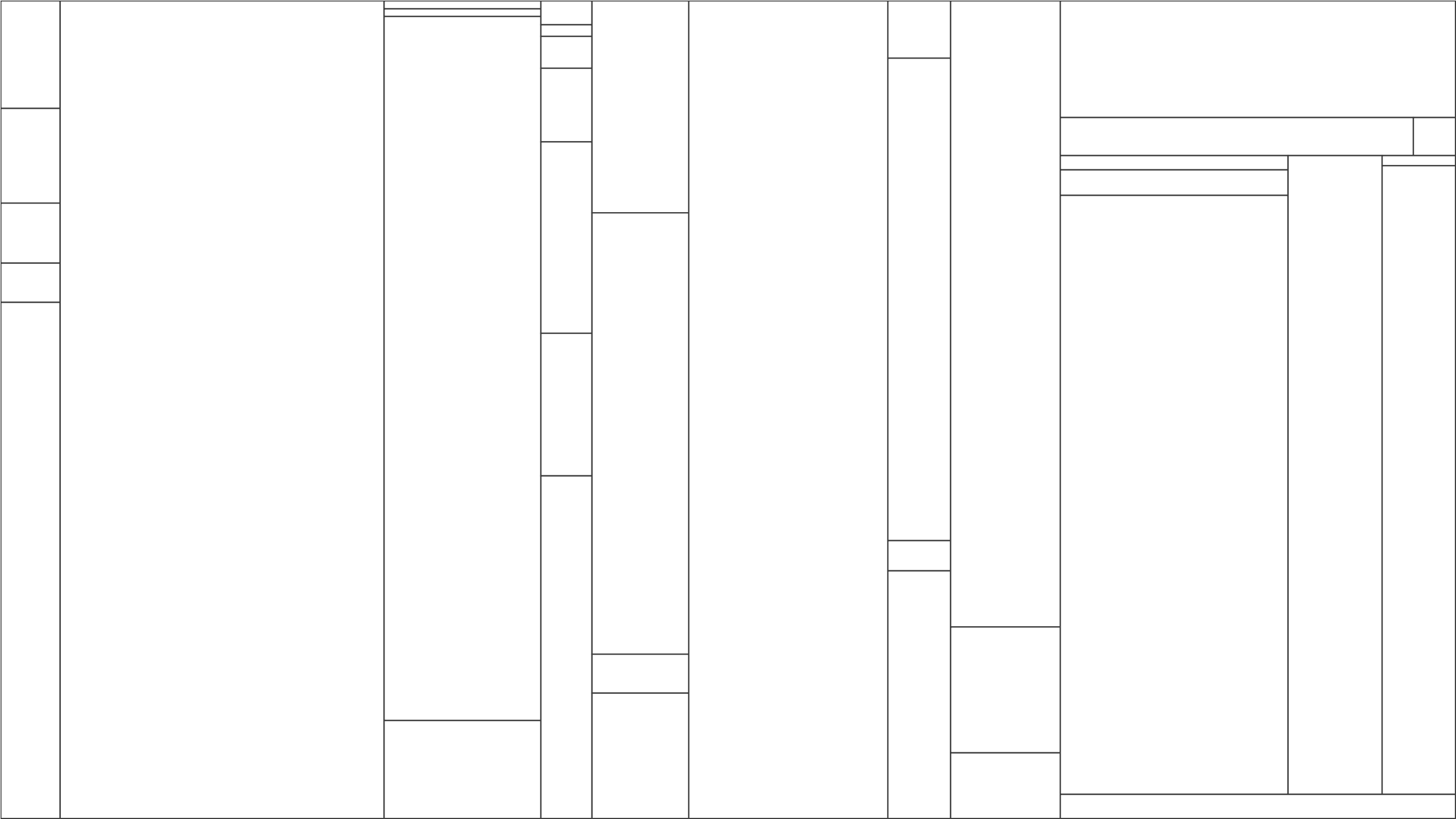
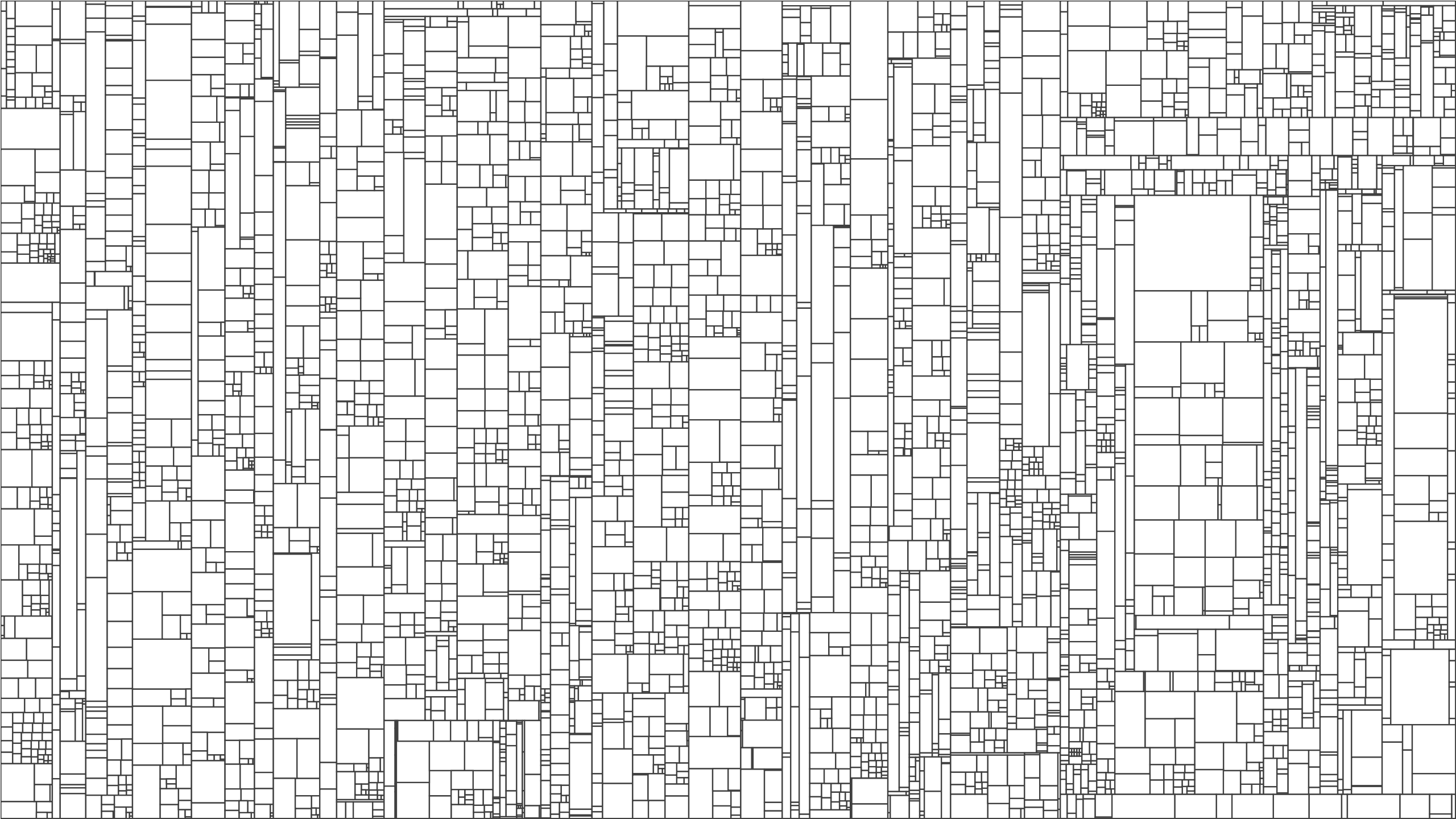


