# A test of "fundamentals of programming" 19 March 201 7 morning

## Task 6 . Two Numbers Sum

Write a program that checks **all the possible combinations of paired numbers** **in the range of two given numbers** **in reverse order**of the output is printed **which in turn is the combination,**the **sum of the numbers** **is equal** to the given **magic number** . If there is **No combination,**satisfying the condition are izpečatva **a message that could not be found**.

### Login

The input is read from the console and consists of **three rows**:

        **The first row**– **start of interval** - **an integer** in the range **[1... 1000 ]**

        **The second line**– **end of interval** - **an integer** in the range **[less than the first number. 1]**

        **Third row – the magic number — integer**in the interval **[1...10000]**

### Exit

The console must be printed **one line,**according to result:

        If you **found** **a combination** **,**the **sum of the numbers is equal to the magic number** **:**

o **"Combination N: {sequence number} ({first number} + {second number} = {magic number})"**

        If **not found**combination meets the condition:

o **"{the number of all combinations} combinations-neither equals {magic number}"**

### Sample input and output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | **Login** | **Exit** |
| 10  1  5 | Combination N:70 (4 + 1 = 5) | Vsičski combinations of two numbers between 1 and 10 are:  10 10 10 9 10 8,,, 10 7, 10 6. 10 5 10 3, 10 4, 10 2, 10 1 9 10,, ... 4 2, 4 1, 3 10 ... 1 3, 1 2, 1 1  The first combination whose sum of the numbers is equal to the magical number 5 is **the fourth (4 and 1) and is of 70-th position** | 888  88  1000 | Combination N:777 (888 + 112 = 1000) |
| **Login** | **Exit** | **Explanations** | **Login** | **Exit** |
| 24  23  20 | 4 combinations - neither equals 20 | Vsičski combinations of two numbers between 23 and 24 are: 24 24 24 23 23 24,,, 23 23 (total 4)  There are no pairs of numbers whose sum is equal to the magic 20 | 888  88  2000 | 641601 combinations - neither equals 2000 |