WSPD cover

$n = 20$

$\varepsilon = 1$
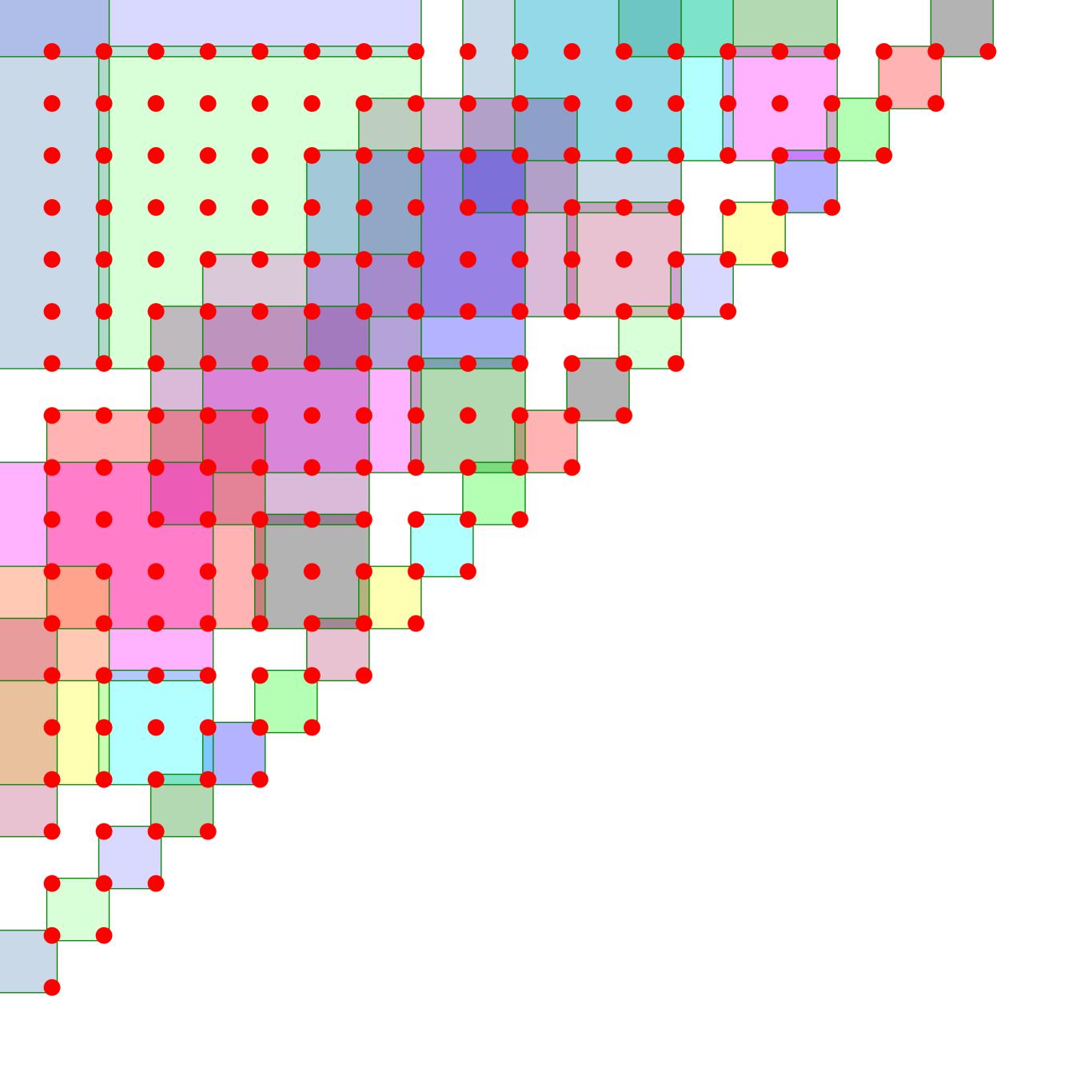