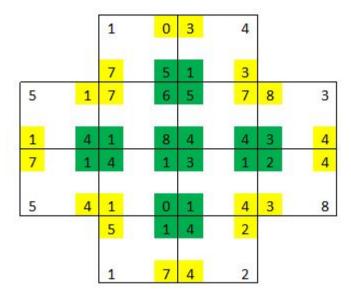
There are 12 squares with numbers between 0 and 9 in the corners that are placed in the following manner:



You need to switch the squares around so that:

- The sum of numbers of 4 touching corners would be 10 (marked in green on the picture)
- The sum of numbers of 2 or 3 corners touching would not be more than 10.

Input:

- Text file
- One line is four numbers, matching the numbers on a single square.
- The order of the lines and numbers is as follows:

						1		_	1		
			1		2	1		2			
				1			2				
			3		4	3		4			
1		2	1		2	1		2	1		2
	3			4			5			6	
3		4	3		4	3		4	3		4
1		2	1		2	1		2	1		2
	7			8			9			10	
3		4	3		4	3		4	3		4
			1		2	1		2			
				11			12				
			3		4	3		4			

Example of an input file: 1 0 7 5 3 4 1 3 5 1 1 4 7 6 1 8 5 7 4 4 8 3 3 4 7 1 5 4 4 1 1 0 3 1 1 4 2 4 3 8 5 1 1 7 4 2 4 2

End result, if successful positioning is found, should be printed out in the console.