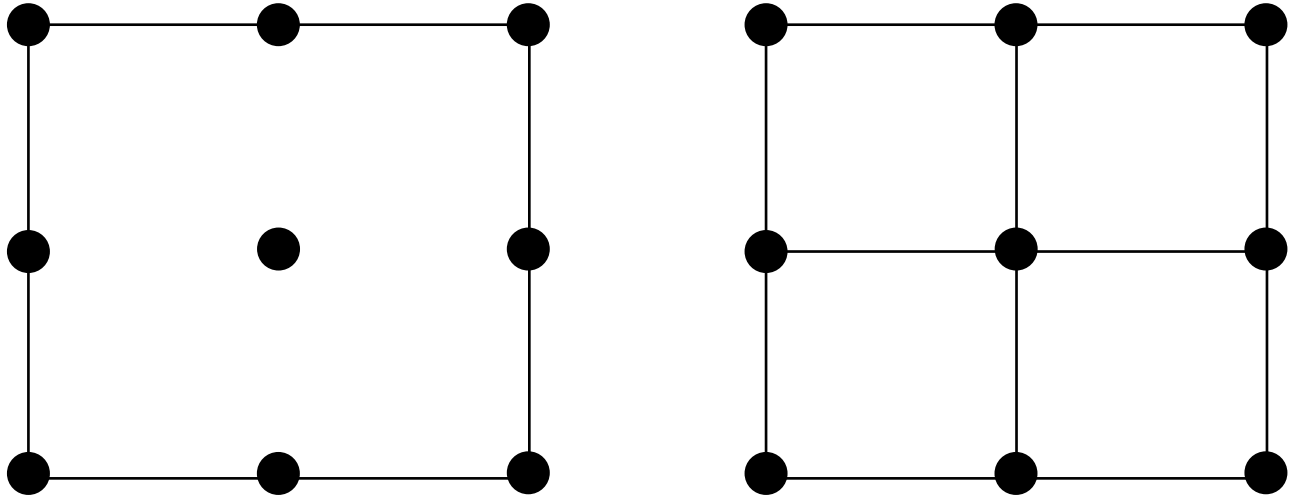
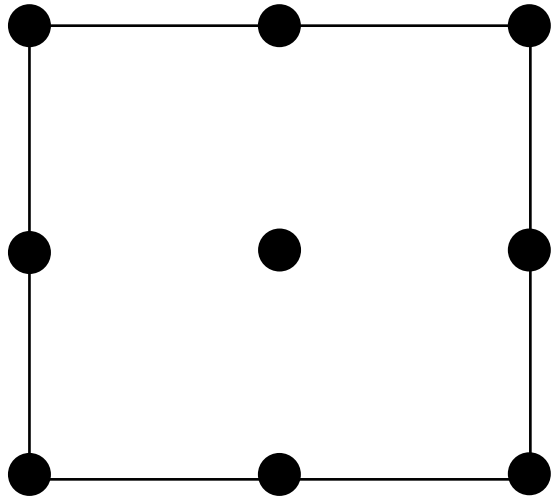
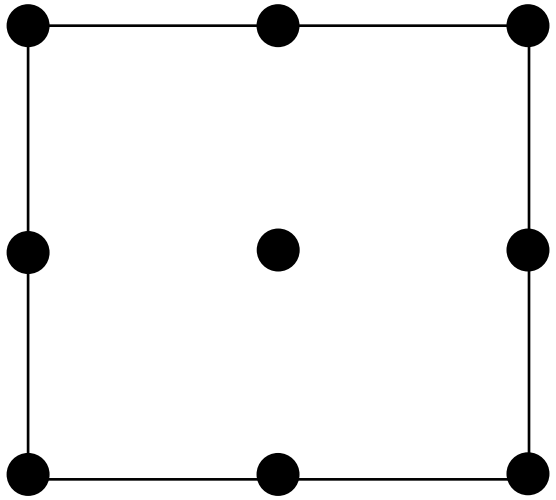
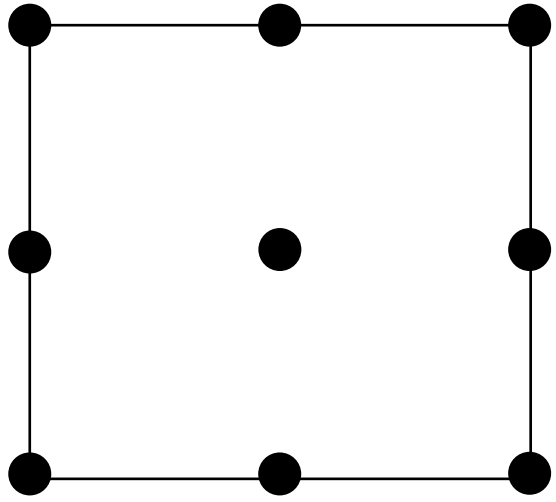
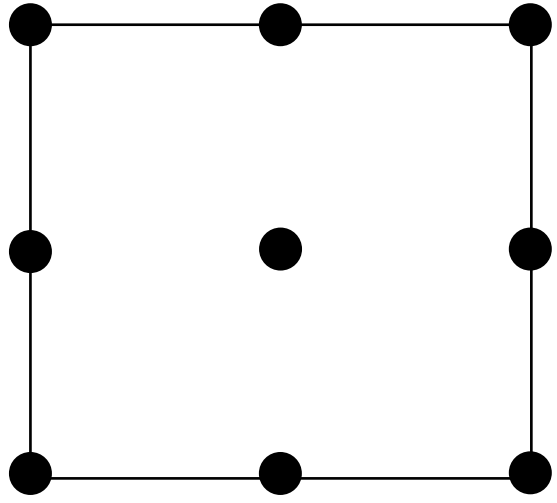
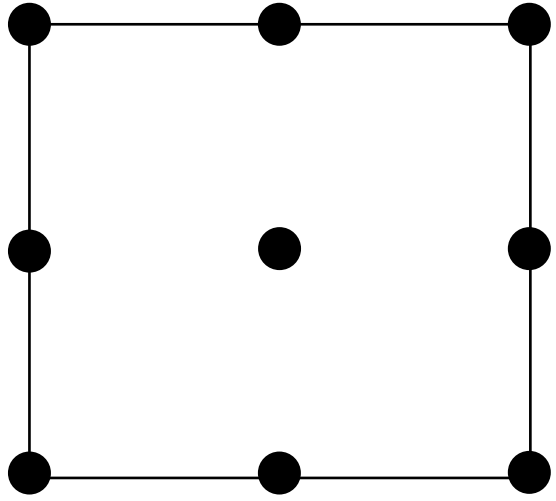
