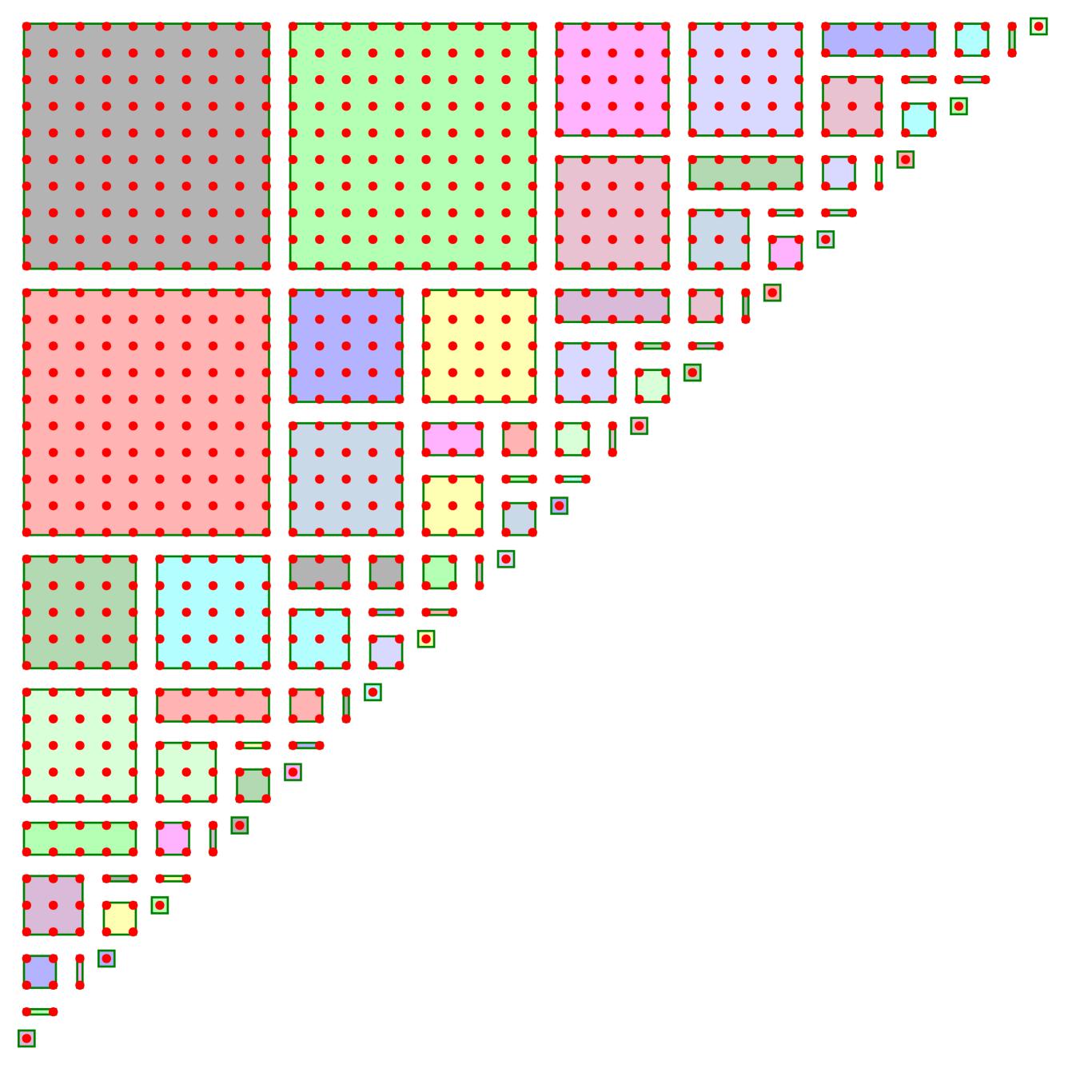