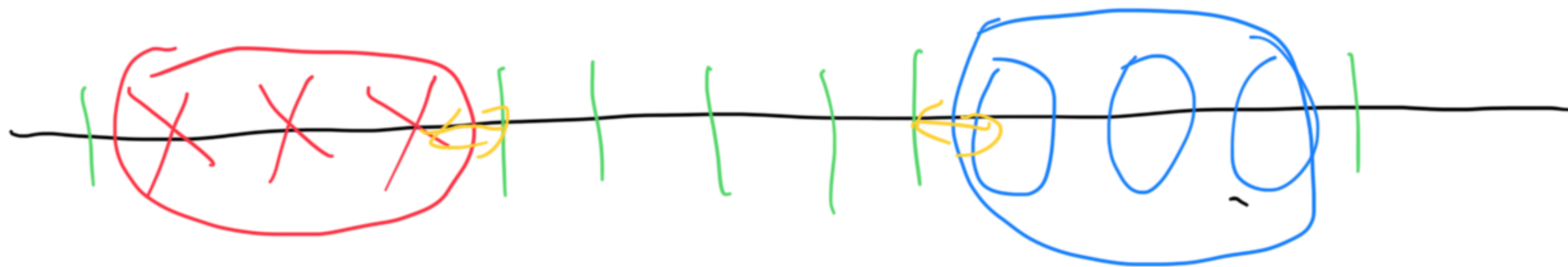


$$\|x, y\|$$

$$|x - y|$$



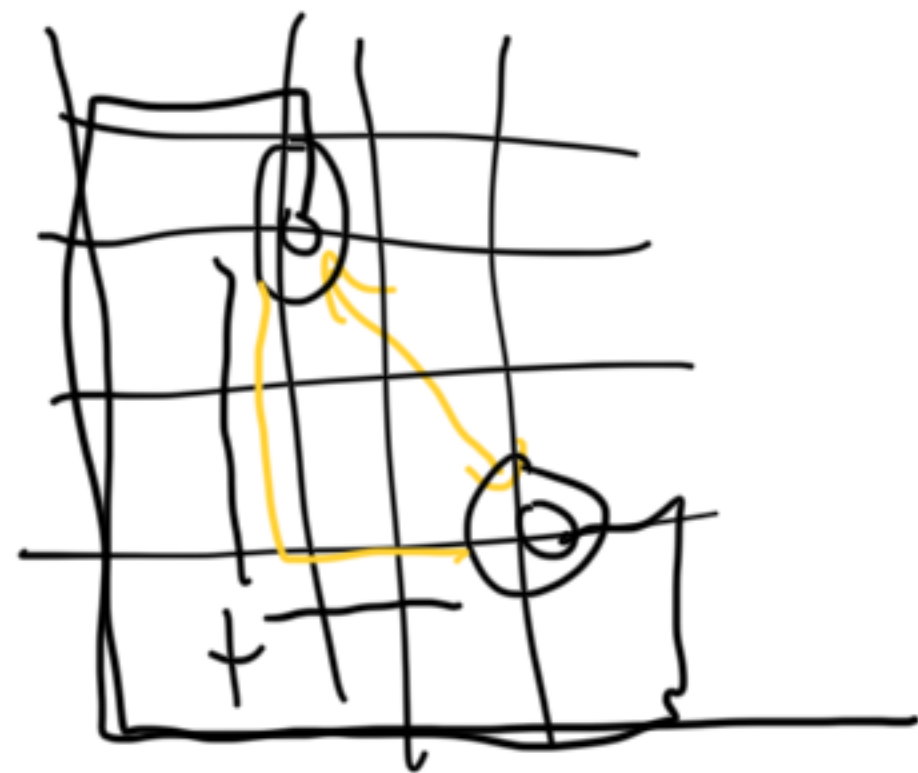
L_2

$$(x_1 - x_2)^2 + (y_1 - y_2)^2$$

$$|x_1 - x_2| + |y_1 - y_2|$$



0 0
0 0



$$L_1 \quad |x_1 - y_1| + \dots + |x_n - y_n|$$

$$L_2 \quad (x_1 - y_1)^2 + \dots + (x_n - y_n)^2$$

⋮

