

ALGORITHMS
TERM
PROJECT

cadb0089 B04505026 蔡仲閔 B04505019 唐國霖

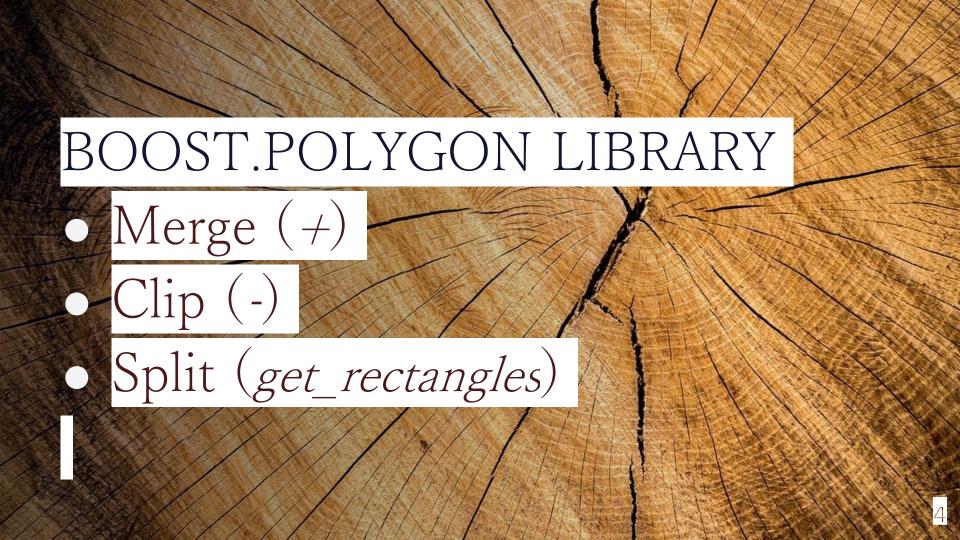


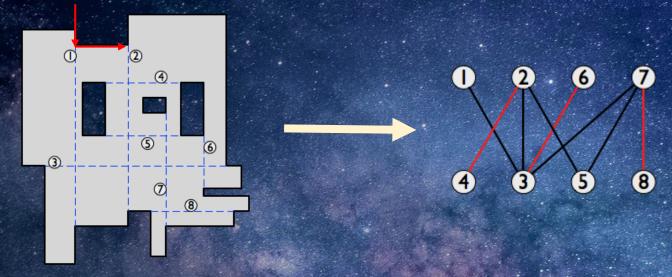
1.

Method

Let's start with the first set of slides







More Lines! Less Intersect!
-> Bipartite Matching

## Problem Statement

- Sequence of Operations
  - Operations did not match each Data sequence
- Solution
  - Mapping

## Results and Performance

- Use OpenCase to evaluate
- For OpenCase\_1
  - Number of Rectangular: 449
  - Running Time: 0.284755 (s)
  - For OpenCase\_2
    - Number of Rectangular: 586132
    - Running Time: 160.202 (s)

```
(base) josephtangtang@josephtang:-/ Terminal(Ctrl+') thm/final_project$ ls
0908.3916v1.pdf 2019CADContest ProblemE V3 total.pdf CaseResult.txt OpenCase 1.txt OpenCase 2.txt
(base) josephtangtang@josephtang:-/Documents/Algorithm/final_project$ ./test OpenCase 1.txt out1.txt
Time taken: 0.282835
(base) josephtangtang@josephtang:-/Documents/Algorithm/final_project$ ./test OpenCase 2.txt out2.txt
Time taken: 160.202
```

## Thanks!

## Any questions?

You can find me at:

- b04505026@ntu.edu.tw
- b04505019@ntu.edu.tw