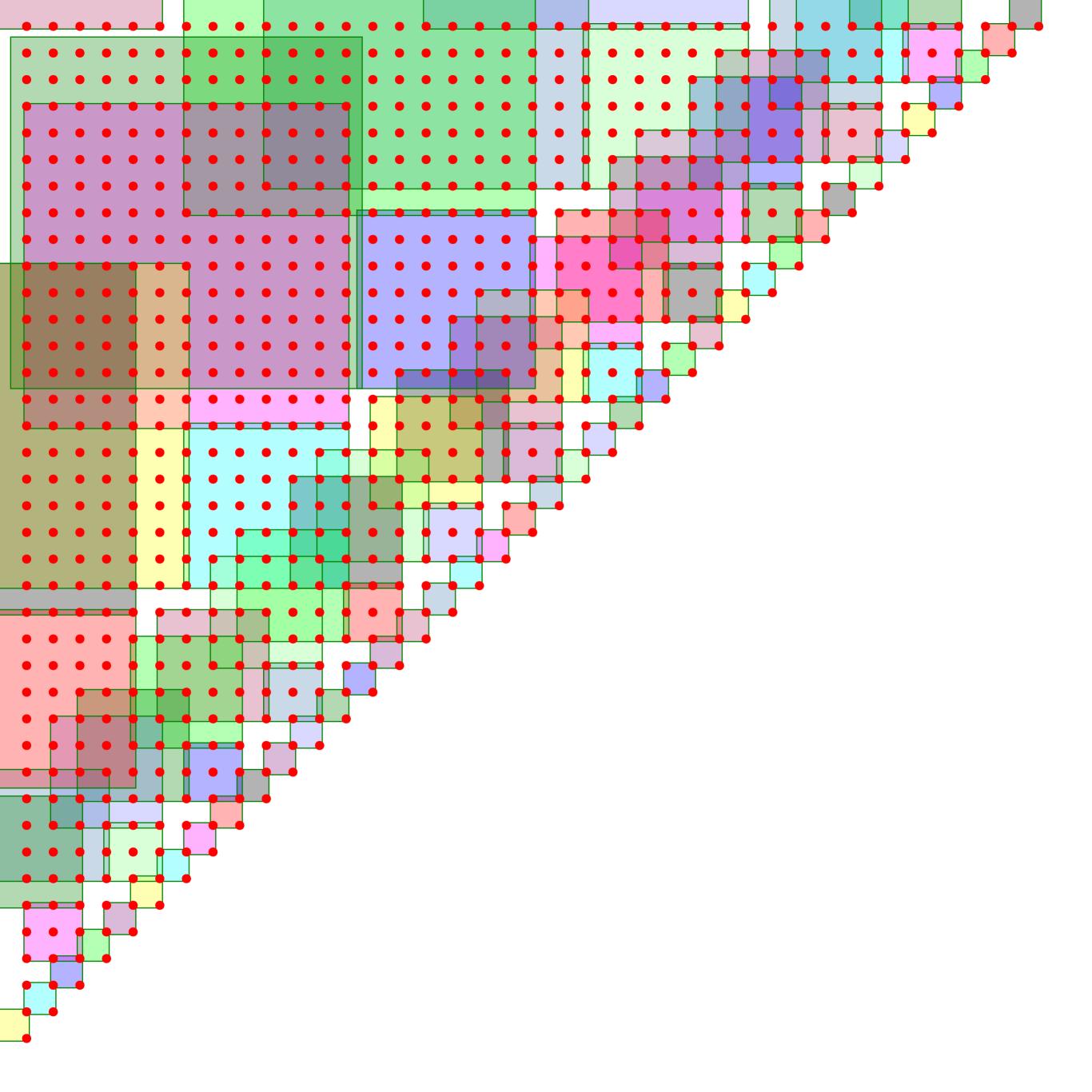WSPD cover

