## 1. Problem

The problem of NAPROCK International Procon 2011 is to optimize number of stamps applied to the original image to achieve the final image. The image and stamp are an arrays[i,j] of boolean cells. Stamp is used to transform image by XOR with the image.

## 2. Algorithms

Rotating and positioning stamps on the initial image to achieve the final image is a hard problem. We try to use heuristic guide searching to achieve near optimal solution in a limited time constrain. Particularly, we apply greedy heuristic, where the stamp with transform the image the most is applied first. The solution obtained is then improved using other learning method such as genetic algorithm.

## 3. Programming language

Algorithms are implemented using C++ and deployed in Windows platform.