WSPD cover

$n = 30$

$\varepsilon = 1$
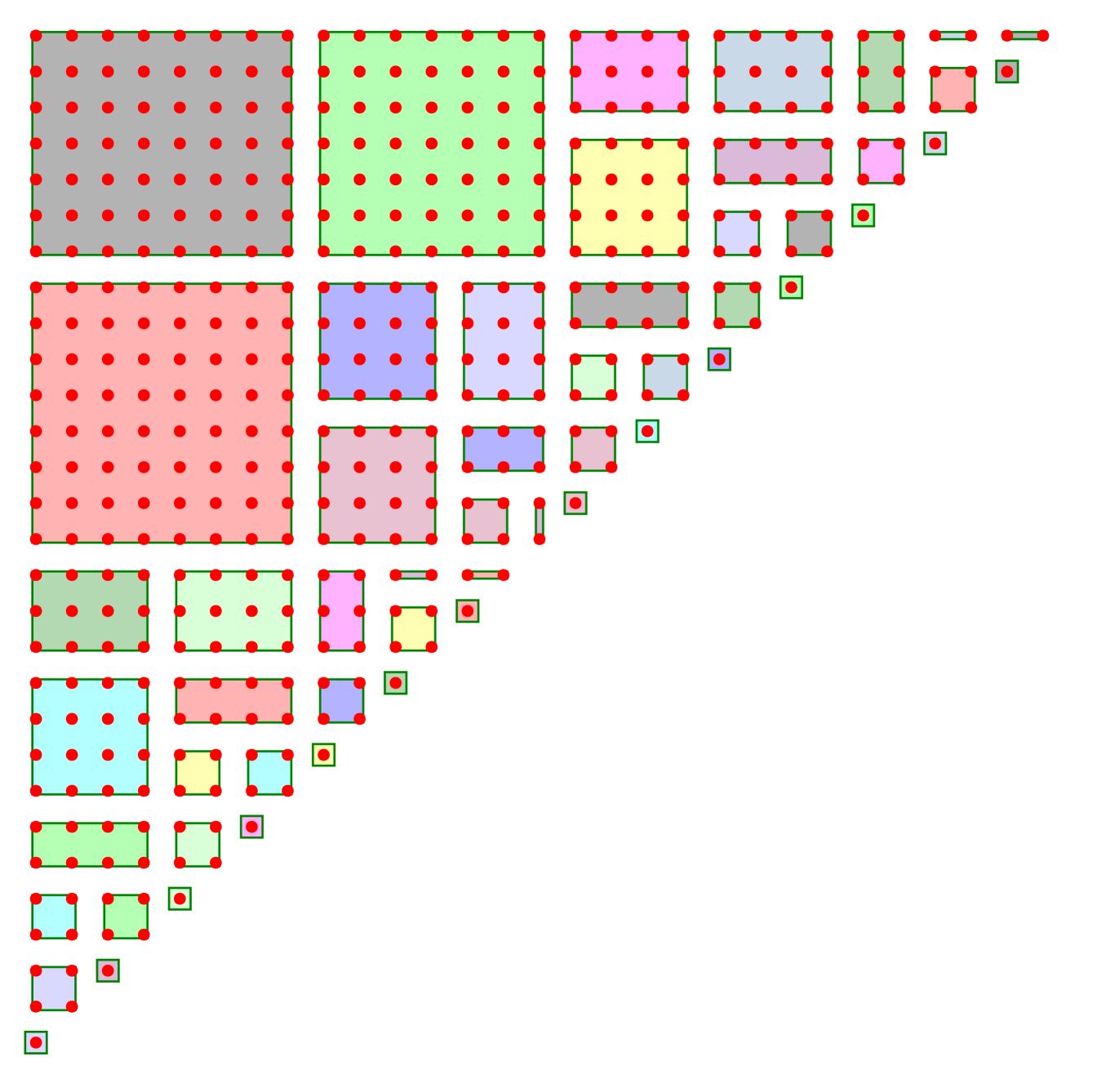