful, bool loved)

{

if (young && beautiful && !loved) return true;

if (loved && (!young || !beautiful)) return true;

return false;

}