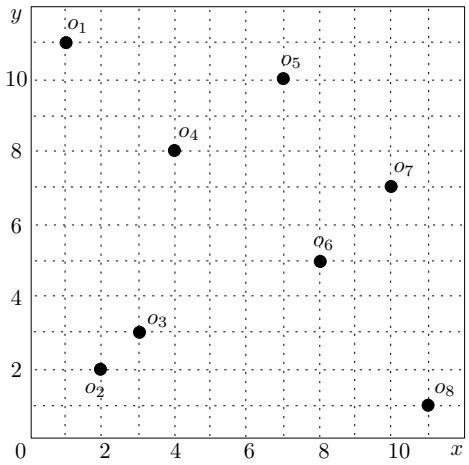
These are the questions from Yufei's lecture.

Question 1 (5%). Given two points o, o', let us define that o *dominates* o' if the coordinate of o is smaller than that of o' on each dimension. By this definition, what is the skyline of the dataset shown in the figure below?



Answer: $\{o_1, o_2, o_8\}$.

Question 2 (5%). Recall that the *SFS* algorithm works by first sorting all the data points according to a scoring function $f(x, y)$. Let the function be $f(x, y) = x$. For example, a point $(5, 4)$ has score 5. In other words, *SFS* processes the data points in ascending order of their scores. For each point o, its processing requires comparing o to some other points. In the dataset shown in the above figure, when point o_3 is being processed, which point or points is o_3 compared to?

Answer: $\{o_1, o_2\}$.