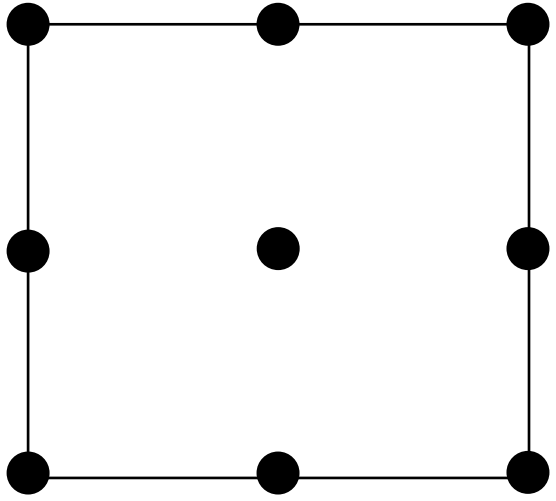
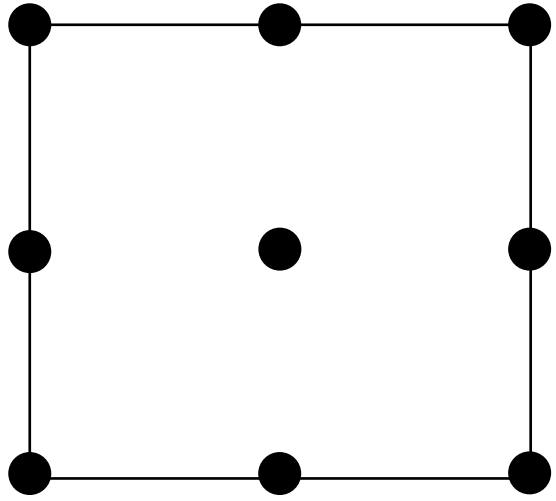
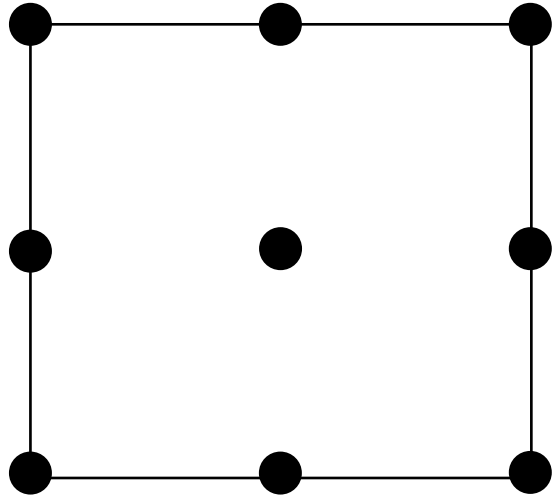
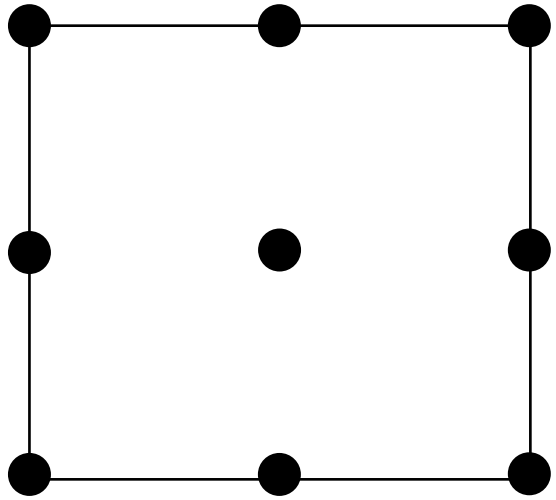
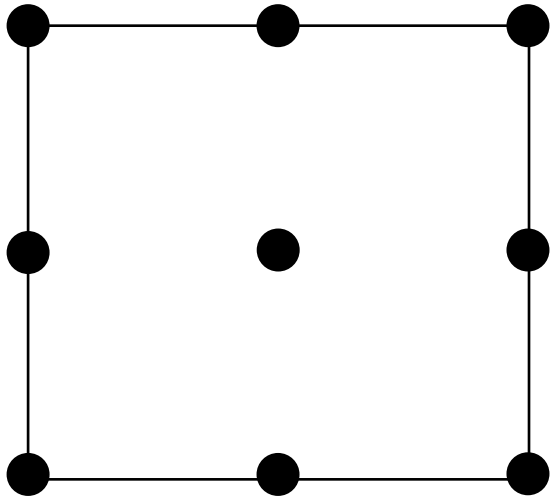
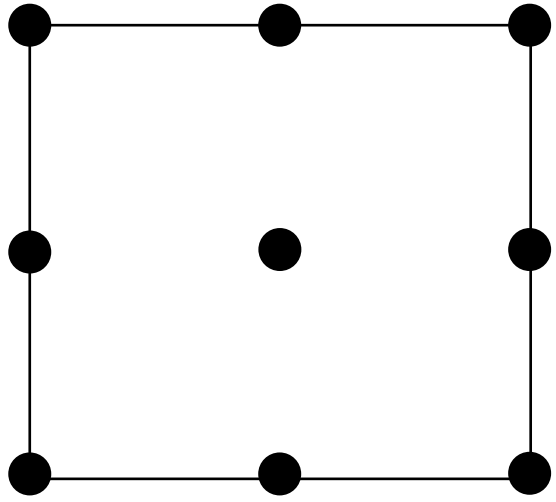
