



## Problem 01

Write a C program to take two integers as input and show who is bigger. If they are equal print as it is. See the sample input output for more clarification.

**Sample Input:**

5 10

10 2

4 4

**Sample Output:**

B is bigger

A is bigger

They are equal



## Problem 02

Write a C program to take three integers as input and show who is bigger. If they are equal print as it is. See the sample input output for more clarification.

**Sample Input:**

5 10 4

10 2 5

4 4 7

10 10 10

**Sample Output:**

B is bigger

A is bigger

C is bigger

They are equal

**Bonus Task, try if you can do this also**

2 10 10

5 3 5

7 7 5

B and C both are bigger

A and C both are bigger

A and B both are bigger



## Problem 03

Write a C program to take one non-negative integer as input and check if it is even or odd.

**Sample Input:**

5

8

**Sample Output:**

Odd

Even

## Problem 04

Write a C program to take one non-negative integer as input and print the grade according to that input. The grade system is shown below

0-32 -> F	60-69 -> A-
33-39 -> D	70-79 -> A
40-49 -> C	80-100 -> A+
50-59 -> B	

**Sample Input:**

65  
79  
95  
19

**Sample Output:**

A-  
A  
A+  
F



## Problem 05

Write a C program to take three non-negative integers as input and tell if it forms a valid triangle. A valid triangle is when sum of two sides are strictly greater than the third one. Print YES or NO. All sides must be valid (greater than 0).

**Sample Input:**

2 4 2

6 3 2

0 2 10

4 2 8

**Sample Output:**

NO

YES

NO

YES



## Problem 06

You have got **X** marks in your exam. As you are a good and regular student, if you ask your teacher he/she can give you at most **Y** bonus marks. Now you need to tell if you take bonus marks will your number became 100?

Write a C program to take two non-negative integers **X** and **Y** as input and print YES or NO.

**Sample Input:**

95 10

80 5

**Sample Output:**

YES

NO