LMI SUDOKU TEST 'COPY PASTE' – 7, 8, 9 JULY 2012

About Copy-Paste
The July 2012 Sudoku test of Logic Masters India is called *'Copy – Paste'* and it contains 14 sudoku variants. I copied the givens of one puzzle, and pasted them into the other puzzle on the same page, so the puzzles on one page look a bit like twins. But they are two (completely) different variants, requiring a different approach and having different solutions.
For *Sudoku 100* and *All odd/even* I got the inspiration of recent LMI-tests. The other variants are well known or used before by me for championships or in the puzzle-portal of Logic Masters Germany. Since some of the variants might be new for LMI participants, I will write a thread in the forum with links to more practise puzzles for most of the types used in the test.

I hope you will enjoy solving the puzzles as much as I did creating them.

What you need to know
- The test consists of 14 puzzles;
- The duration of the test is 120 minutes;
- Some of the puzzles in the IB will be easier than the corresponding puzzle in the real test while other puzzles in the IB will be harder. This means that the level of difficulty of the puzzles in the IB does not correspond to the distribution of points over the puzzles in the real test.
- The puzzles in the booklets are placed in alphabetic order; per page and for the complete test;
- The distribution of points is based on the times needed by test solvers. Therefore, you might experience differences due to your own personal skills and preferences;
- Every puzzle has one marked row and one marked column as answer key;
- When submitting the answer key, ignore outside clues;
- The puzzle booklet will contain 7 pages, without cover page and points table;
- If you submitted all grids and there is at most one wrong solution code (with a maximum of four wrong digits), you can have bonus points. Your final score is then calculated using the formula: Final Score = Total Points / Claim Time * 120 minutes.

I would like to thank LMI for giving me the opportunity to write this test. Many thanks go to the test solvers Robert Beärda, Hans Eendebak, René Gilhuijs, Karin Griffioen, Claudia Müller, Rick Uppelschoten and Wilbert Zwart.

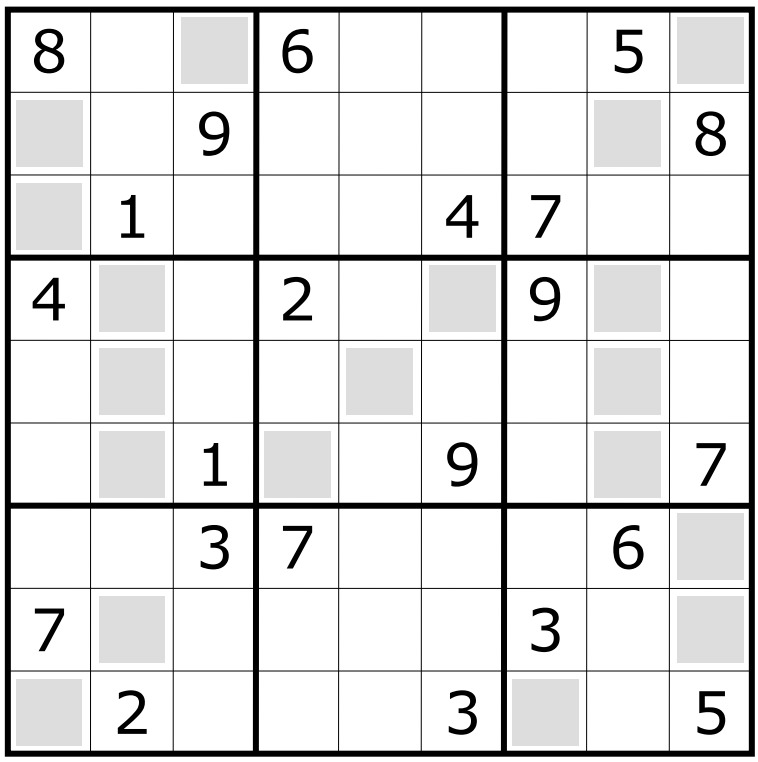
Points table:

Puzzle	**Points**
All odd/even	47
Scattered	51
Arrow	48
Sum 100	70
Ascending	60
Ascending nonconsecutive	80
Chaos Diagonal	75
Minimax	43
Consecutive	90
Maximin	82
Equal	130
Low	41
Position	63
Renban	120
TOTAL	1.000

ALL ODD/EVEN

(47 POINTS)

