The rules of Norinori are simple. Shade some cells on the grid so that the following three rules hold:

(1) Exactly two cells are shaded in every cage.

(2) Each shaded cell is part of a domino (i.e. 1×2 or 2×1 rectangle).

(3) Two dominoes cannot be touch each other horizontally or vertically, but diagonally is alright.
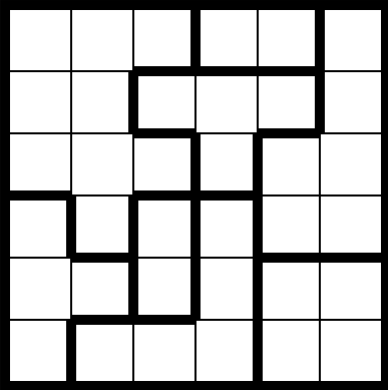
For this challenge, solve the 3 Norinori puzzles on the next pages. To submit your answer, write the total number of shaded cells in each column, from left to right, then the total number of shaded cells in each row, from bottom to top. Don't use spaces or punctuation. For example, consider the following Norinori puzzle and its solution:
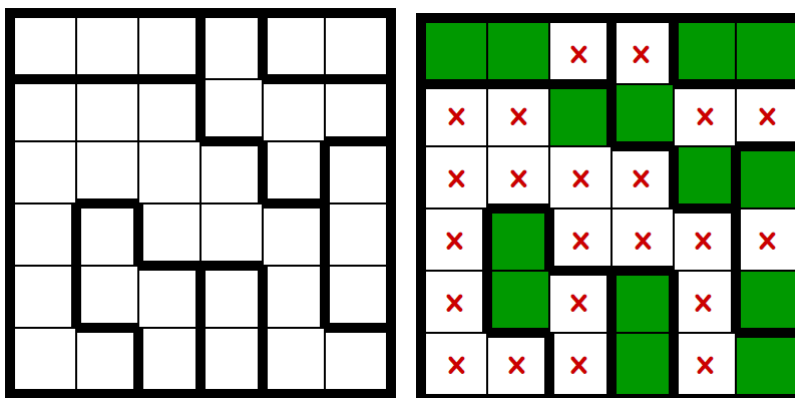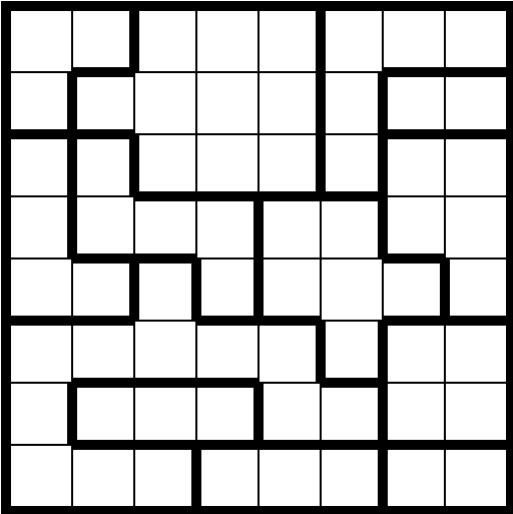

There is 1 shaded cell in the first column, 3 shaded cells in the second column, 1 in the third column, 3 in the fourth column, 2 in the fifth column, and 4 in the sixth column. There are 2 shaded cells in the first row, 3 in the second row, 1 in the third row, 2 in the fourth row, 2 in the fifth row, and 4 in the sixth row. You would submit the 12-digit number: 131324231224.

Here are the puzzles!

Level 1:

Level 2:

Level 3: