

DOMINO CASTLES VARIATIONS CONTEST

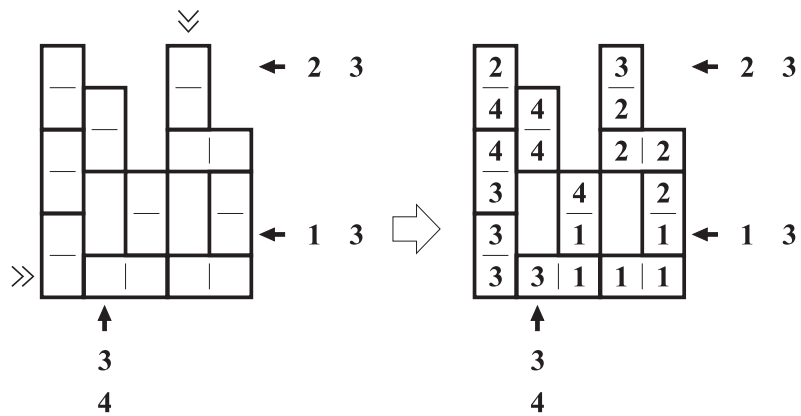
GENERAL RULES

Your goal is to build correct Domino Castle in each puzzle. Domino Castle is an interconnected figure formed by complete domino set (from 1-1 to 5-5 for small puzzles, from 1-1 to 7-7 for big puzzles and from 1-1 to 4-4 for examples). Each domino of the set is used exactly once. Domino halves which share an edge should have the same digit.

Answer format: First write the digits of the castle in row marked with double arrow, then the digits from marked column. For the given examples the answer would be: 33111, 3221

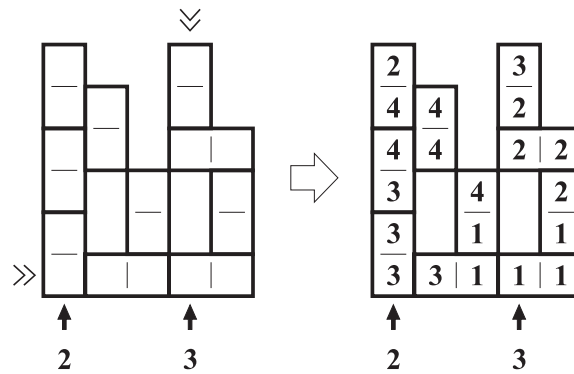
1-2. CLASSIC

Clues outside show all digits of the castle in the corresponding direction.



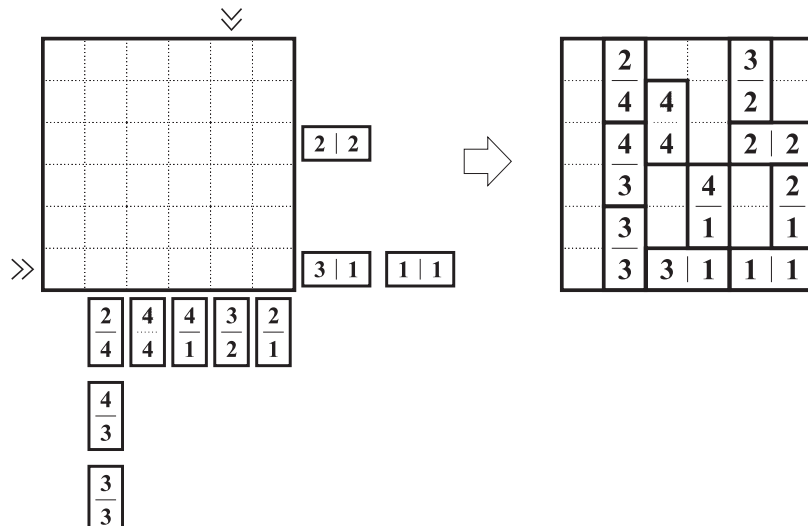
3-4. SKYSCRAPERS

Each digit of the castle represents a building of corresponding height. Clues outside show the number of buildings visible from corresponding direction.



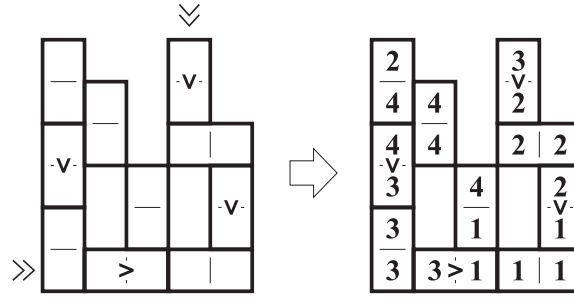
5-6. SHIFTED

All horizontal dice are shown outside the grid at the same row and in the same order. All vertical dice are shown outside the grid at the same column and in the same order.



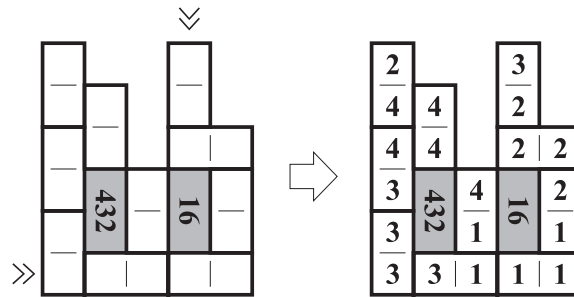
7-8. RELATIONS

Sign between two digits show which of them is bigger.