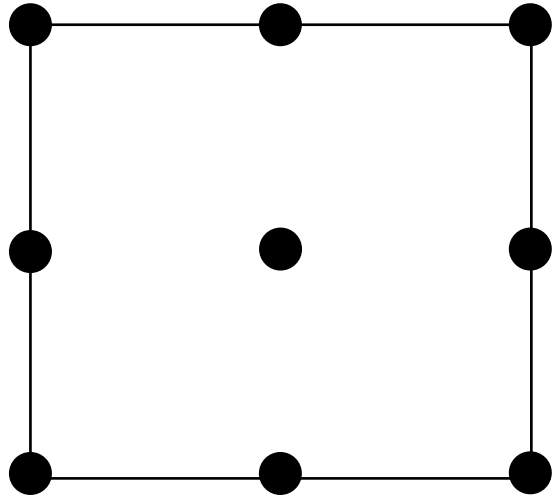
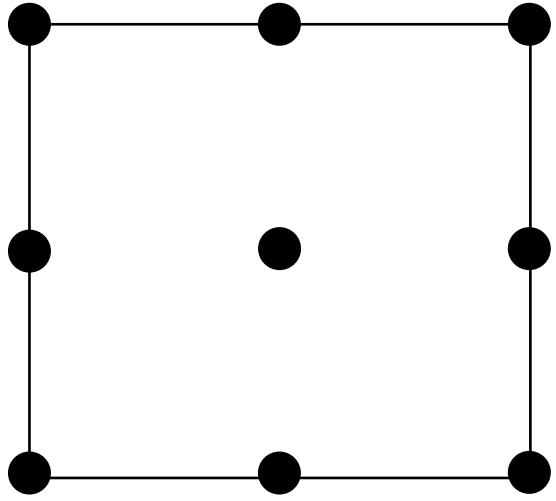
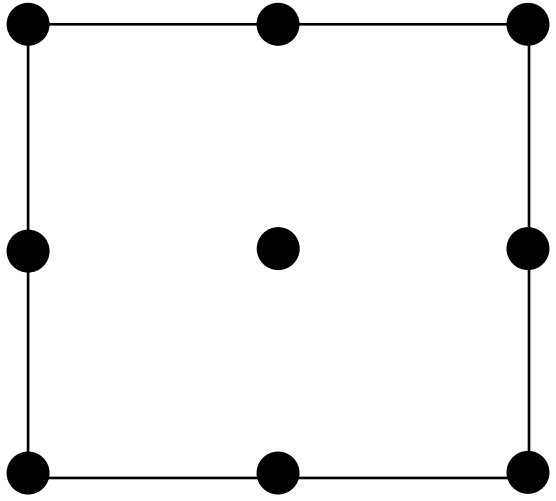
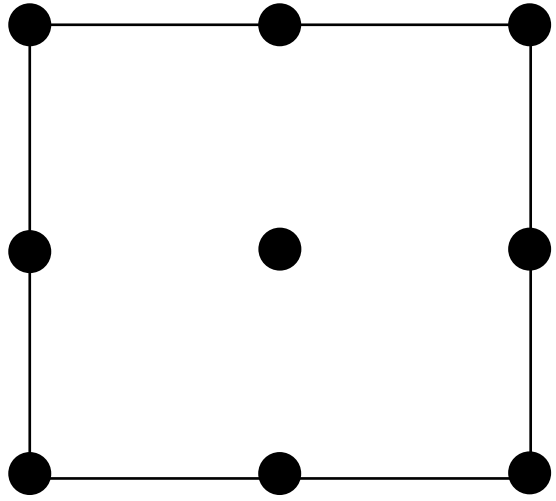
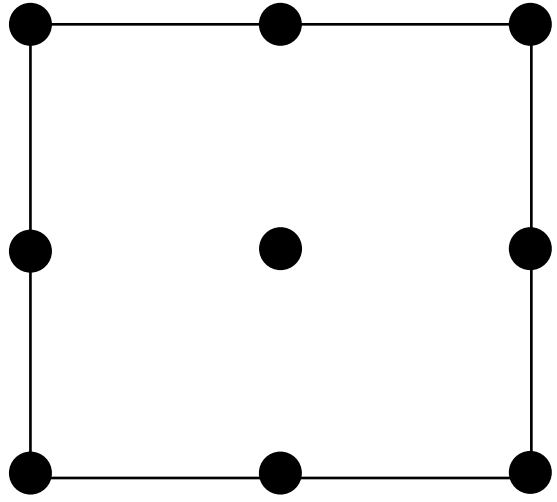
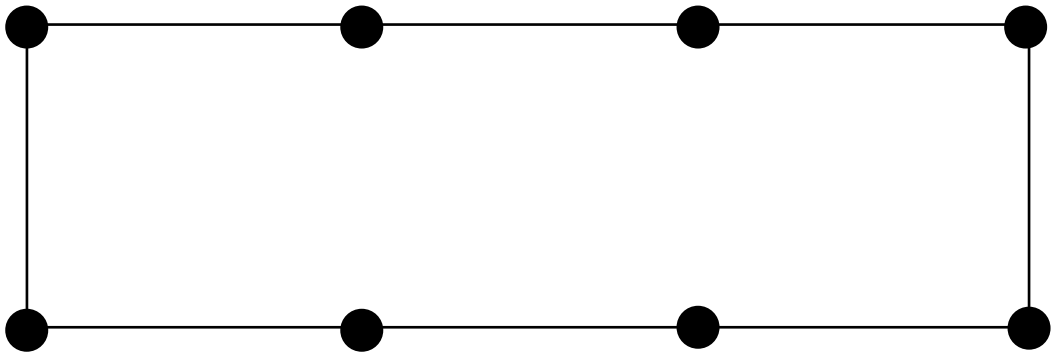
Equal Areas



