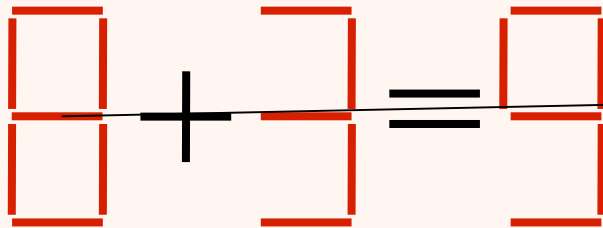


Level 3

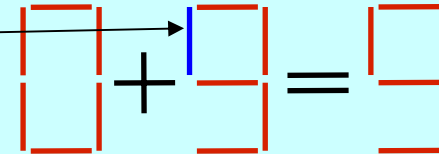
Catalysts

For correcting equations it is now also allowed to move one line segment (match) between digits. It is still OK to move the match within one digit. Overall, only one match can be moved.



The image shows the equation 8 + 3 = 9 constructed from matchsticks. A horizontal line segment is highlighted on the top bar of the digit 8, indicating it is the match to be moved.

correct transformation:



The image shows the transformed equation 7 + 3 = 9. The matchstick that was moved from the 8 is now on the top bar of the digit 7, changing it from 8 to 7.



further example:

$$1=2+6 \rightarrow 7=2+5$$

possible digit changes

- You can, for example, transform a 6 to a 5 by removing a match.

6 5

- By adding a match you can transform, for example, a 0 to 8.

0 8

Catalysts

	remove	add
0		8
1		7
2		
3		9
4		
5		6 9
6	5	8
7	1	
8	0 6 9	
9	3 5	8

input and output formats

Catalysts

input: *<wrong equation as term=term>*

- term with add (+) and subtract (-) operators
- no blanks
- example: $1=2+6$

output: *<correct equation as term=term>*

- term with add (+) and subtract (-) operators
- no blanks
- only one solution, also if several alternative solutions exist
- example: $7=2+5$

Press Request Tests to get test cases in the format described above.

Feed your program with these inputs.

Feed CatCoder with the outputs of your program.

Press Submit Tests so that CatCoder checks your results.