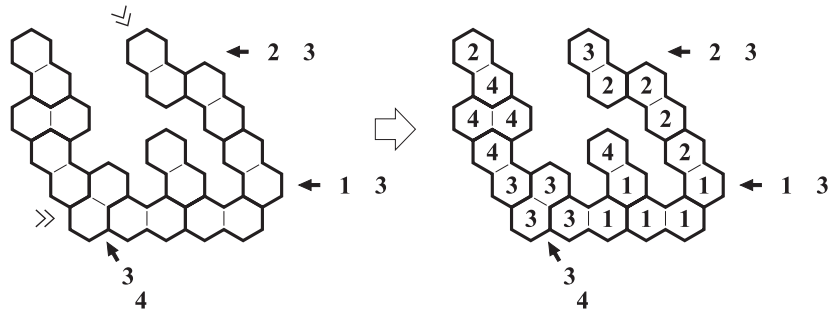
9-10. PRODUCTS

Numbers in grey areas show the product of all digits which share an edge with the grey area.



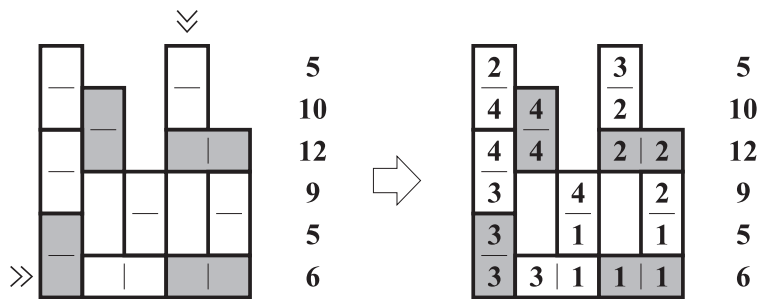
11-12. HEXA

This is a classic puzzle with hexagonal cells.



13-14. GREY DOUBLES

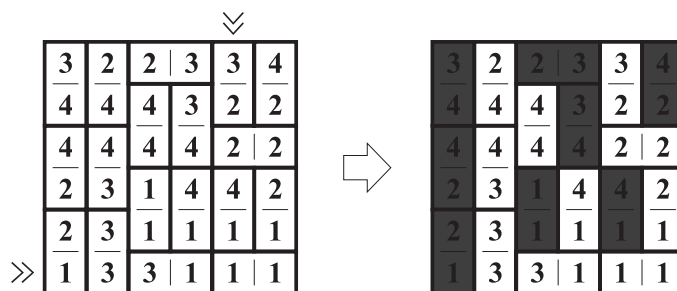
Numbers outside show the sum of digits in the corresponding row or column. All doubles are marked with grey colour.



15-16. RETROGRADE

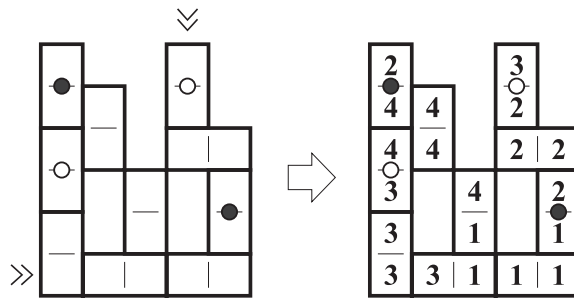
Blackout some dominoes. Remaining dominoes should form standard castle.

19 11 6 8 6 19 11 6 8 6



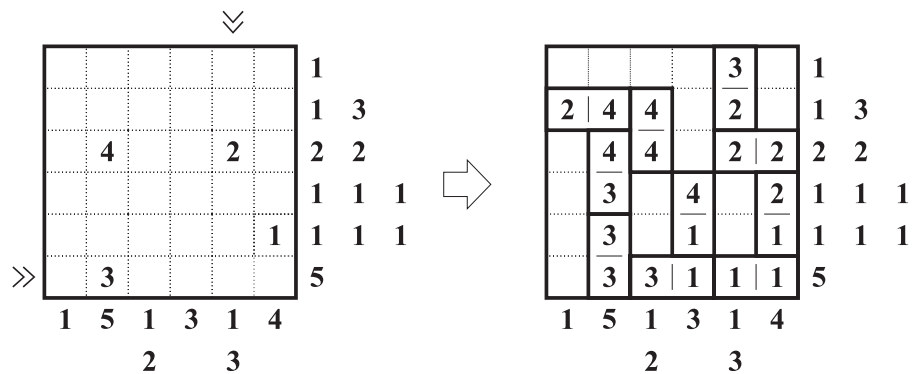
17-18. KROPKI

If digit in the cell is a half of digit staying in the neighbouring cell then they're separated by black dot. If absolute difference between two digits in neighbouring cells equals 1 then they're separated by white dot.



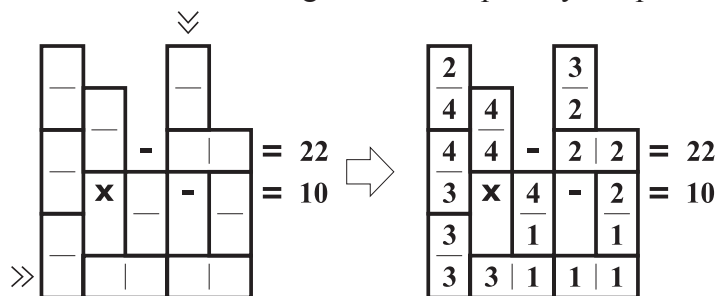
19-20. HIDDEN

Clues outside show the length of blocks occupied by castle (not necessary in order) in corresponding row or column. Digits inside the grid are part of the castle.



21-22. ARITHMETIC

Some rows contain an expression which value is shown at right. Standard priority of operations is applied.



23-24. OPTIMIZER

In the classic Domino Castle puzzle some clues are missing and replaced with circles. Fill in all circles with digits 1-7 to obtain puzzle with unique solution. Maximize the sum of added clues.

Score: <You sum>/<number of solution> - 18. No negative score.