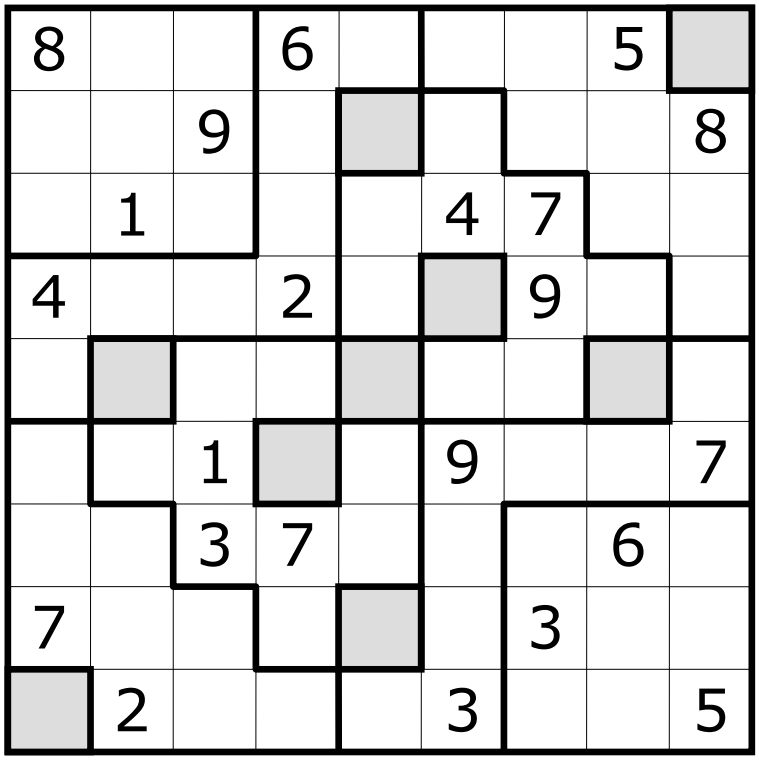
Apply classic sudoku rules. In every 3x3-block the grey cells contain either all odd or all even digits.



SCATTERED

(51 POINTS)

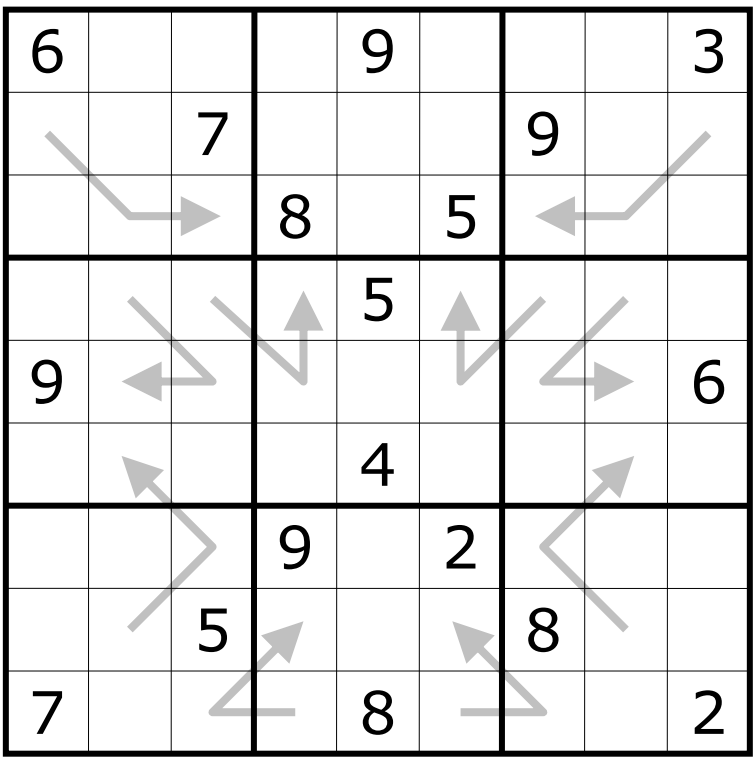
Place the digits from 1 to 9 in every row, column, boldly outlined irregular area and the grey cells.