The diagram shows a lattice of nine equally spaced dots drawn over a square. On the right one way of joining the dots with straight lines to make four equal areas has been shown. Not counting reflections or rotations, find all the other ways the square could be divided in to four equal areas by joining the dots with straight lines

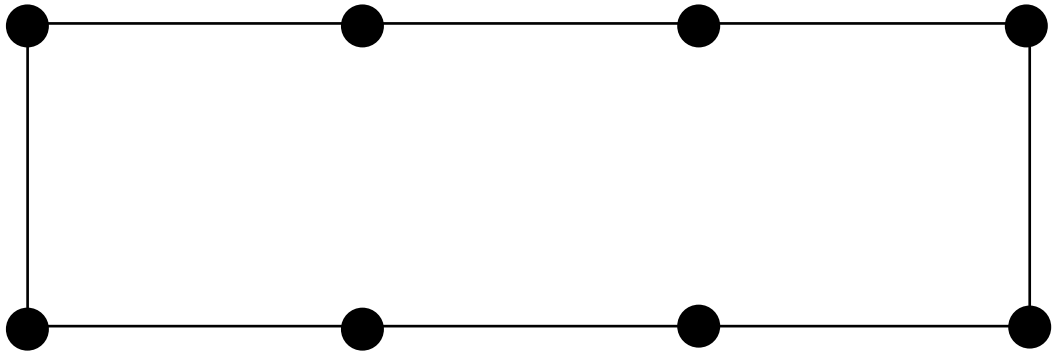
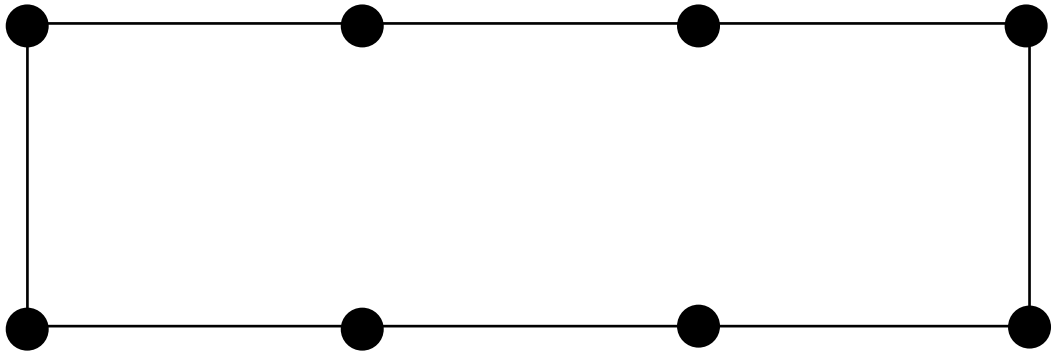
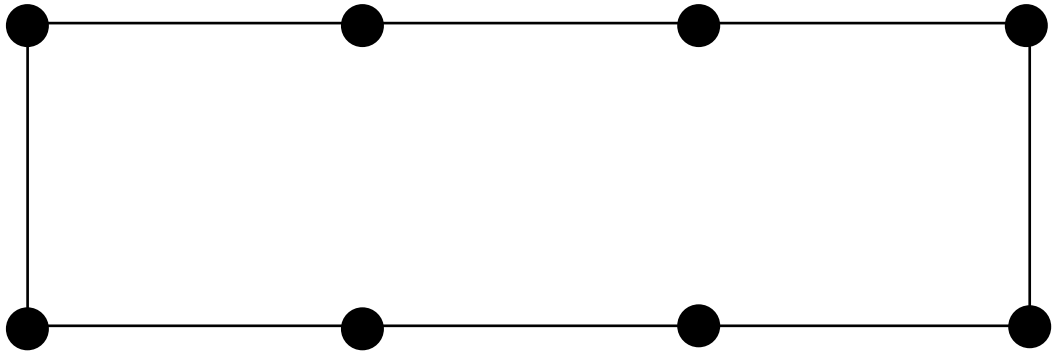
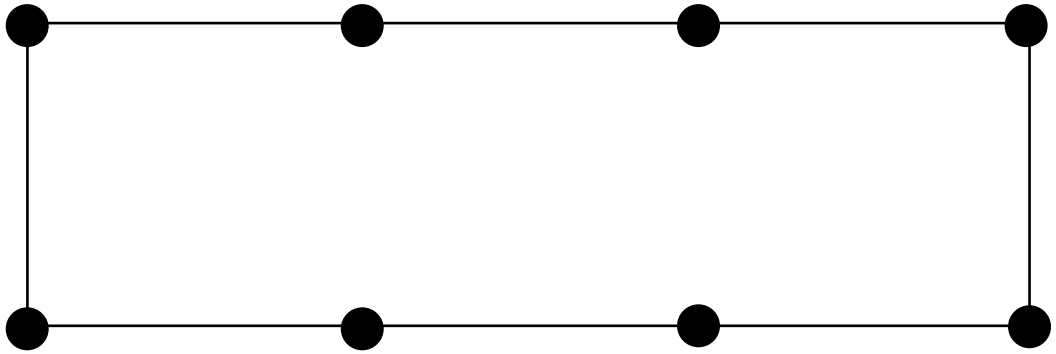
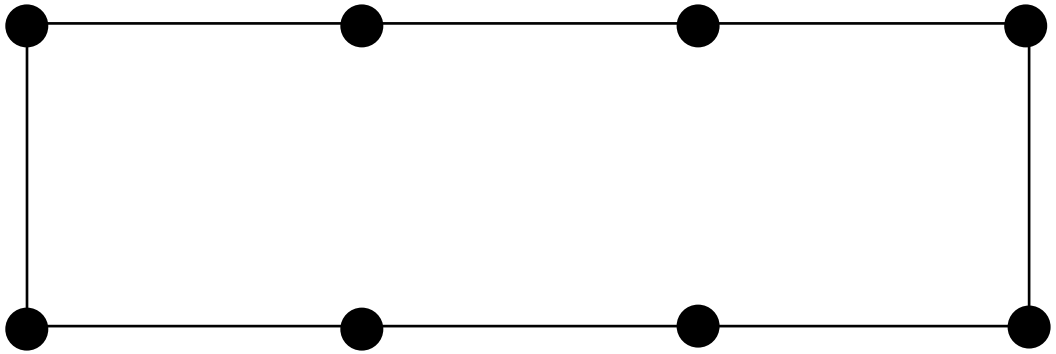
