2018.3.1 - Dice

Costică is on vacation and his parents sent him to the countryside. Since he is bored out of his mind, he started looking through his grandfather's cupboard and came across a bag full of dice. Not having someone to play with, Costică started to stack the dice, as high as he could. Looking at the stack of dice, he got the idea to find out which are the numbers on the faces of the dice that are not seen. Realizing that although possible, that's rather complicated, and that he is rather lazy than curious, he decided to find out just the sum of all the numbers on all the faces of the dice that can't be seen.

Requirement

Given a number *N* of dice and the values on the visible faces of the dice, calculate the sum of all the faces not seen. Ignore the actual order of the numbers on the dice faces (the six numbers on the dice may occur in any arrangement).

Input data

On the first line from the standard input stream (*stdin*) there is a natural number *N*, representing the number of stacked dice. On the second line there are five distinct integers in the range [1; 6] representing the five visible faces for the upper dice, then the next *N*-1 lines each contain four numbers representing the four visible sides of the dice.

Output data

You must display a single positive integer that is the sum of the invisible dice faces.

Please read the requirement carefully! Displaying the results must be done exactly as it was requested! In other words, on the standard output stream you must not print anything in addition to the requirement of the problem; because of the automatic evaluation, any additional displayed characters other than those indicated, will leads to an incorrect result and therefore to a "fail" grade.

Restrictions and specifications

1. $1 \leq N \leq 100$
2. **Careful**: Depending on the programming language chosen, the file containing the code must have one of the extension .c, .cpp, .java, or .m. The web editor will not automatically add these extensions and their absence would prevent the compilation of the program!
3. **Careful**: The source file must be named <name>.<extension> where name is the surname of the candidate and the extension is chosen according to the previous point. Attention to restrictions imposed by Java for class and file names!

Examples

Input	Output
4 1 3 2 5 6 6 4 5 1 6 5 4 3 1 4 5 3	20
There are 4 dice. The first dice has the faces 1 3 2 5 and 6 visible, so its face that is not visible in 4. For the second die, we can see 6, 4, 1, 5, so the invisible ones are 2 and 3. For the third die, visible are 6, 5, 4 and 3, so we can't see 1 and 2. For the last dice, faces 1, 4, 3, 5 are shown, 2 and 6 are missing. Adding the invisible values, we get: 2 + 3 + 4 + 1 + 2 + 2 + 6 = 20	
2 1 2 3 4 5 1 2 3 4	17
There are only two dice, the first has the face 6 hidden and the second faces 5 and 6. Their sum is 17.	

Effective working time: 120 minutes