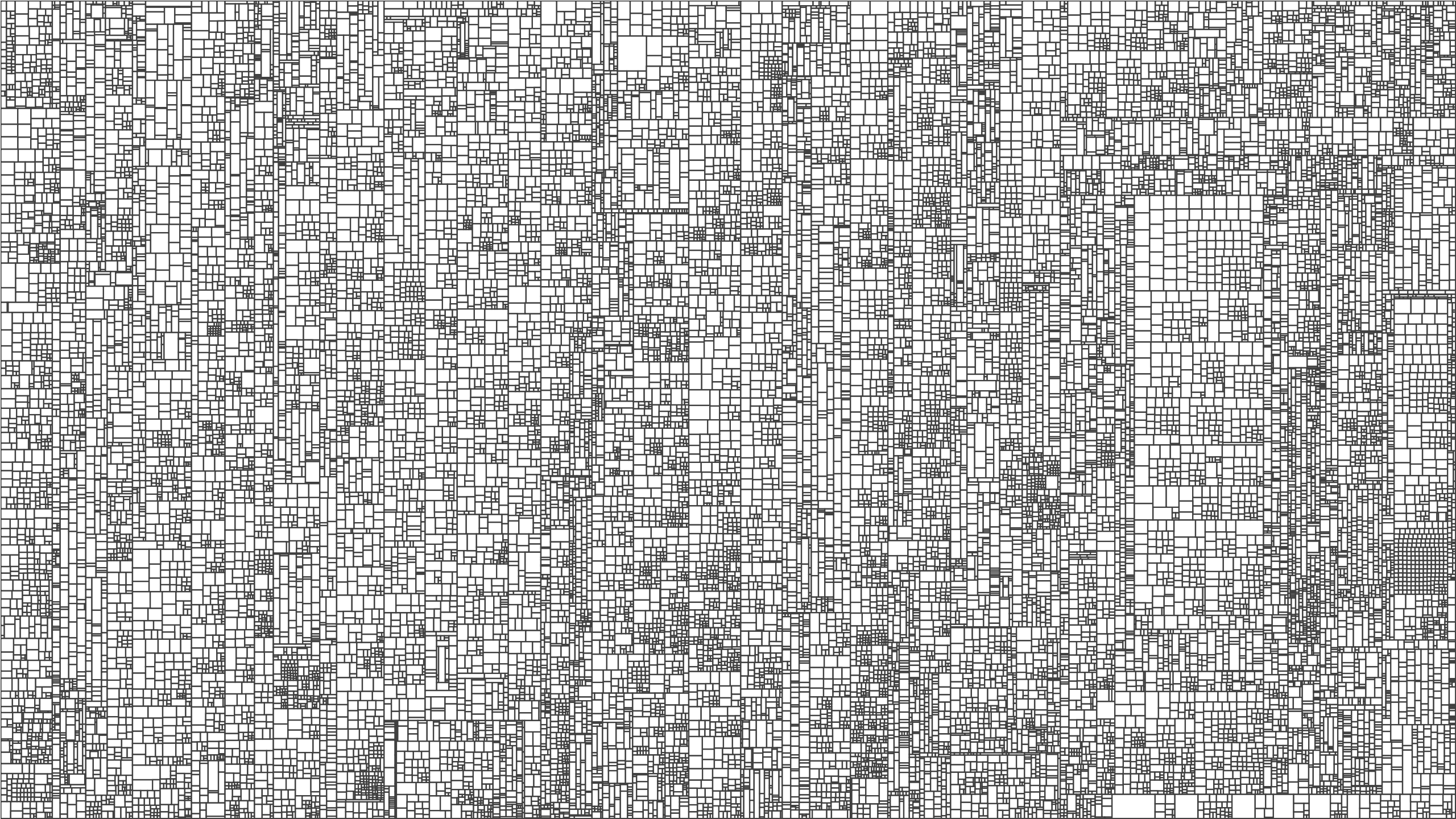
Welche Tests soll ich jetzt ausführen?

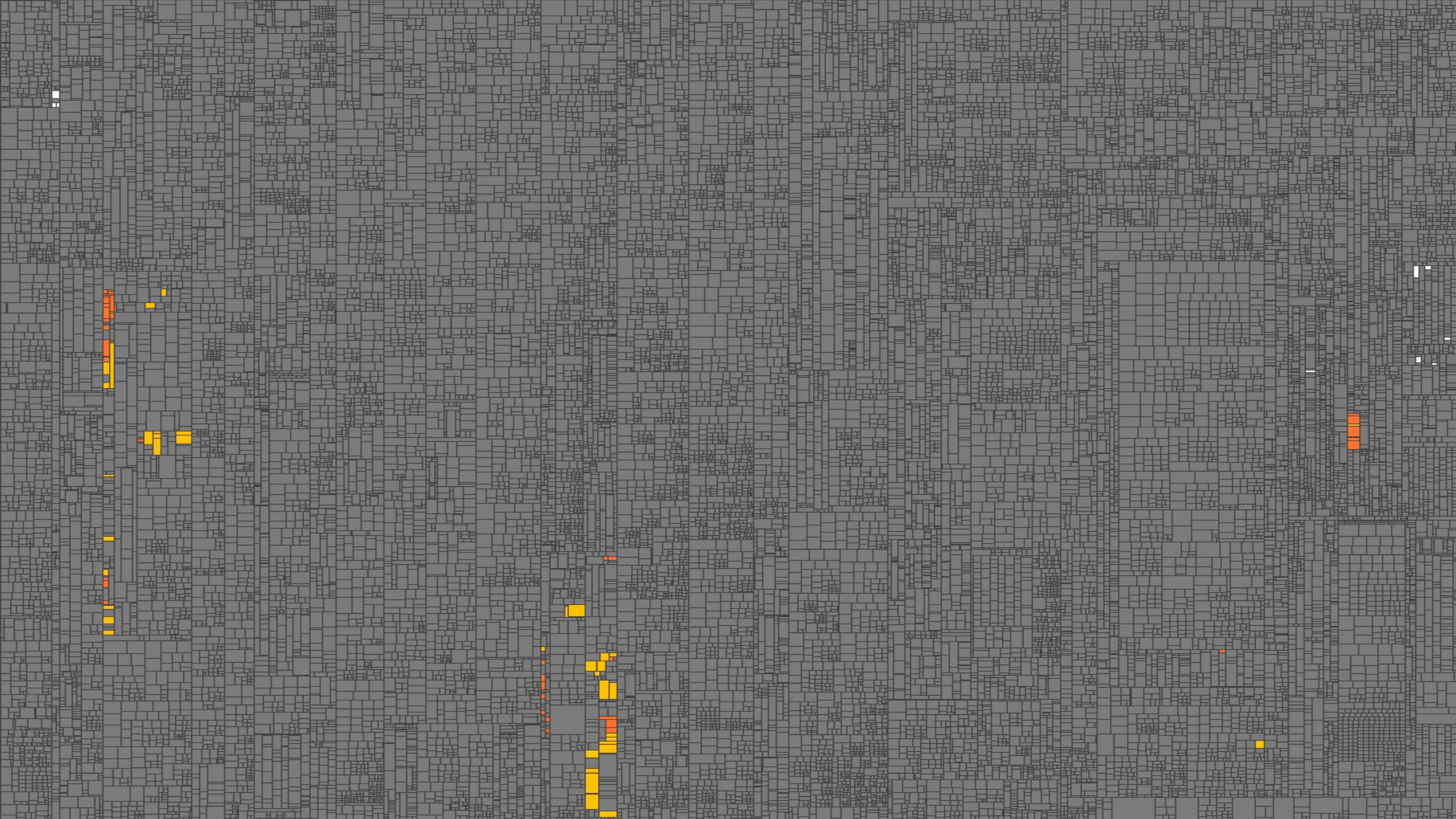
