Team Mirai

Shape Plotting Algos
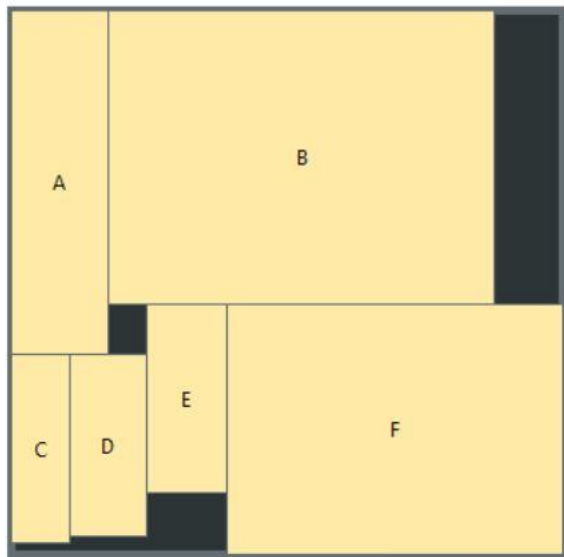
Tools Used

Python

Tkinter - plotter

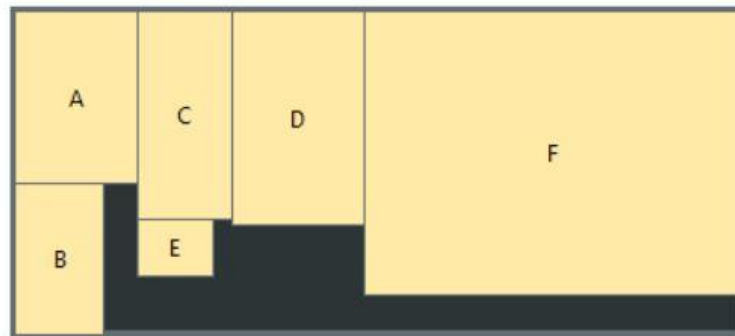# Tier 1

Without Optimization

Data set 1

Length =330 Breadth=326 Area= 107580 mm^2
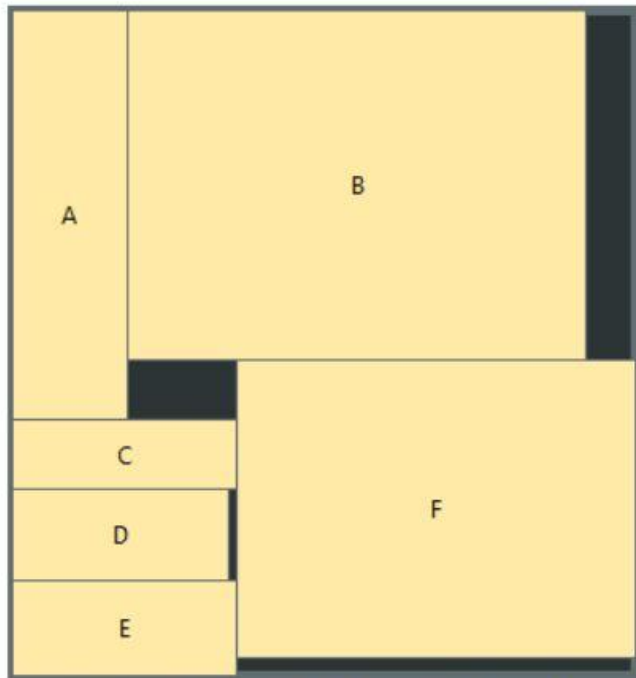
Data set 2