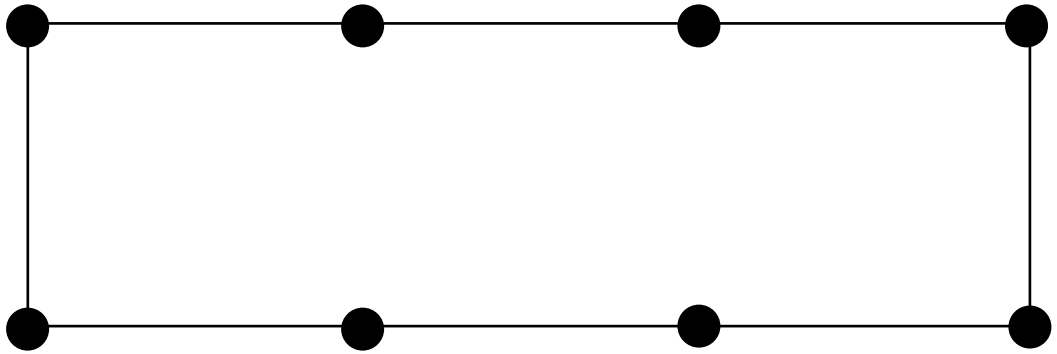
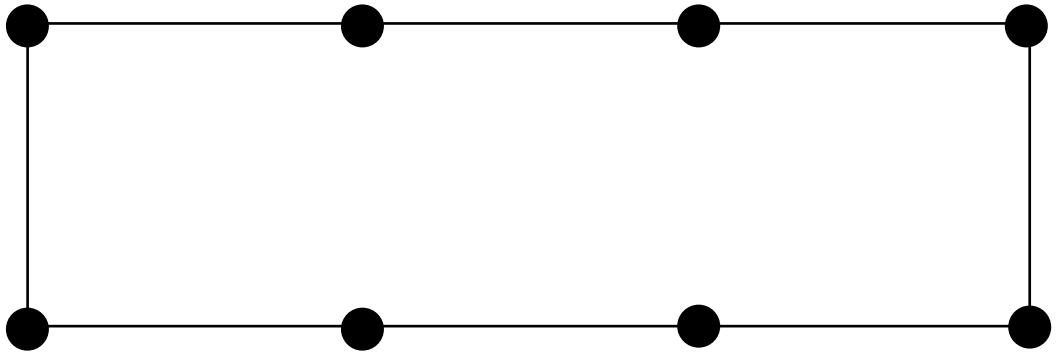
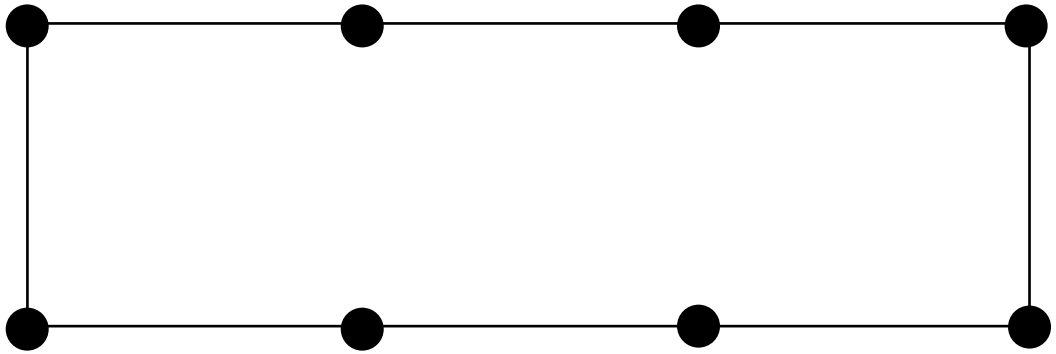
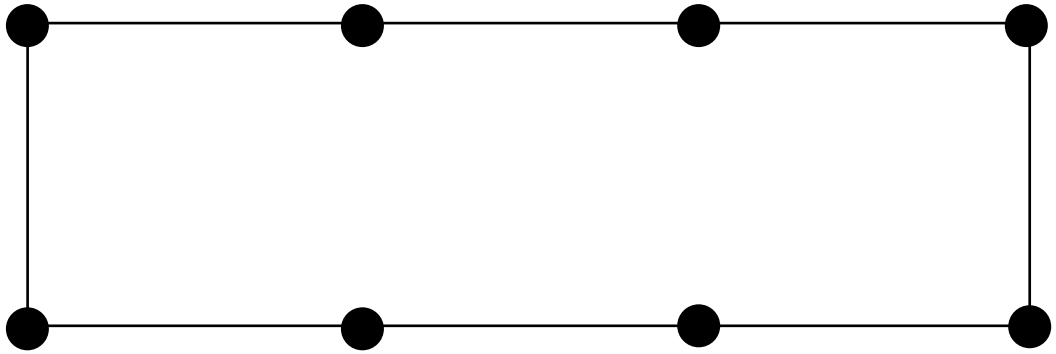
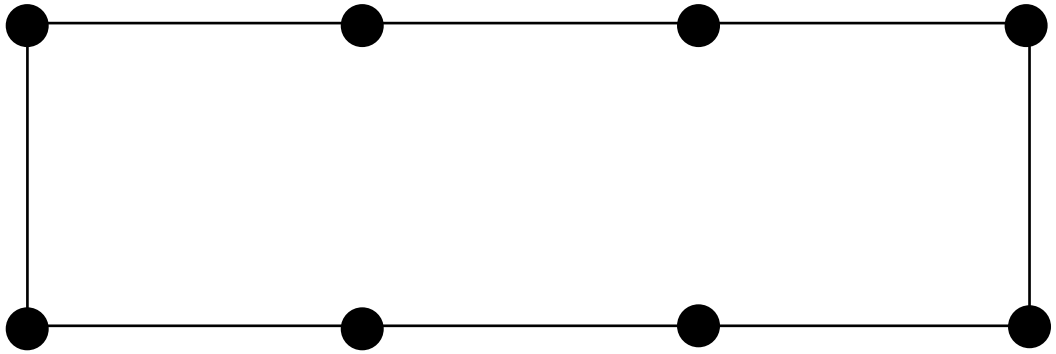
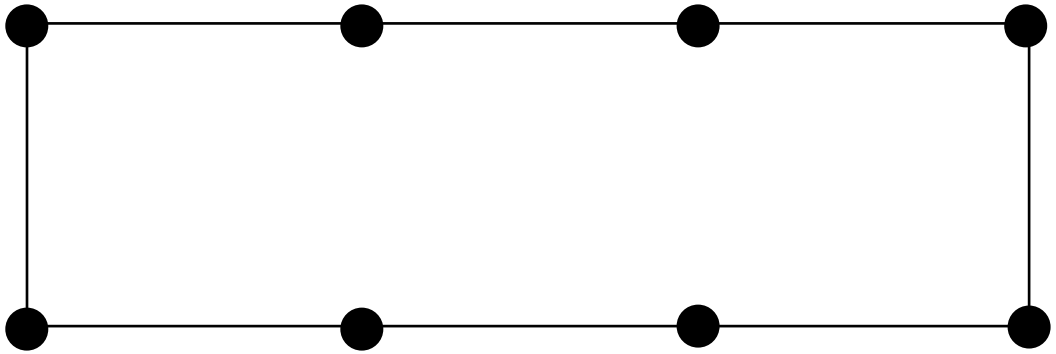