n = 40

$\varepsilon = 1$
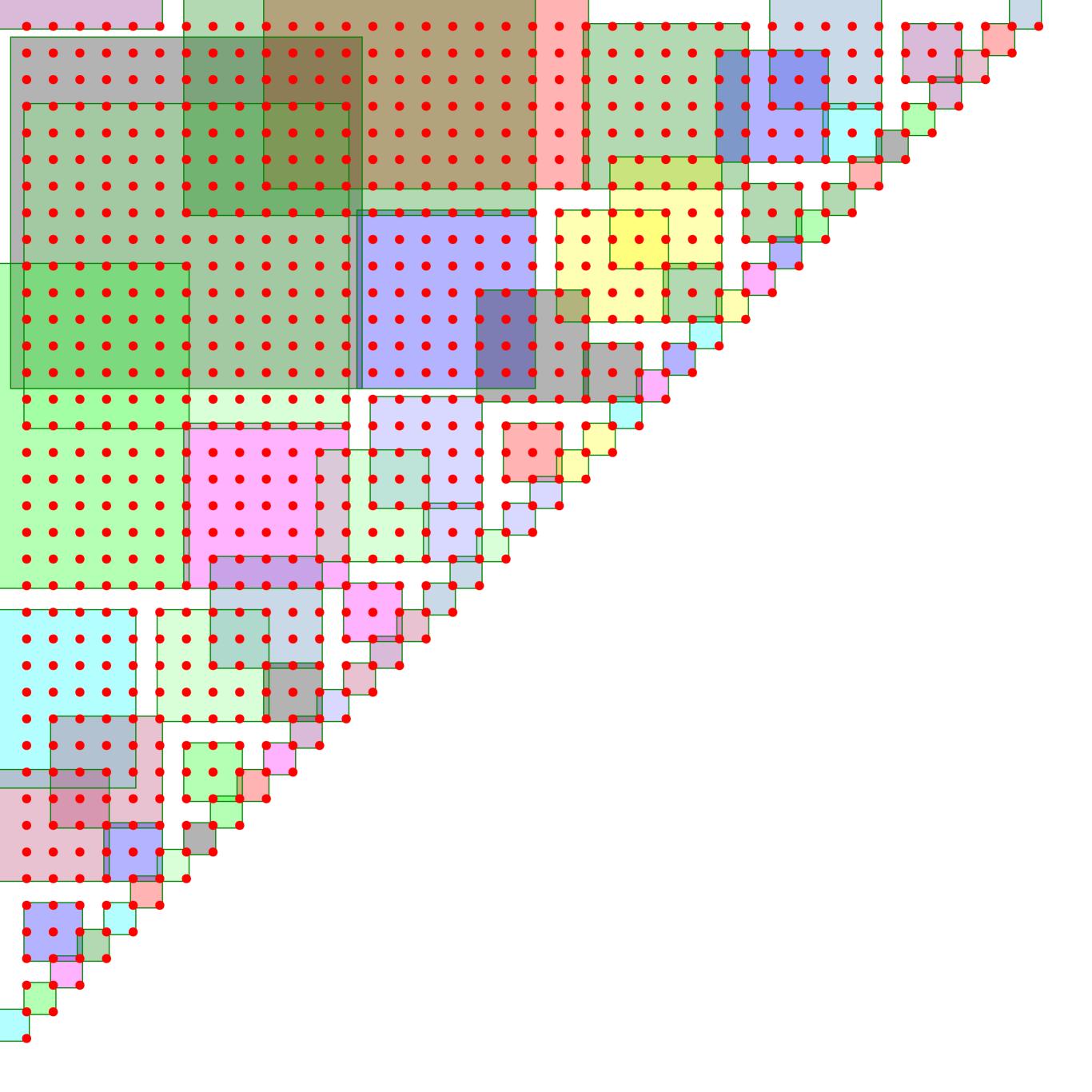
N = 780 (# of grid points)