Erfahrungen mit Testselektionsverfahren bei historisch gewachsenen Test-Suites

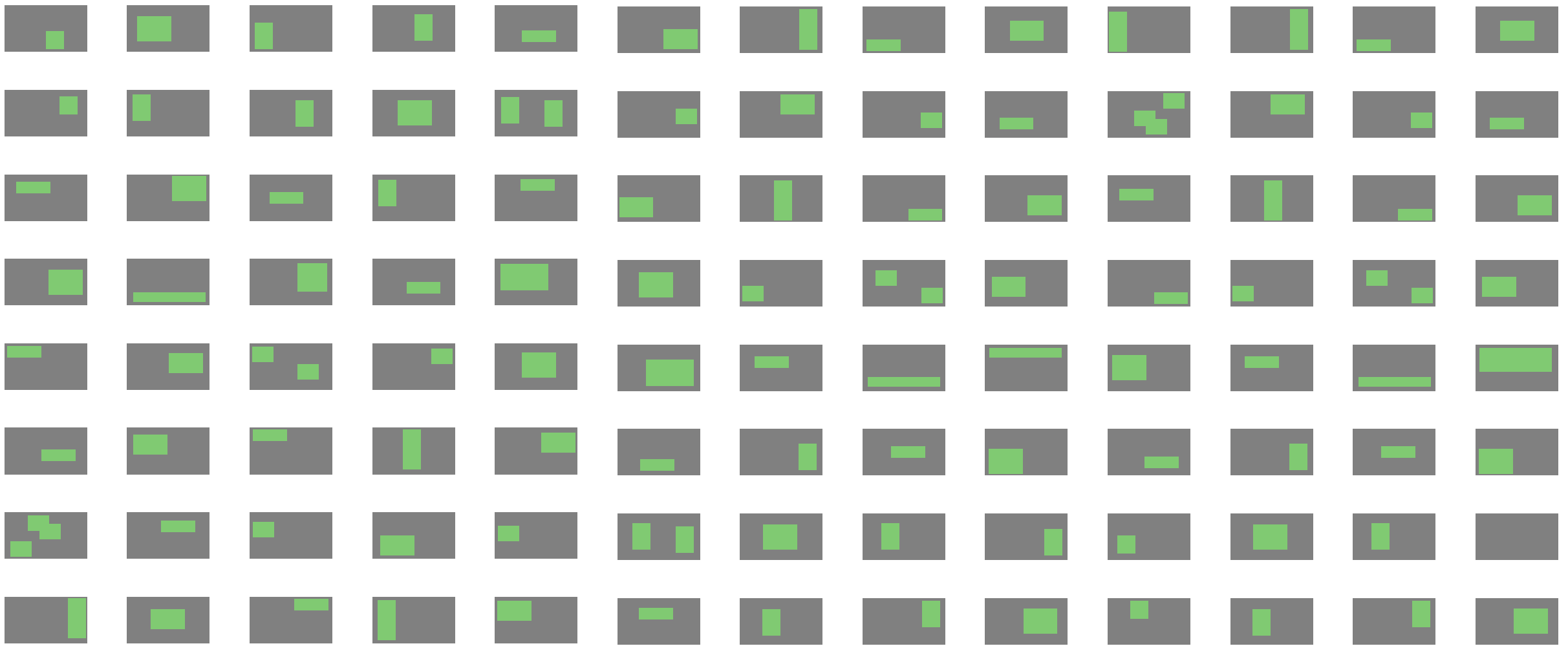




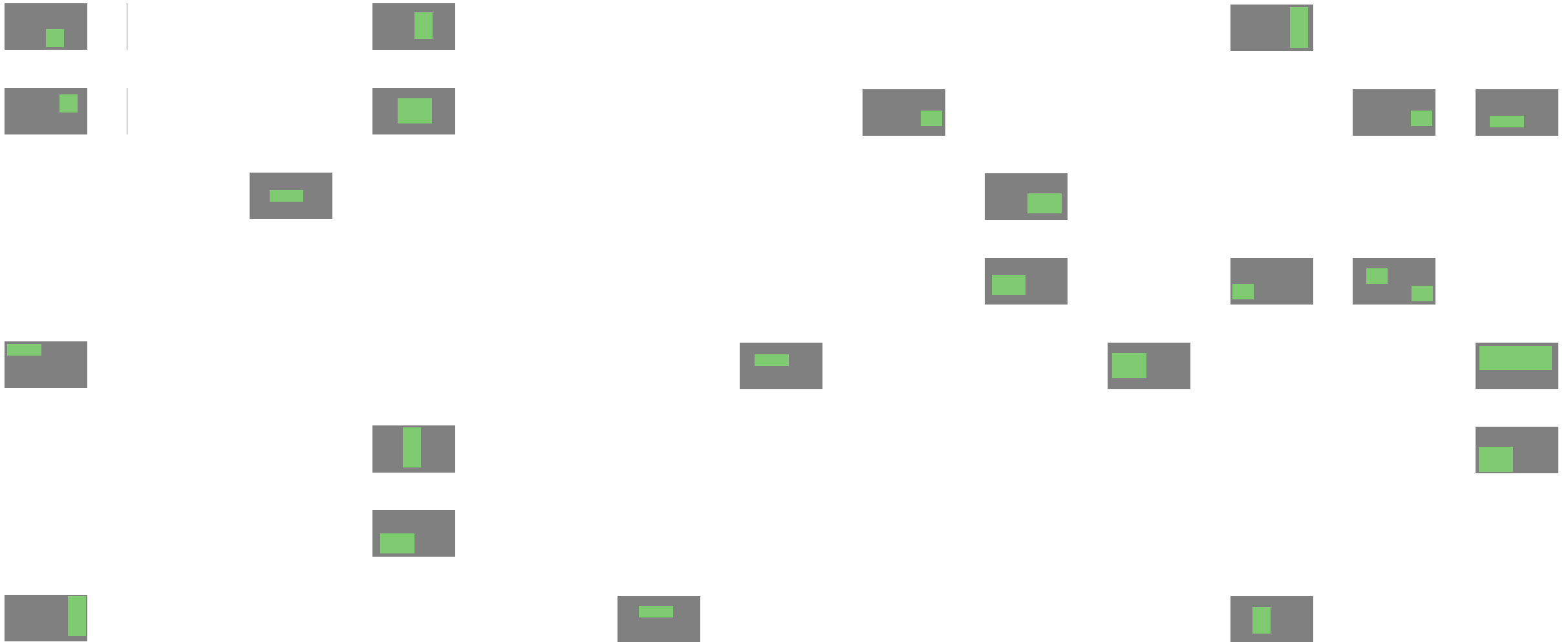






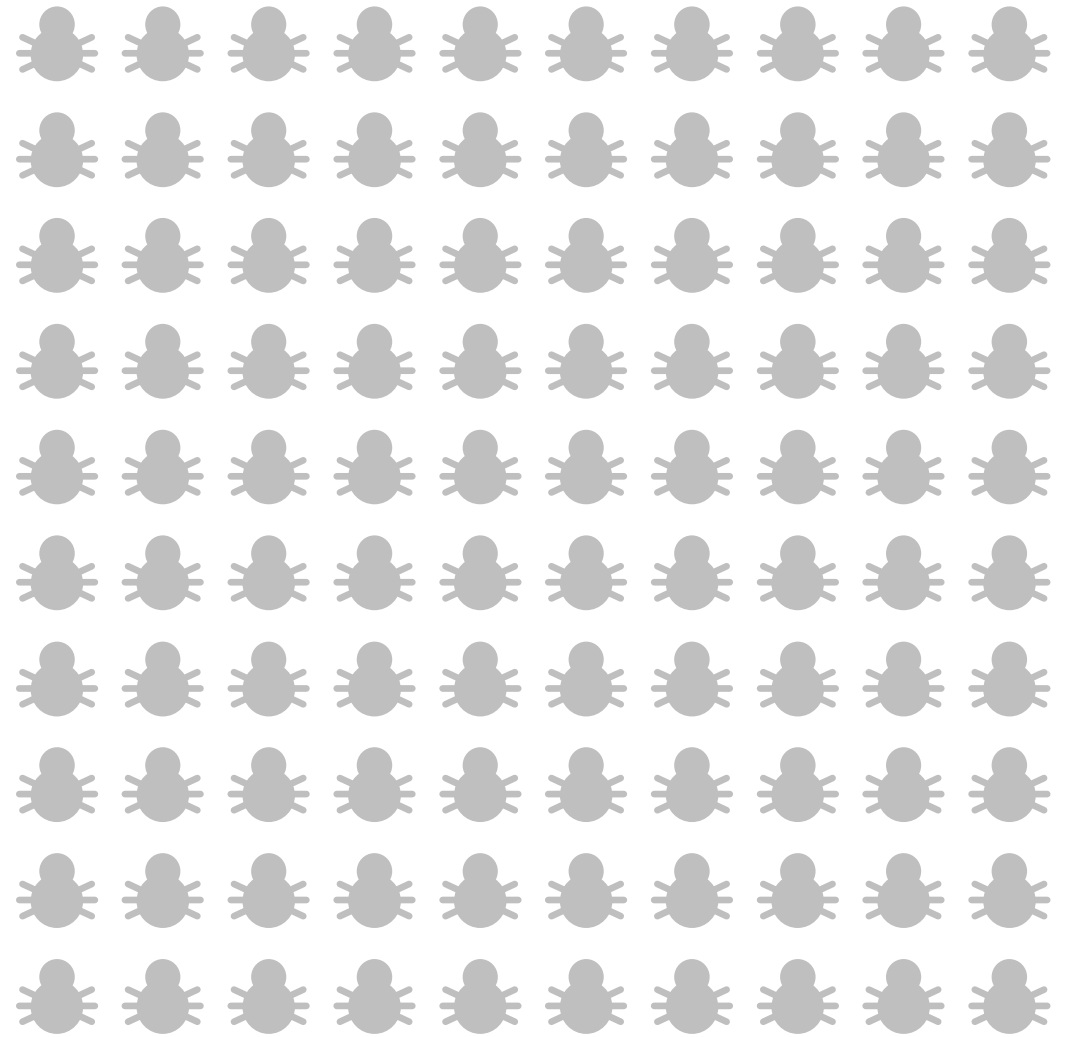