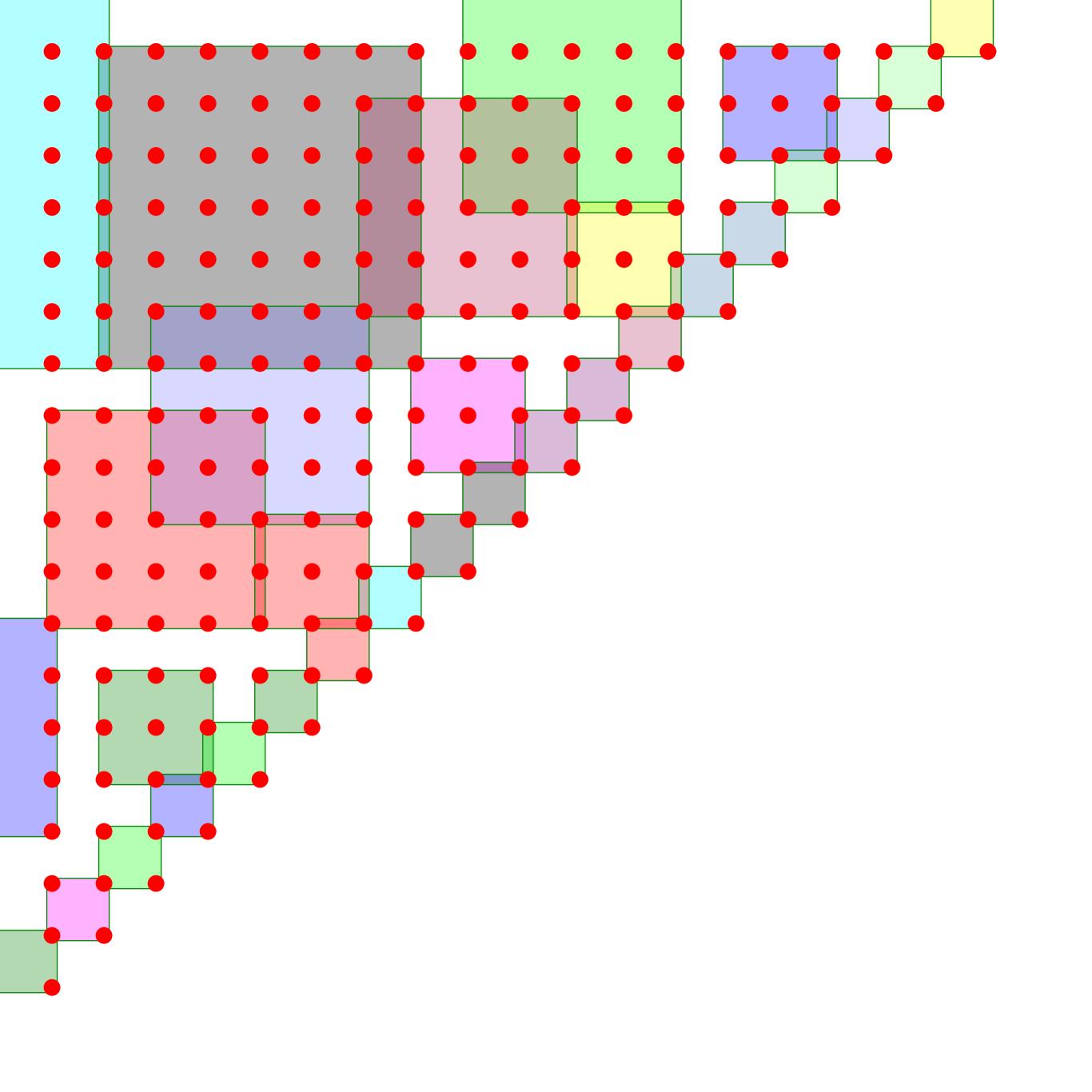
$N = 190$ (# of