ARROW

(48 POINTS)

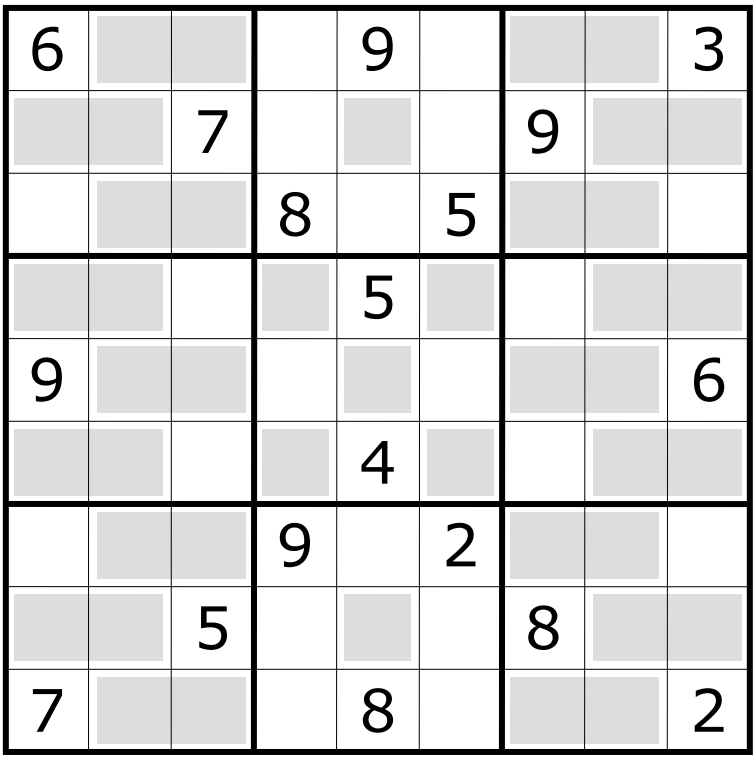
Apply classic sudoku rules. The digits in the point of an arrow are the sum of the other digits in the same arrow.



SUM 100

(70 POINTS)

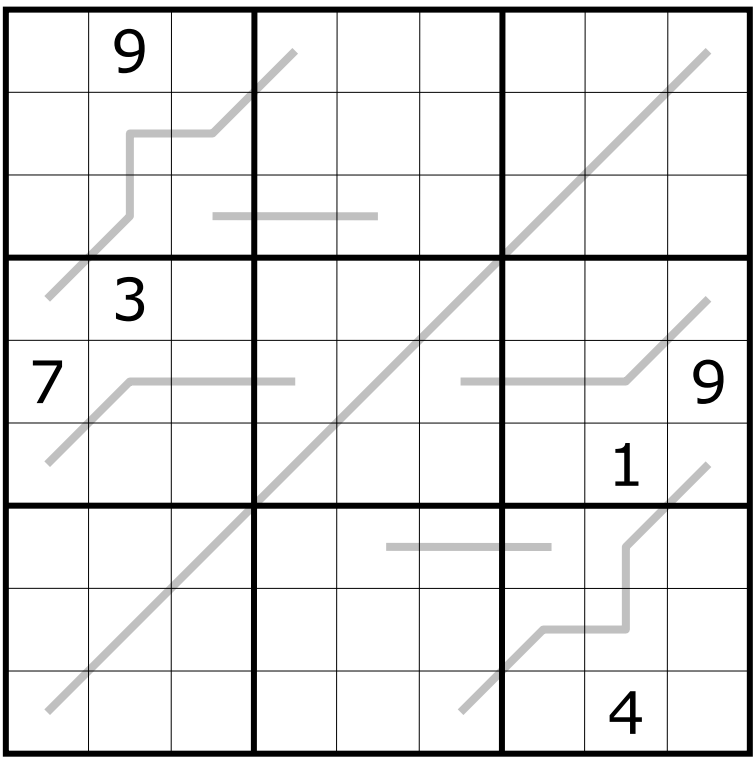
Apply classic sudoku rules. In each row, the sum of number combinations in the grey cells is exactly 100.