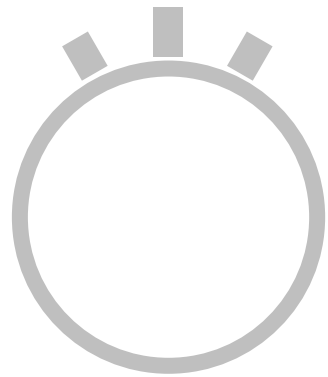


Schritt 1: Selektion betroffener Testfälle

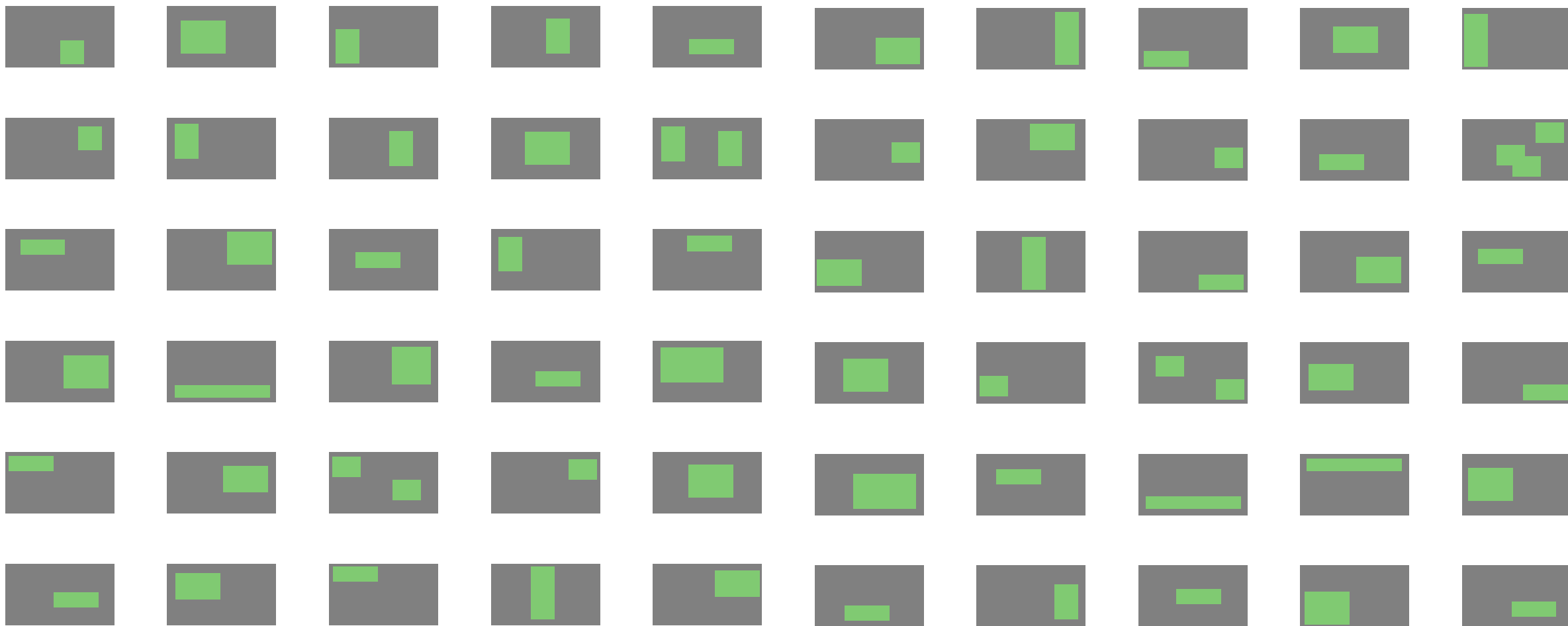


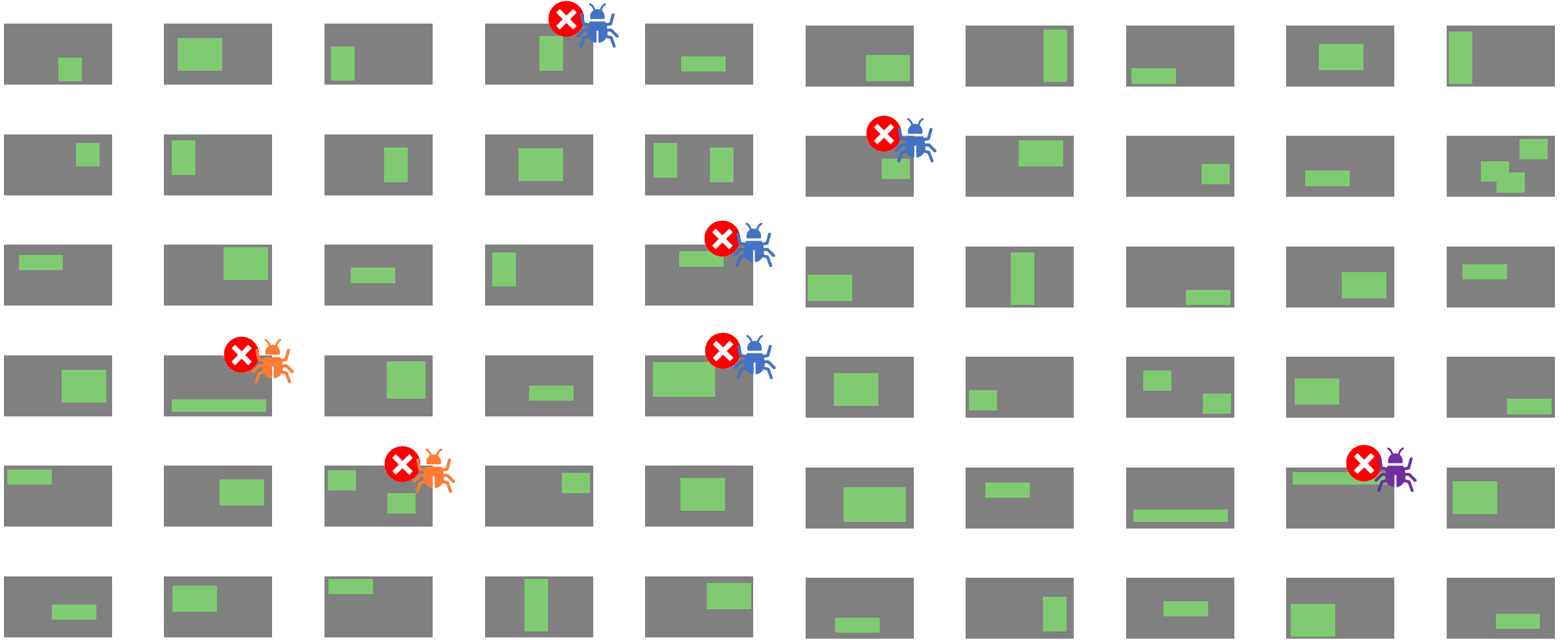