|WSPD| = 82

3 approx cover

n = 40

|3-approx| = 86
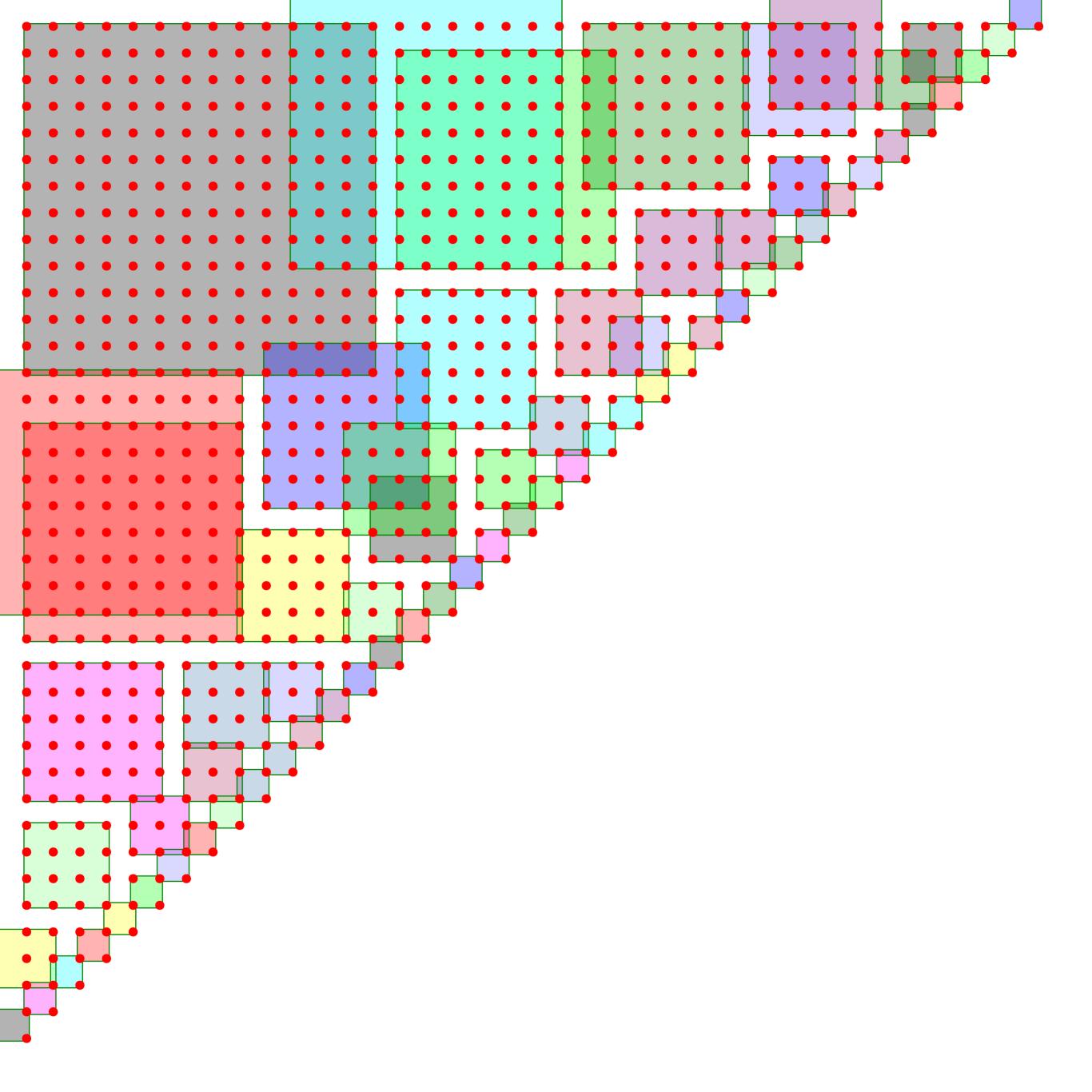
3 approx cover (clean)