ASCENDING

(60 POINTS)

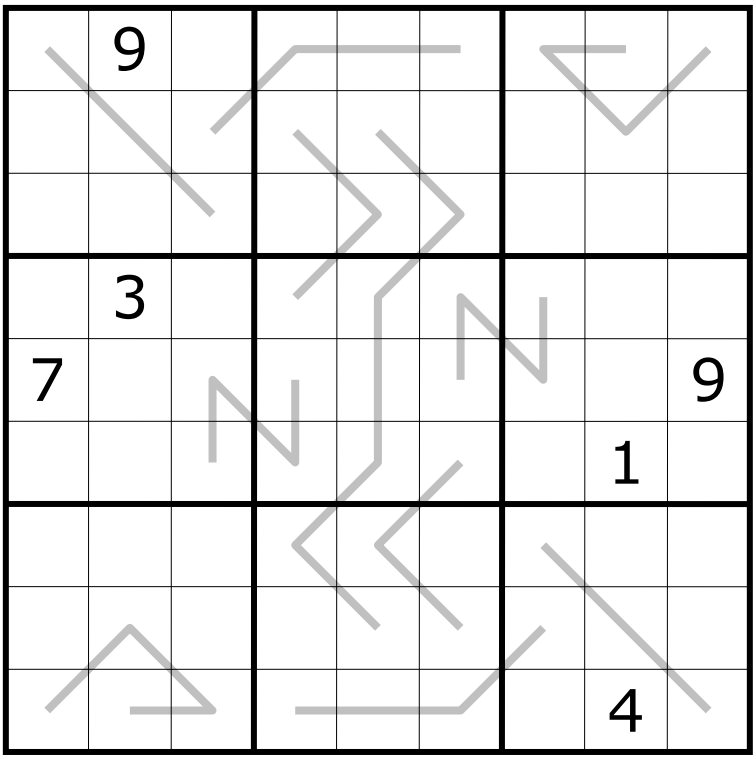
Apply classic sudoku rules. On every bold grey line the digits are ascending from one end to the other end.



ASCENDING NONCONSECUTIVE

(80 POINTS)

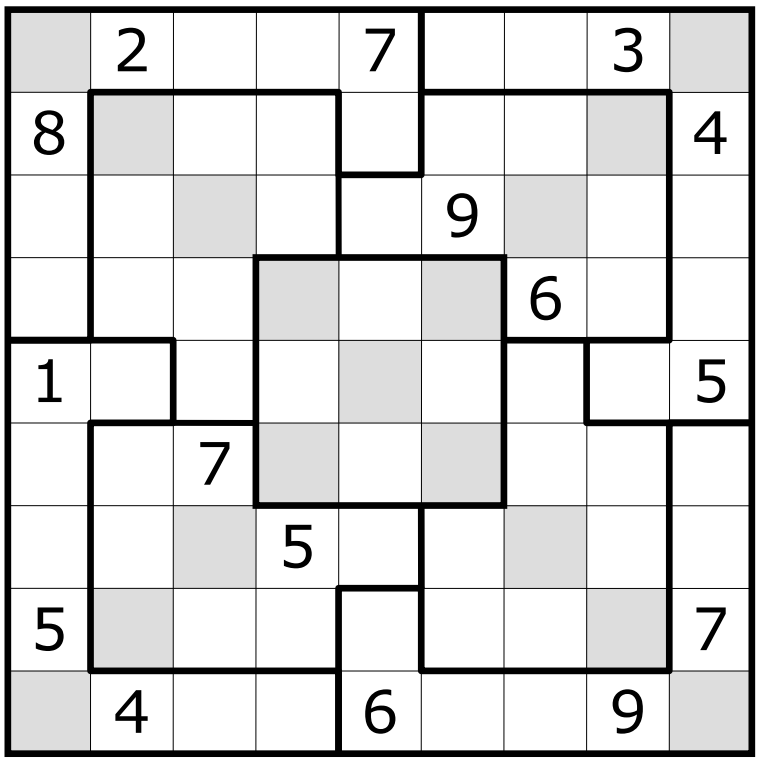
Apply classic sudoku rules. On every bold grey line the digits are ascending from one end to the other end. Horizontal or vertical neighbouring cells cannot contain consecutive digits.