grid points)
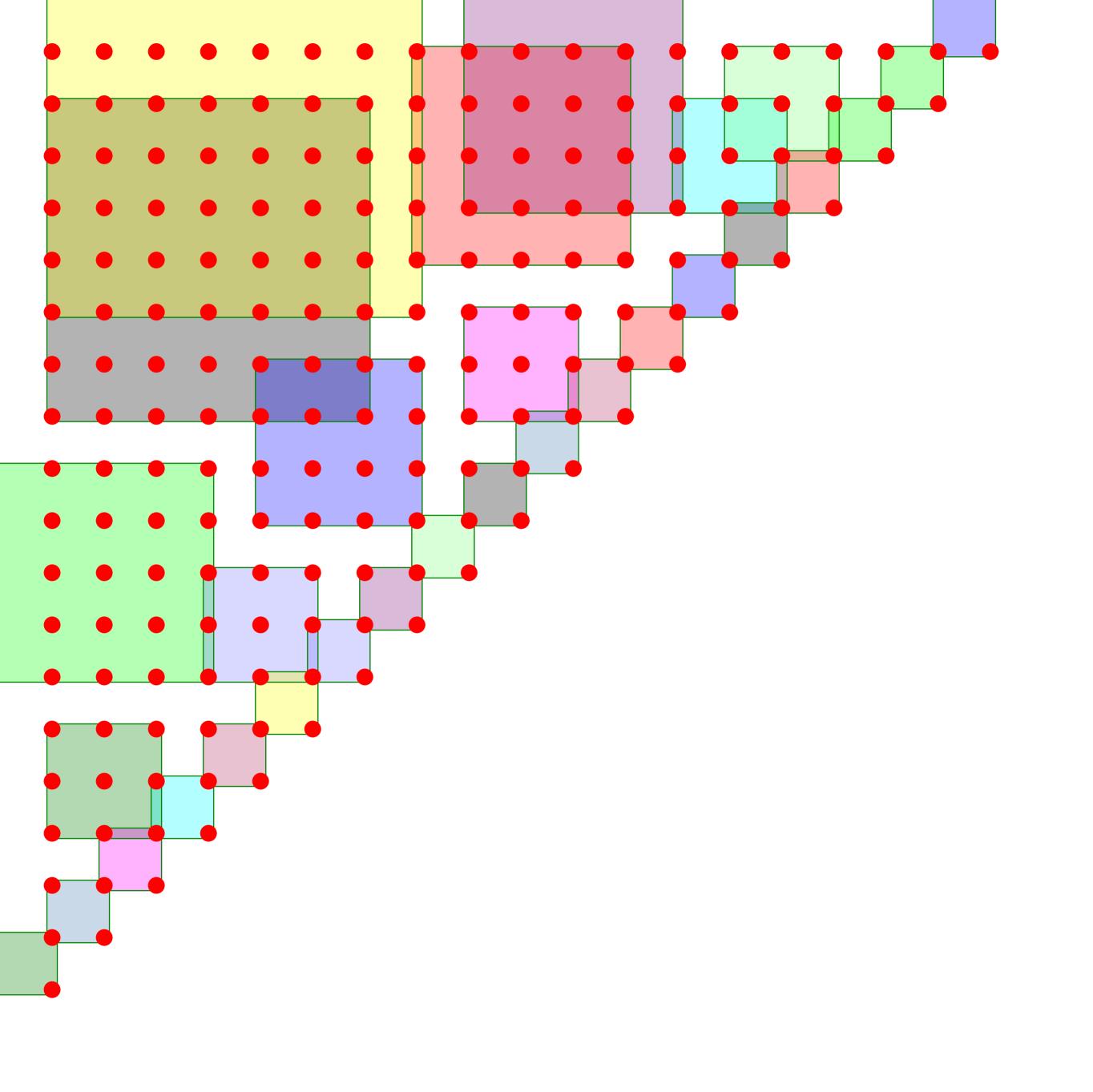
$|WSPD| = 36$