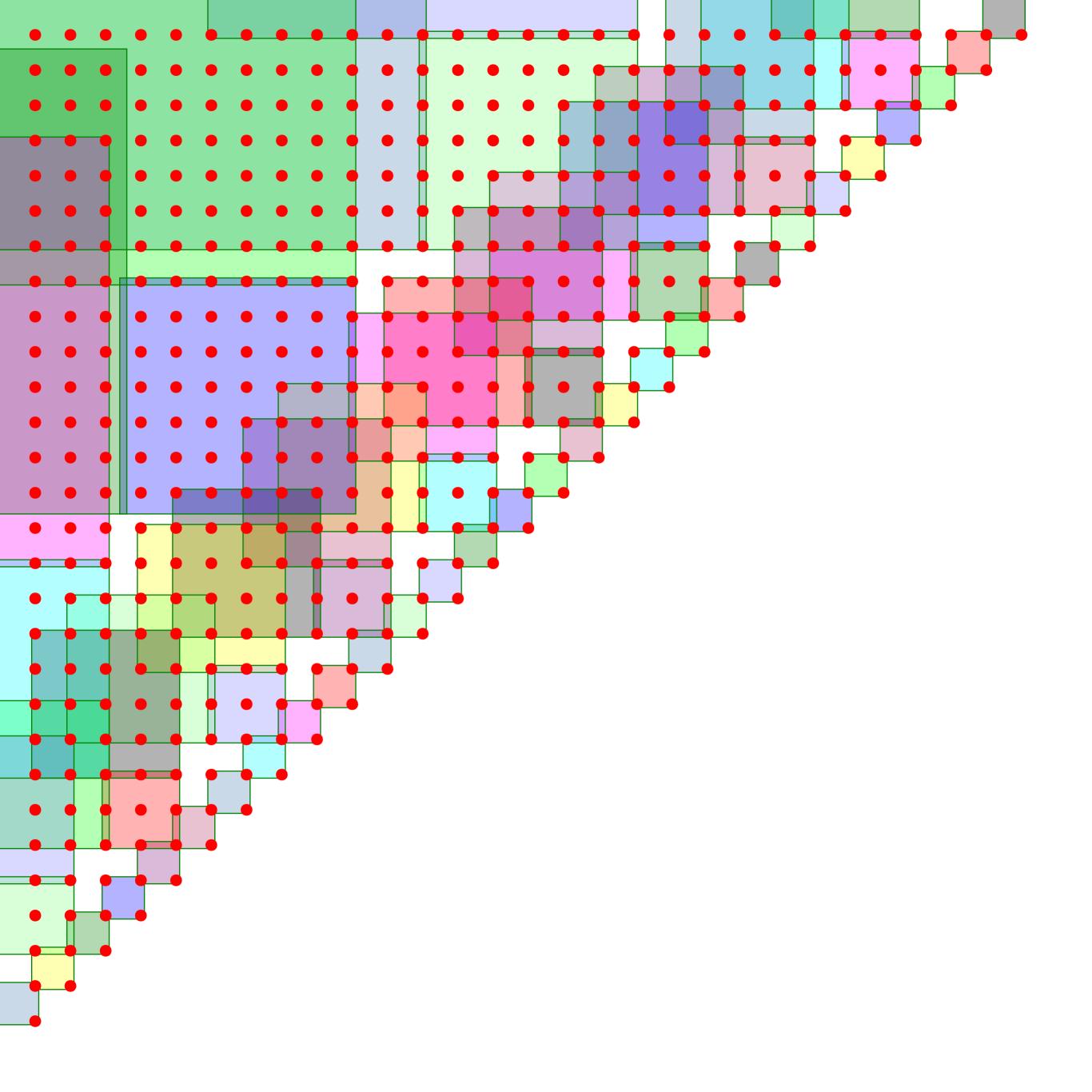