CHAOS DIAGONAL

(75 POINTS)

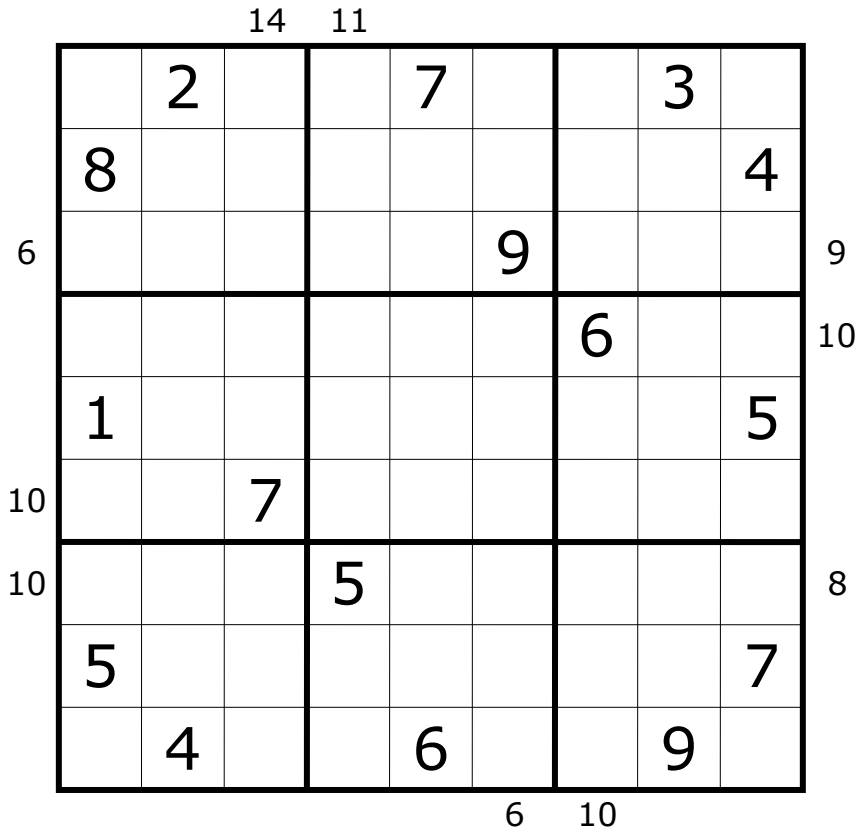
Place the digits from 1 to 9 in every row, column, boldly outlined irregular area and the two main diagonals.



MINIMAX

(43 POINTS)

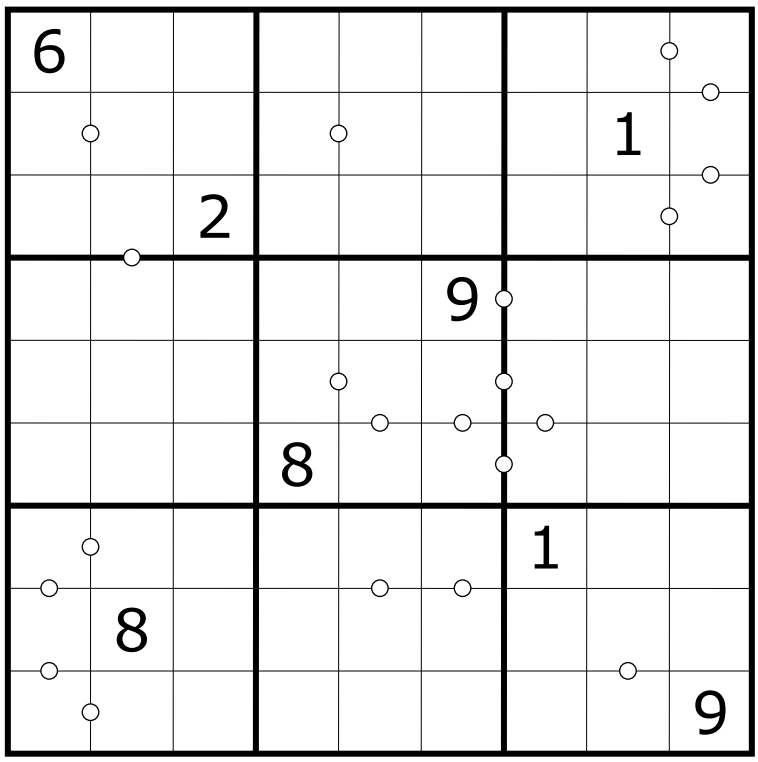
Apply classic sudoku rules. Digits outside the grid are the sum of the highest and lowest digit in the first three cells.