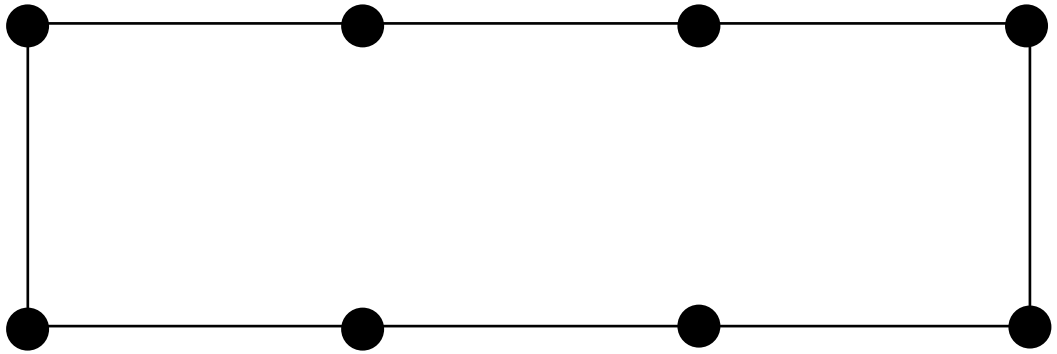
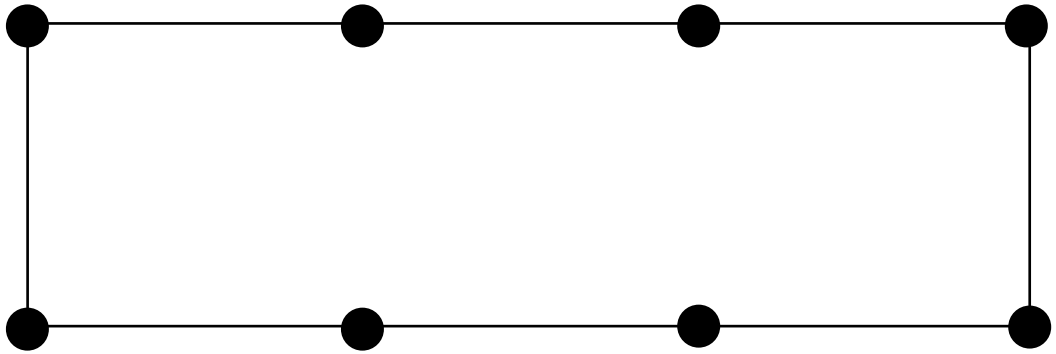
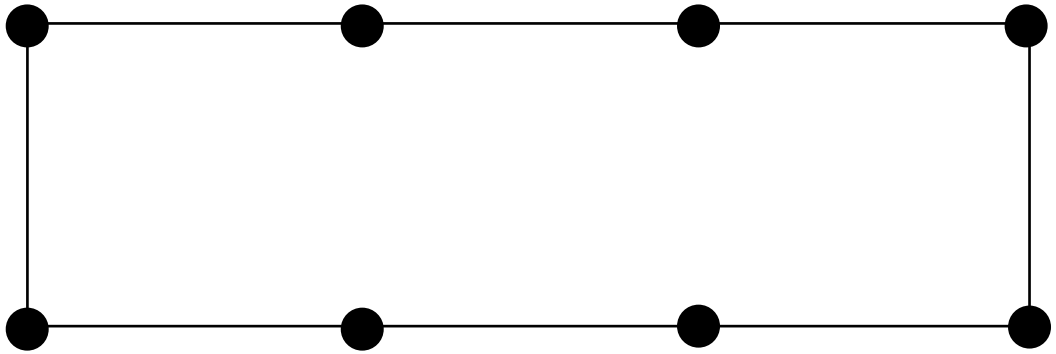
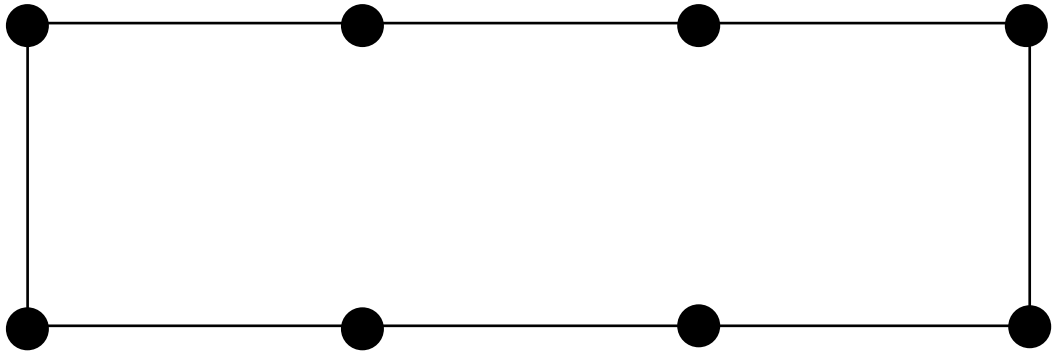
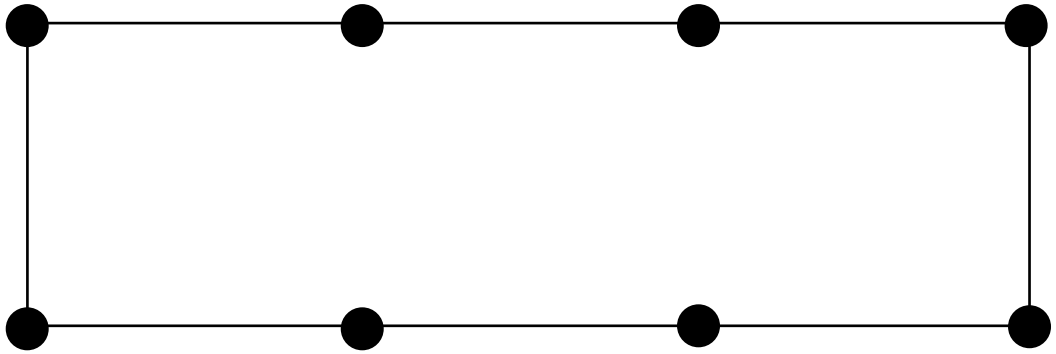
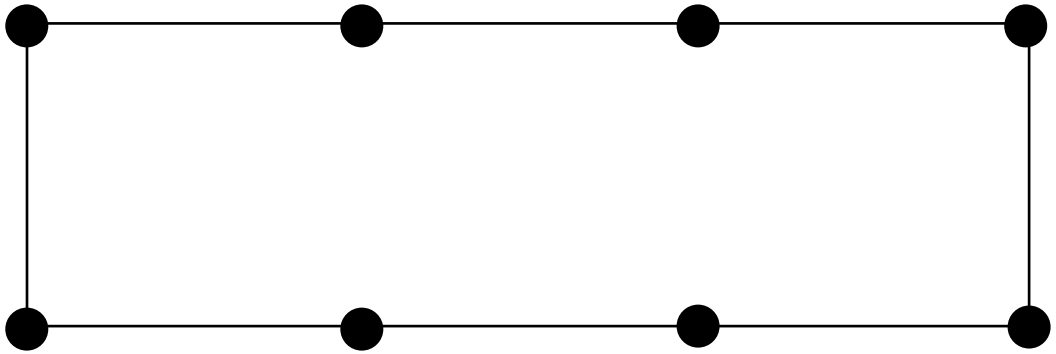