$N = 435$ (# of grid points)
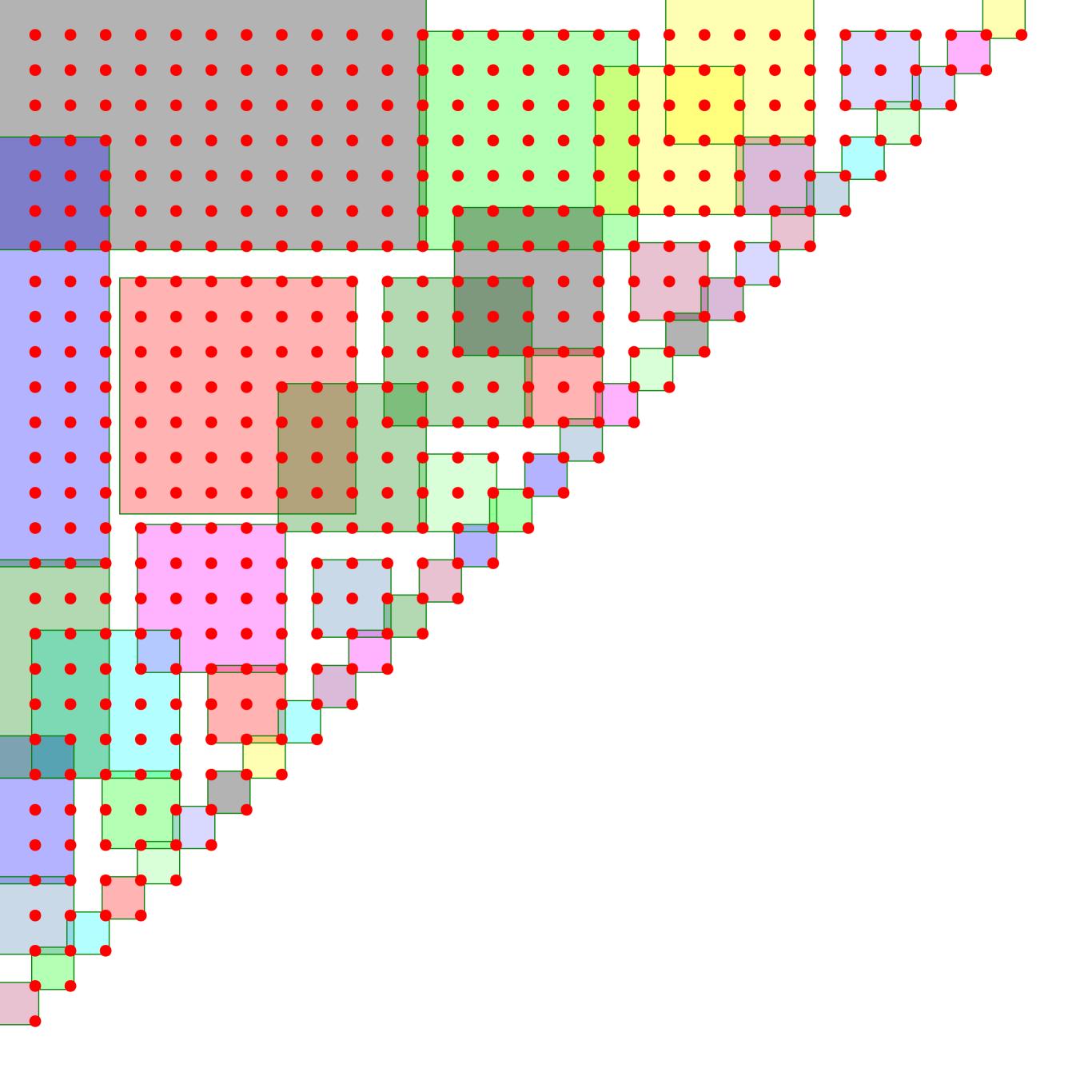