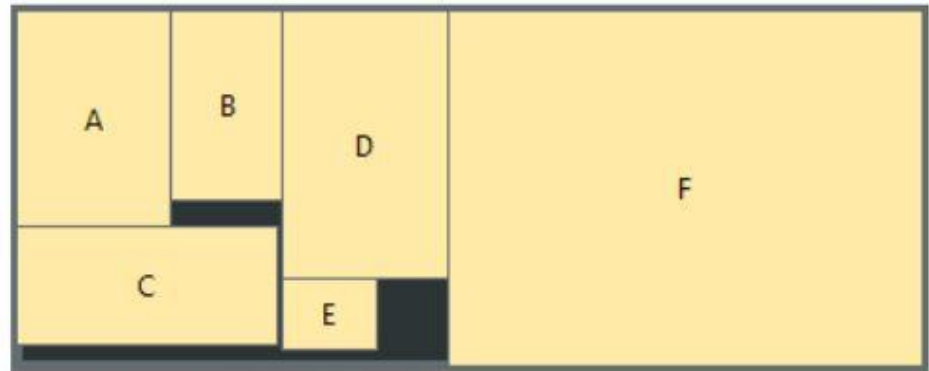Length =385 Breadth=171 Area= 65835 mm^2

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Tier 1

With our Optimization Algo

Data set 1

A

B

C

D

E

F

Length =314 Breadth=335 Area= 105190 mm^2
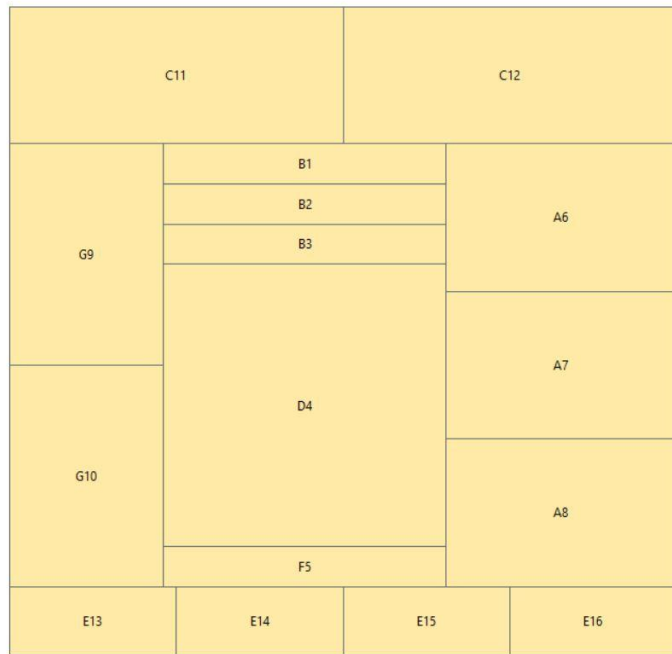
Data set 2

A

B

C

D

E

F

Length =382 Breadth=150 Area= 57300 mm^2

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Tier 2

Begin with the Any and build in centre and build other things upon it.
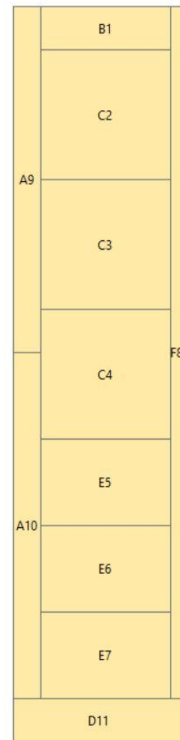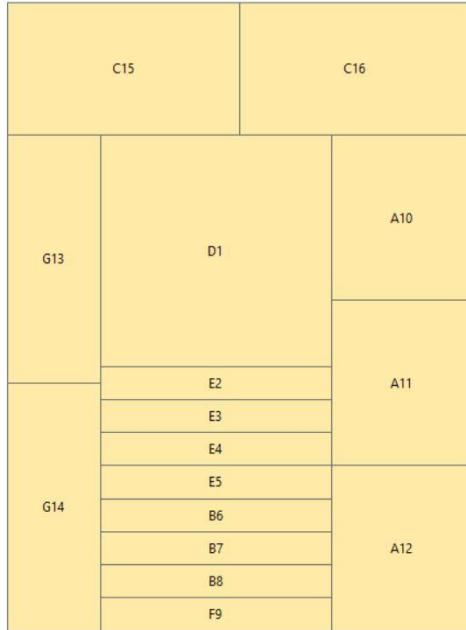
Our Output

Data set 1

Data set 2

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Tier 3

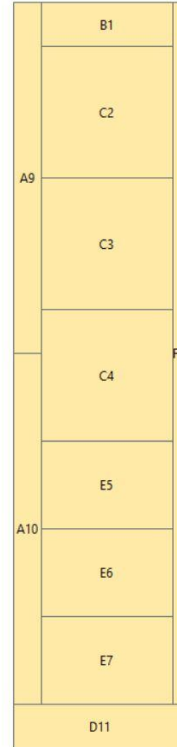Same as previous but with some tweaks (Grouping Magic Added)

Works for all data sets with an ANY block.

Data set 1

Data set 2

That's a wrap!

Any Questions?