

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

		1		0	3		4		
			7		5	1		3	
5		1	7		6	5		7	8
	1		4	1		8	4		4
	7		1	4		1	3		1
5		4	1		0	1		4	3
			5		1	4		2	
		1		7	4		2		

**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		2		1		2	
			1				2		
		3		4		3		4	
1		2		1		2		1	
	3		4		3		4		3
		1		2		1		2	
		3		4		3		4	
1		2		1		2		1	
	3		4		3		4		3
		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.