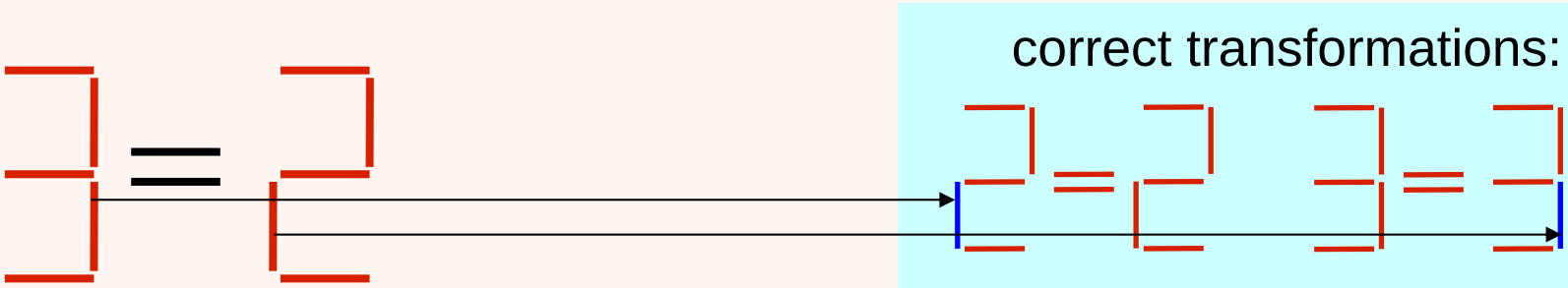
Level 1

Catalysts

Correct a wrong equation (one digit consists of red line segments, like matches). It is only allowed to move ONE line segment within a digit (blue line segment in the example).



hints:

Your solution should not only work for the digits 2 and 3, but for all digits 0 to 9.

further example:

5 = 3 ➔ 5=5 or 3=3

representation of digits

Catalysts

- the digits 0 to 9 can be represented by segment lines (matches) as shown in the left table column
- by moving a segment line within a digit, you can, for example, transform digit 0 to either digit 6 or digit 9

	move
0	6 9
1	
2	3
3	2 5
4	
5	3
6	0 9
7	
8	
9	0 6

input and output formats

Catalysts

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

- no blanks
- example: 3=2

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

- no blanks
- only one solution, also if several alternative solutions exist
- example: 3=3

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.