Rectangular Partitioning of Rectilinear Polygons

Exercise 15

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Introduction to the problem

Exercise 15

Decompose a rectilinear polygon into rectangles, using segments aligned with the edges of the polygon. The algorithm must produce the **minimum number of pieces**, and the output must give a complete description of the partition.
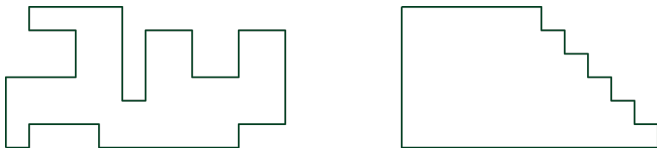
Input
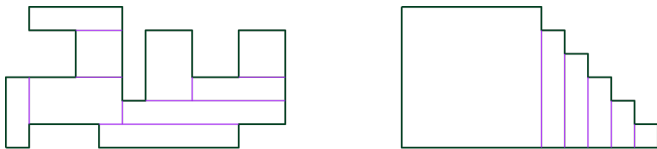
A polygon whose sides meet at right angles.

Output

A **partition** of the polygon into rectangles, with no overlaps.

Figure 1: Two rectilinear polygons.

Figure 2: A minimum partition of both.

Solution

Main Content

Important Point

This is an important point you want to highlight.

- More content.
- More points.

Conclusion

Conclusion

- Summarize key points.
- Highlight takeaways.

Thank you for your attention!