# A test of "fundamentals of programming" – 20 November 2016

## Task 6 . Battles

To **write a** **program**that **prints all the possible battles between the pokemonite** **of the two players**. As the input program reads the number sending Pokémon games for each player and a maximum number of fights. If **you reach** **the maximum number of fights, the program must be completed**.

### Login

From the console is **read exactly three numbers**, each on **a separate line**:

        **The number**sending Pokémon games **on the first** player – **General number in the range** **[1...100]**

        **The number**sending Pokémon games **on the second** player – **General number in the range** **[1...100]**

        **The maximum number of battles – an integer in the range [1...100]**

### Exit

|  |  |
| --- | --- |
| |  | | --- | | **({№ Pokemon} <-> {No Pokemon}) ({No Pokemon} <-> {No Pokemon})** | |

The console shall be **printed on one line** **, separated by a space**all the battles in the following format:

### Sample input and output

|  |  |
| --- | --- |
| **Login** | **Exit** |
| 2  2  6 | (1 <-> 1) (1 <-> 2) (2 <-> 1) (2 <-> 2) |
| **Login** | **Exit** |
| 2  2  3 | (1 <-> 1) (1 <-> 2) (2 <-> 1) |
| **Login** | **Exit** |
| 5  8  40 | (1 <-> 1) (1 <-> 2) (1 <-> 3) (1 <-> 4) (1 <-> 5) (1 <-> 6) (1 <-> 7) (1 <-> 8) (2 <-> 1) (2 <-> 2) (2 <-> 3) (2 <-> 4) (2 <-> 5) (2 <-> 6) (2 <-> 7) (2 <-> 8) (3 <-> 1) (3 <-> 2) (3 <-> 3) (3 <-> 4) (3 <-> 5) (3 <-> 6) (3 <-> 7) (3 <-> 8) (4 <-> 1) (4 <-> 2) (4 <-> 3) (4 <- > 4) (4 <-> 5) (4 <-> 6) (4 <-> 7) (4 <-> 8) (5 <-> 1) (5 <-> 2) (5 <-> 3) (5 <-> 4) (5 <-> 5) (5 <-> 6) (5 <-> 7) (5 <-> 8) |