Notes:
1. Tutorial problems are provided to help you understand the materials discussed in the class, and to improve your skills in solving AI problems.
2. Tutorial problems will not be graded. However, you are highly encouraged to do them for your own learning. Moreover, we hope you get the satisfaction from solving these problems 😊
3. You’ll get the best learning outcome when you try to solve these problems on your own first (before your tutorial session), and use your tutorial session to ask about the difficulties you face when trying to solve this problem set.

1. Suppose we have 6 two-dimensional points, i.e.: a(0, 2) ; b(3, 5) ; c(1, 4) ; d(4, 3) ; e(1, 2) ; f(6,3).
   a. Without plotting, please check if ab intersects with cd. How about ab with ef?
   b. Please implement your solution for (a).
   c. If we construct line segments for each pair of points above, which pairs of line segments intersect? Will bounding box strategy helps in this case?

Assignment help