**1. Write a java code for the following problem:**

Input:

5

Output:

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Input:

6

Output:

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**2. Write a java code for the following problem:**

You have to find out the sum for the following series:

**+**

Input:

2

Output:

sum = 6

Input:

3

Output:

sum = 20

Input:

4

Output:

sum = 50

**3. Write a java code for swaping two numbers without using any extra memory or temporary variable.**

Input:

4

9

Output:

a=9

b=4

Input:

10

12

Output:

a=12

b=10

You must not use any extra variable to swap two numbers. Think silently :)

**Hints:** Addition, Subtraction or ~~Bitwise XOR~~