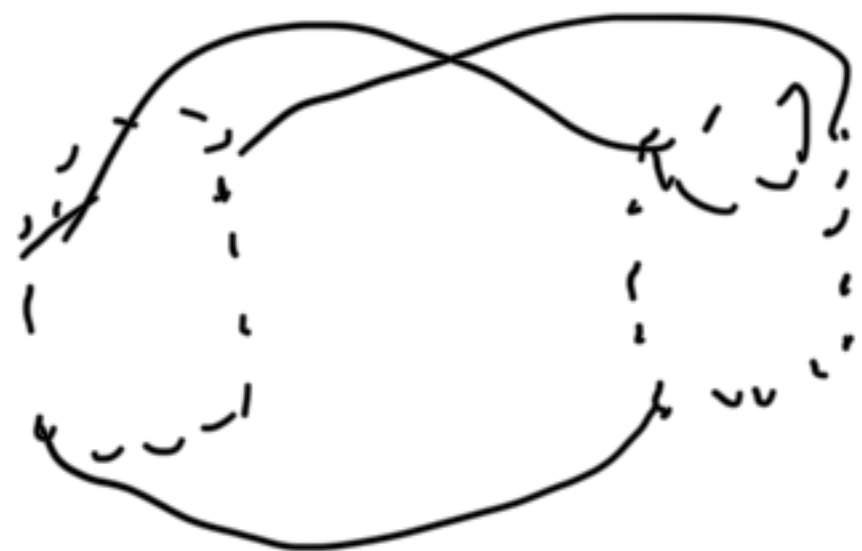
$$L_3$$

⋮

$$L_\infty \quad \max(|x_1 - y_1|, \dots, |x_n - y_n|)$$

$$\|\vec{x}, \vec{y}\|$$

$$\sum_i \|\vec{x}_i, \vec{y}_i\|$$

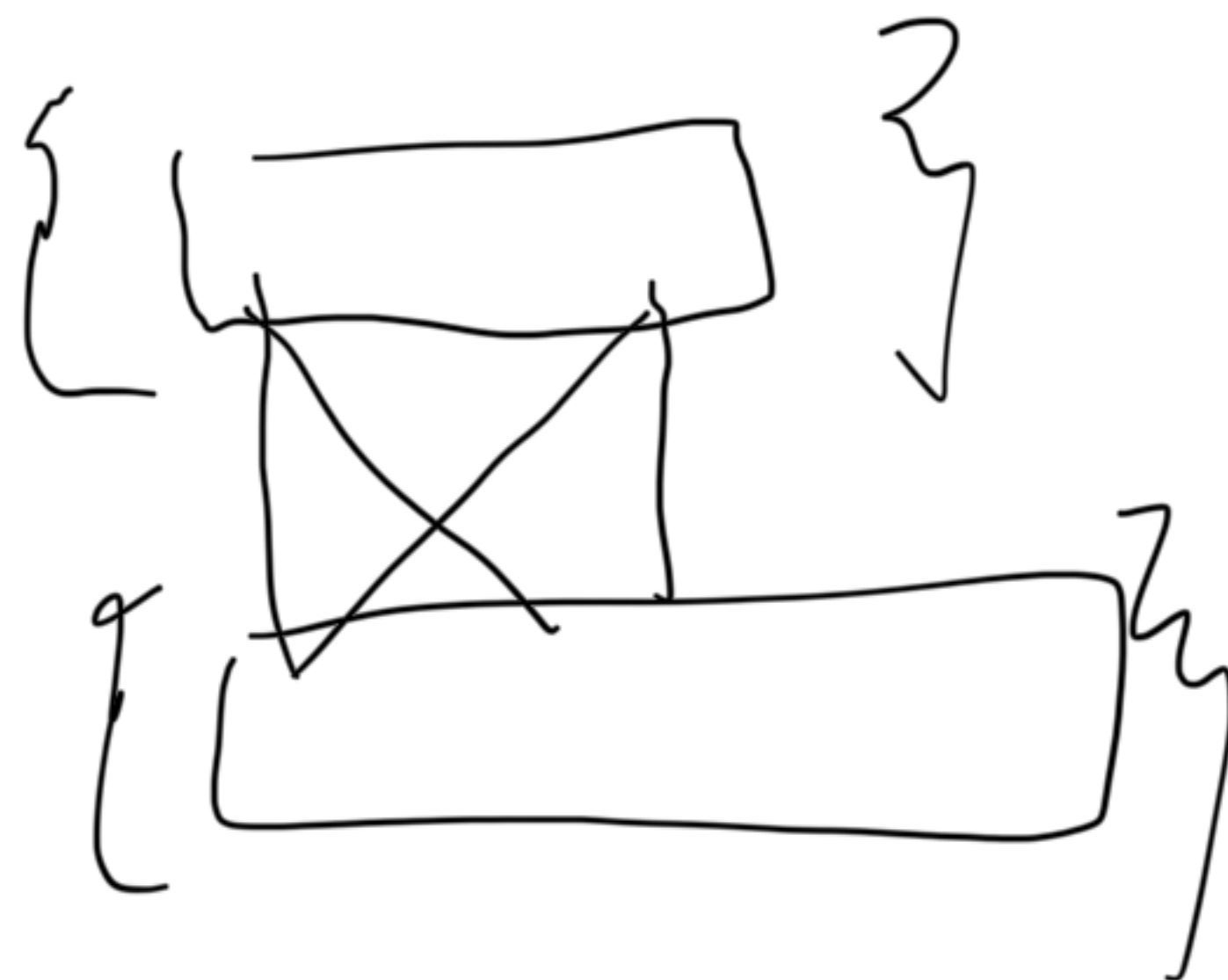


$$\|x, y\|$$

$$\|y, x\|$$



$$\max_i \min_j \|x_i - y_j\|$$



$$\|x_i - y_i\| \neq$$

$$\|x_i - y_j\|$$