n = 40

|3-approx-clean| = 72

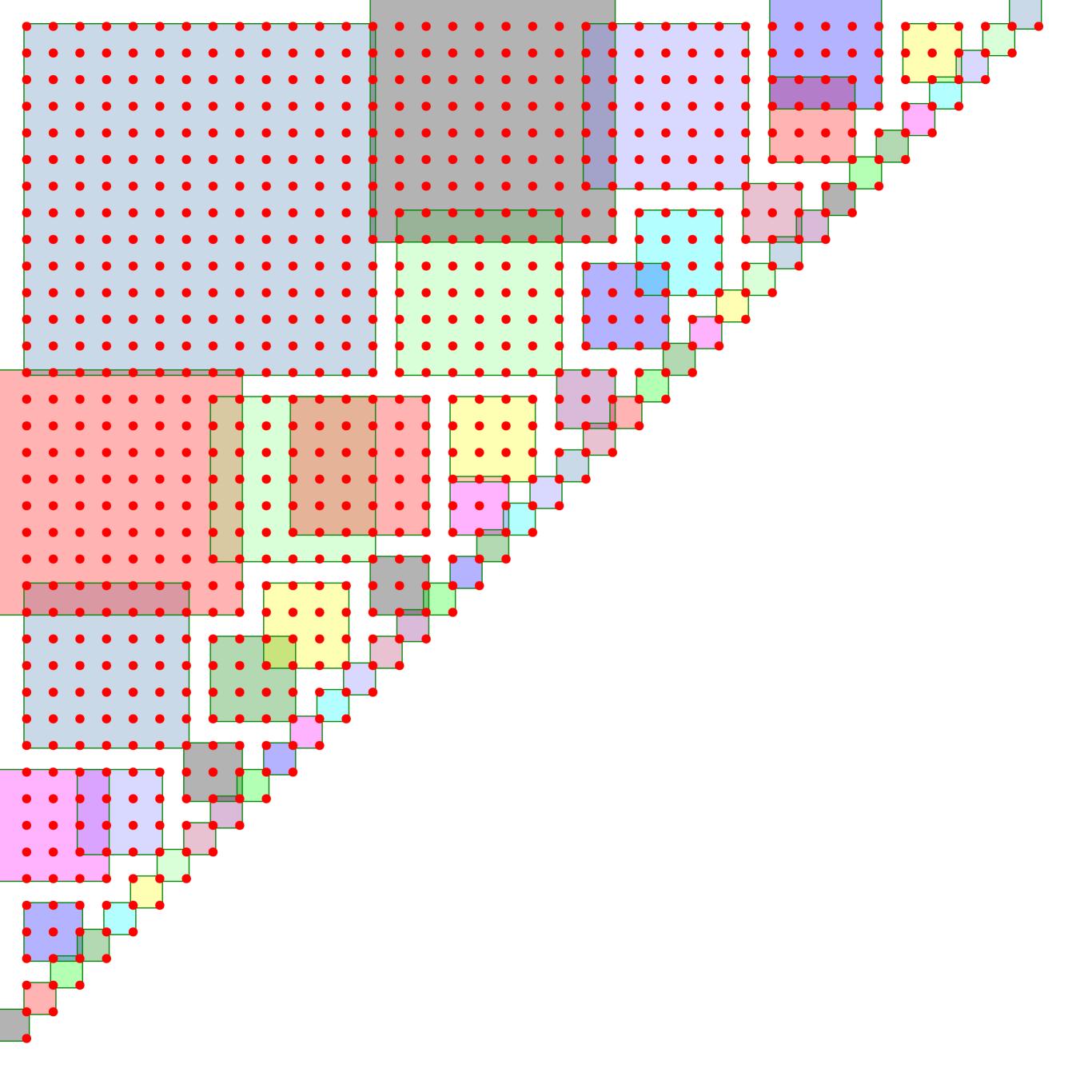Cleaning is done using greedy cover on the 3-approx solution computed.

Greedy cover

n = 40

$\varepsilon = 1$

|Greedy| = 69

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

IP cover

n = 40

ε = 1

|IP| = 63

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

Summary

n = 40   (N=780)

ε = 1

|IP| = 63

|Greedy| = 69

|WSPD| = 82

|3-aprx| = 86

|3-aprx-c| = 72