C++ Advanced – Exam

The following tasks should be submitted to the SoftUni Judge system.

2. The Matrix

Given a matrix, write a program that calculates the SUM of the **prime** numbers BELOW the two diagonals.

HINT – a prime number is a number that can be divided by 1 and himself (1, 3, 5, 7, 13, 17 …)

The maximum size of matrix should be **100x100**

Examples

Input	Output	Comment
3 1 3 3 1 5 3 1 2 3	2	* 3 * 1 * 3 * 2 * * - Diagonals 2 - Is the prime number under the 2 diagonals
5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	8	* 2 3 4 * 1 * 3 * 5 1 2 * 4 5 1 * 3 * 5 * 2 3 4 * * - Diagonals 3 + 3 + 2 = 8 8 - Is the SUM of the prime numbers
3 1 1 1 1 1 1 1 1 1	1	