CONSECUTIVE

(90 POINTS)

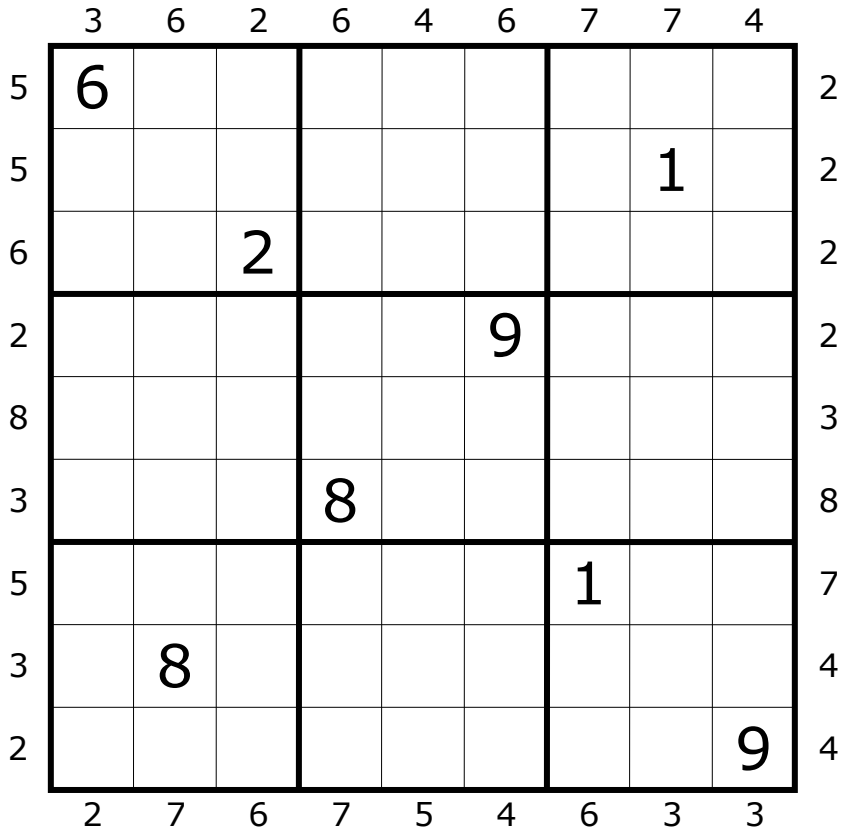
Apply classic sudoku rules. In all cases where two neighbouring cells contain consecutive digits, a circle is placed between those cells.



MAXIMIN

(82 POINTS)

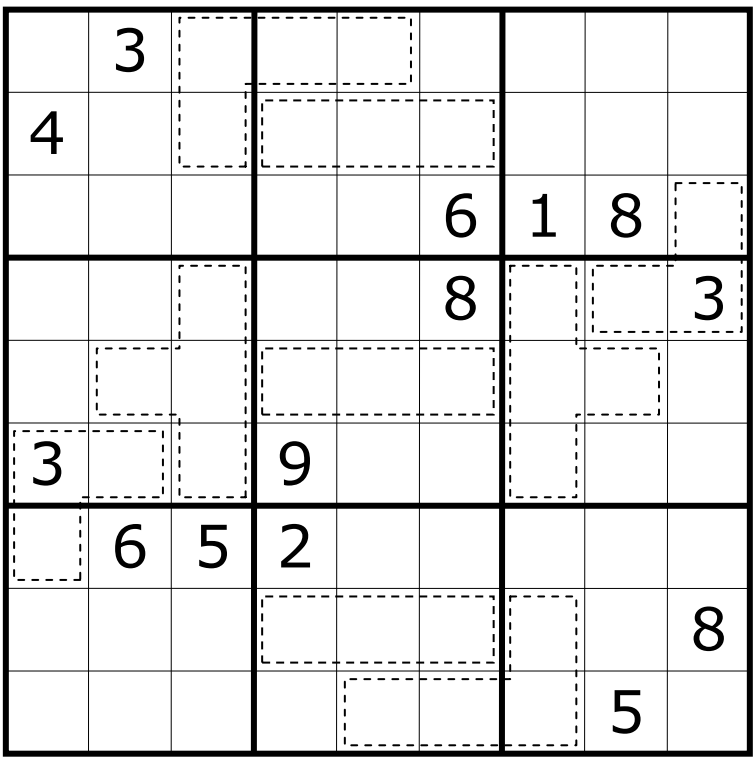
Apply classic sudoku rules. Digits outside the grid are the difference between the highest and the lowest digit in the first three cells.



