

A 10x10 grid representing a 2D plane. The x-axis is labeled 1 to 10, and the y-axis is labeled 1 to 10. The grid is divided into two regions: a purple region (lower-left) and a yellow region (upper-right). The boundary is irregular, with a vertical line at x=4 and a horizontal line at y=4. There are some yellow pixels in the purple region and vice versa.

[illegible]