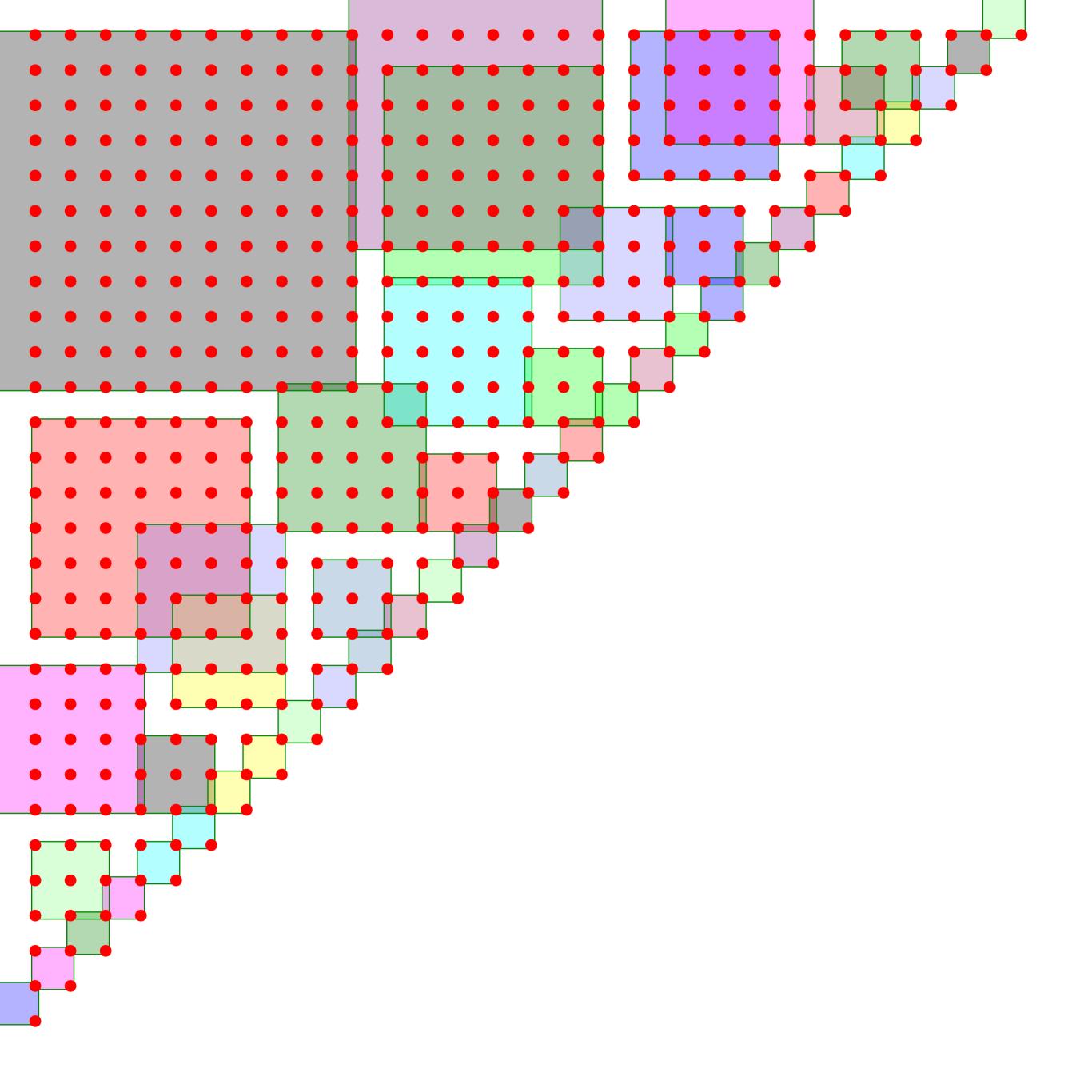
$|WSPD| = 55$

