

# Problem A. I Scream

**Time limit** 2000 ms

**Mem limit** 1048576 kB

## Problem Statement

In Japan, there are four major categories of ice cream type products:

- an ice cream type product with at least 15 percent **milk solids** and at least 8 percent **milk fat** is called an *ice cream*;
- an ice cream type product with at least 10 percent **milk solids** and at least 3 percent **milk fat** that is not an ice cream is called an *ice milk*;
- an ice cream type product with at least 3 percent **milk solids** that is not an ice cream or an ice milk is called a *lacto ice*;
- an ice cream type product that is not an ice cream, an ice milk, or a lacto ice is called a *flavored ice*.

Here, **milk solids** consist of **milk fat** and **milk solids-not-fat**.

AtCoder's famous product *Snuke Ice* contains  $A$  percent **milk solids-not-fat** and  $B$  percent **milk fat**.

Which of the categories above does Snuke Ice fall into?

Print your answer as an integer according to the Output section.

## Constraints

- $0 \leq A \leq 100$
- $0 \leq B \leq 100$
- $A + B \leq 100$
- $A$  and  $B$  are integers.

## Input

Input is given from Standard Input in the following format:

$A$   $B$

## Output

Print an integer as follows:

- if Snuke Ice is an ice cream, print 1;
- if Snuke Ice is an ice milk, print 2;
- if Snuke Ice is a lacto ice, print 3;
- if Snuke Ice is a flavored ice, print 4.

### Sample 1

Input	Output
10 8	1

This product contains 10 percent milk solids-not-fat and 8 percent milk fat, for a total of 18 percent milk solids.

Since it contains not less than 15 percent milk solids and not less than 8 percent milk fat, it is an ice cream; the correct output is 1.

### Sample 2

Input	Output
1 2	3

Since it contains exactly 3 percent milk solids, it is not an ice cream or an ice milk but is a lacto ice; the correct output is 3.

### Sample 3

Input	Output
0 0	4

It is a flavored ice.