# Self-introduction

My name is Liu Yuxi come from institute of furture networks and my advisor is Wang Yi.

# Exercise 3-1

There are nine sites in the picture and we need to select three centers.

As we can see, in the picture if we select the red sites as the centers, we can get the optimal solutions, with r(C\*) is the square root of two.

Compared to our Center Selection Algorithm, if we select the point in the lower left corner as the start point, and then we should select a site with the largest distance which is in the upper right corner, at last we should select the site in the middle.