3 approx cover

$n = 20$

$|3\text{-approx}| = 38$

3 approx cover (clean)

n = 20

|3-approx-clean| = 31

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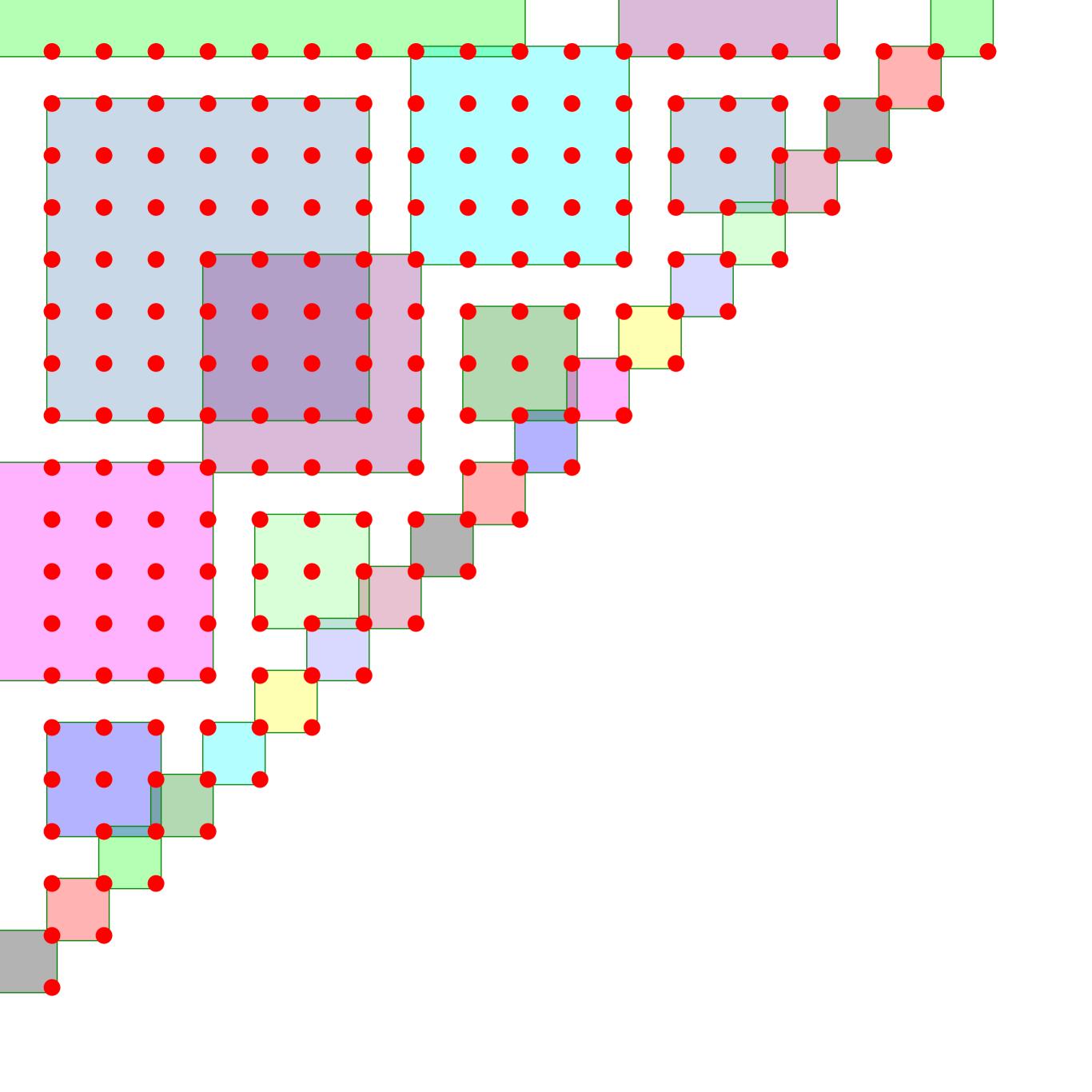
Greedy cover

n = 20

ε = 1

|Greedy| = 30

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

IP cover

n = 20

ε = 1

|IP| = 29

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

Summary

n = 20   (N=190)

ε = 1

|IP| = 29

|Greedy| = 30

|WSPD| = 36

|3-aprx| = 38

|3-aprx-c| = 31