3 approx cover

n = 30

|3-approx| = 63

3 approx cover (clean)

n = 30

|3-approx-clean| = 51

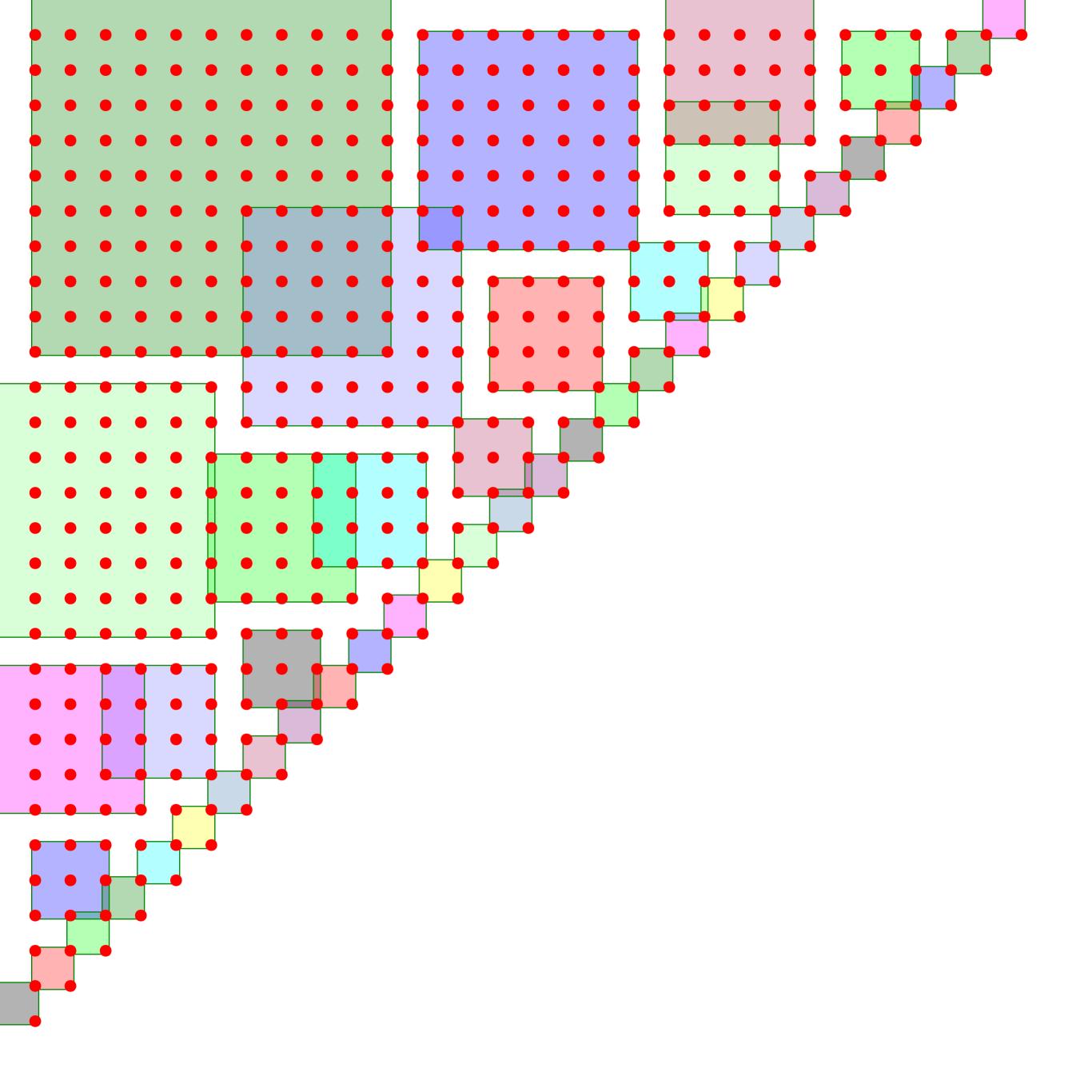Cleaning is done using greedy cover on the 3-approx solution computed.

Greedy cover

n = 30

$\varepsilon = 1$

|Greedy| = 49

Solution computed by setting up the set system, and using greedy set-cover to solve it.

IP cover

n = 30

ε = 1

|IP| = 45

Set up the natural IP for set-cover, and solve it exactly using Gurobi

Summary

n = 30   (N=435)

ε = 1

|IP| = 45

|Greedy| = 49

|WSPD| = 55

|3-aprx| = 63

|3-aprx-c| = 51