Author: Davor Ljubenkov, Aalborg University Supervisor: Sokol Kosta, Aalborg University

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Rectangle

The area of a rectangle is the rectangle's length times its width. Write a program that asks for the length and width of two rectangles. The program should tell the user which rectangle has the greater area, or if the areas are the same.

Input

Length and width of two rectangles.

Output

Output is the statement which rectangle is larger.

Sample input

Sample output

2	area 2 is greater than 1
$\frac{1}{4}$	
1	
2	
3	areas are the same
4	
4	
3	