EQUAL

(130 POINTS)

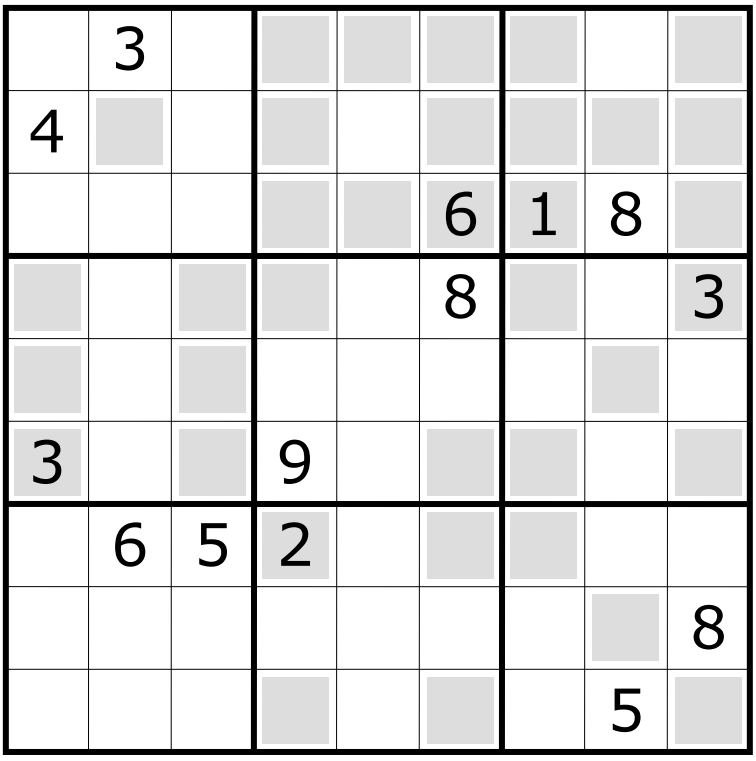
Apply classic sudoku rules. In all dotted areas the sum of the odd digits equals the sum of the even digit(s). Digits do not repeat in a dotted area.



LOW

(41 POINTS)

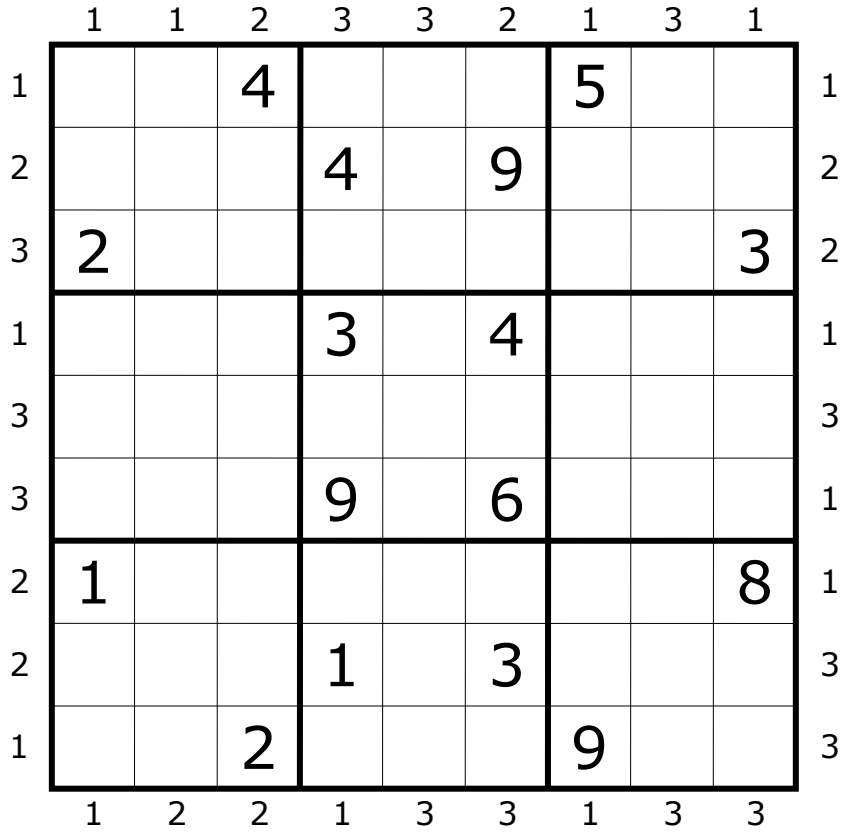
Apply classic sudoku rules. In every 3x3-block the lowest digits have to be written in the grey cells.



