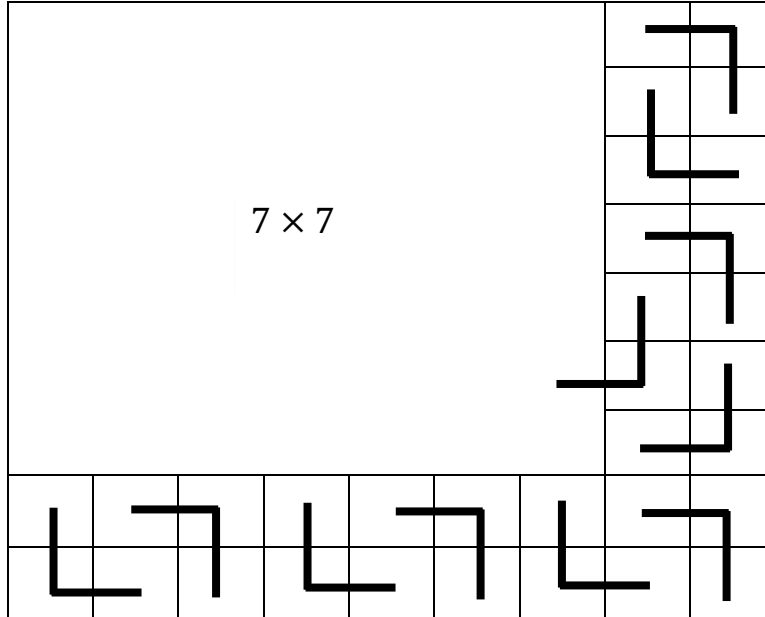


Trominoes - Solution

1. Can a 9×9 board be tiled with right trominoes? (Hint: use the fact that any deficient 7×7 board can be tiled with right trominoes.)

Solution: Yes, since any deficient 7×7 board can be tiled with right trominoes the remaining space in the 9×9 board below can be tiled with right trominoes.



2. Can a 7×12 board be tiled with right trominoes? (Hint: use the fact that any deficient 7×7 and some deficient 5×5 boards can be tiled with right trominoes.)

Solution:

Yes,

- any deficient 7×7 board can be tiled with right trominoes
- a deficient 5×5 board can be tiled with right trominoes when a corner is missing

Therefore the remaining space in the 7×12 board below can be tiled with right trominoes.