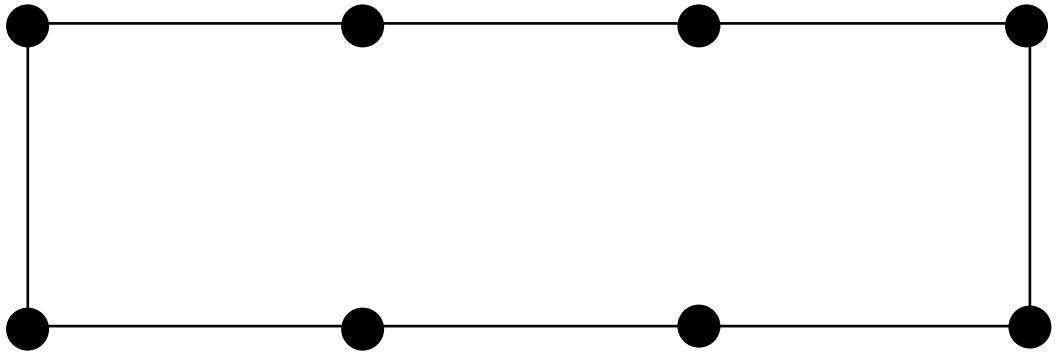











Using straight lines joining the dots, divide the rectangle into three equal areas.

How many solutions can you find?

What if you divided the same rectangle into six equal areas.

How many solutions can you find?