POSITION

(63 POINTS)

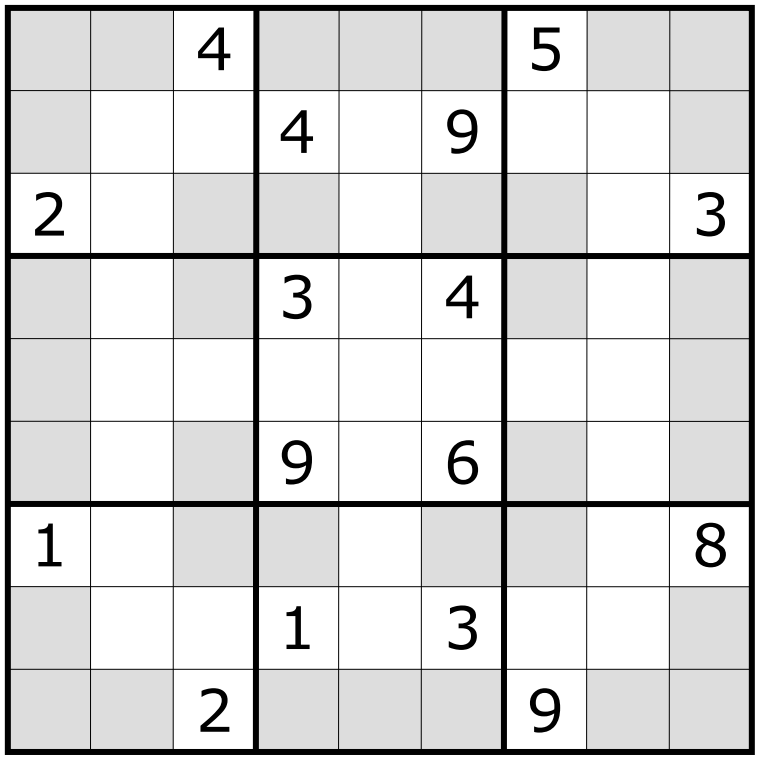
Apply classic sudoku rules. Digits outside the grid are the position of the highest digit in the first three cells.



RENBAN

(120 POINTS)

Apply classic sudoku rules. Digits in grey areas form Renban groups. They hold consecutive digits, in any order.



SOLUTIONS

ALL ODD/EVEN
847631259
369572418
512984736
475216983
698347521
231859647
983725164
754168392
126493875

SCATTERED
834697251
679352148
215834796
457216983
182975634
361489527
593741862
746528319
928163475

ARROW
682491753
517263984
349875621
426759138
953128476
178346295
864932517
235617849
791584362

ARROW
658791423
127436985
439825617
382657149
974318256
516249738
843962571
295173864
761584392

ASCENDING
592376481
364189527
178542396
831294675
746851239
259637814
617423958
483915762
925768143

ASCENDING NONCONSECUTIVE
693741528
258396174
471528396
936174852
714852639
582639417
147285963
369417285
825963741

CHAOS DIAGONAL
425978136
859613724
673459812
381725649
162894375
297136458
914587263
536241987
748362591

MINIMAX
429675138
876321954
315849726
954137682
182496375
637258419
791584263
563912847
248763591

CONSECUTIVE
693718245
875342916
142695387
736159824
258437691
914826573
569274138
481963752
327581469

MAXIMIN
613452987
954768213
872193564
768519342
149326875
235847691
496275138
587931426
321684759

EQUAL
138594276
426187395
597326184
642758913
789431562
351962847
865249731
973615428
214873659

LOW
638514792
412897536
759326184
596148273
274635819
381972465
965281347
143759628
827463951

POSITION
984231567
376459182
215768493
851374629
639512874
427986315
143697258
598123746
762845931

RENBAN
674231589
853469127
219857643
597324816
361578294
428916375
136792458
945183762
782645931