Schritt 2: Priorisierung selektierter Testfälle



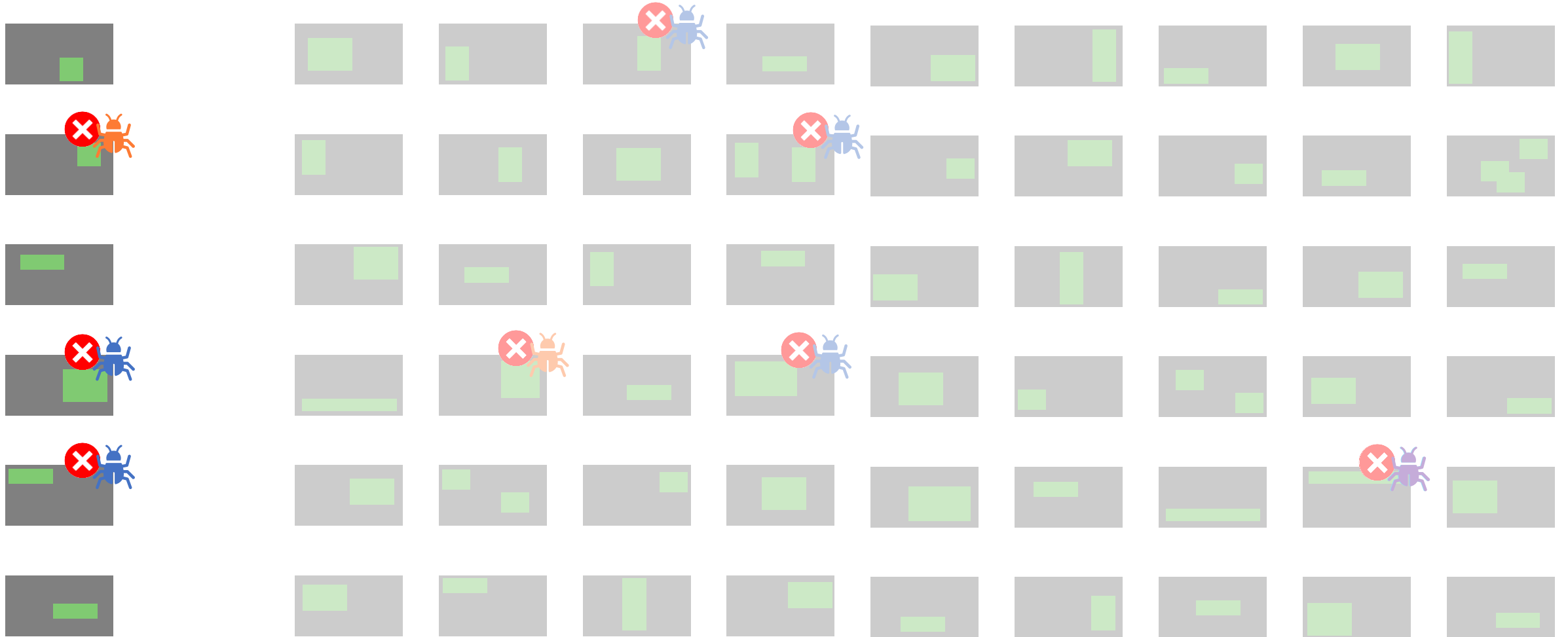


Geht das auch einfacher?





Pareto-Optimierung



Sample Only the Active Layer/Mask

Untitled1 x Picture1.png x

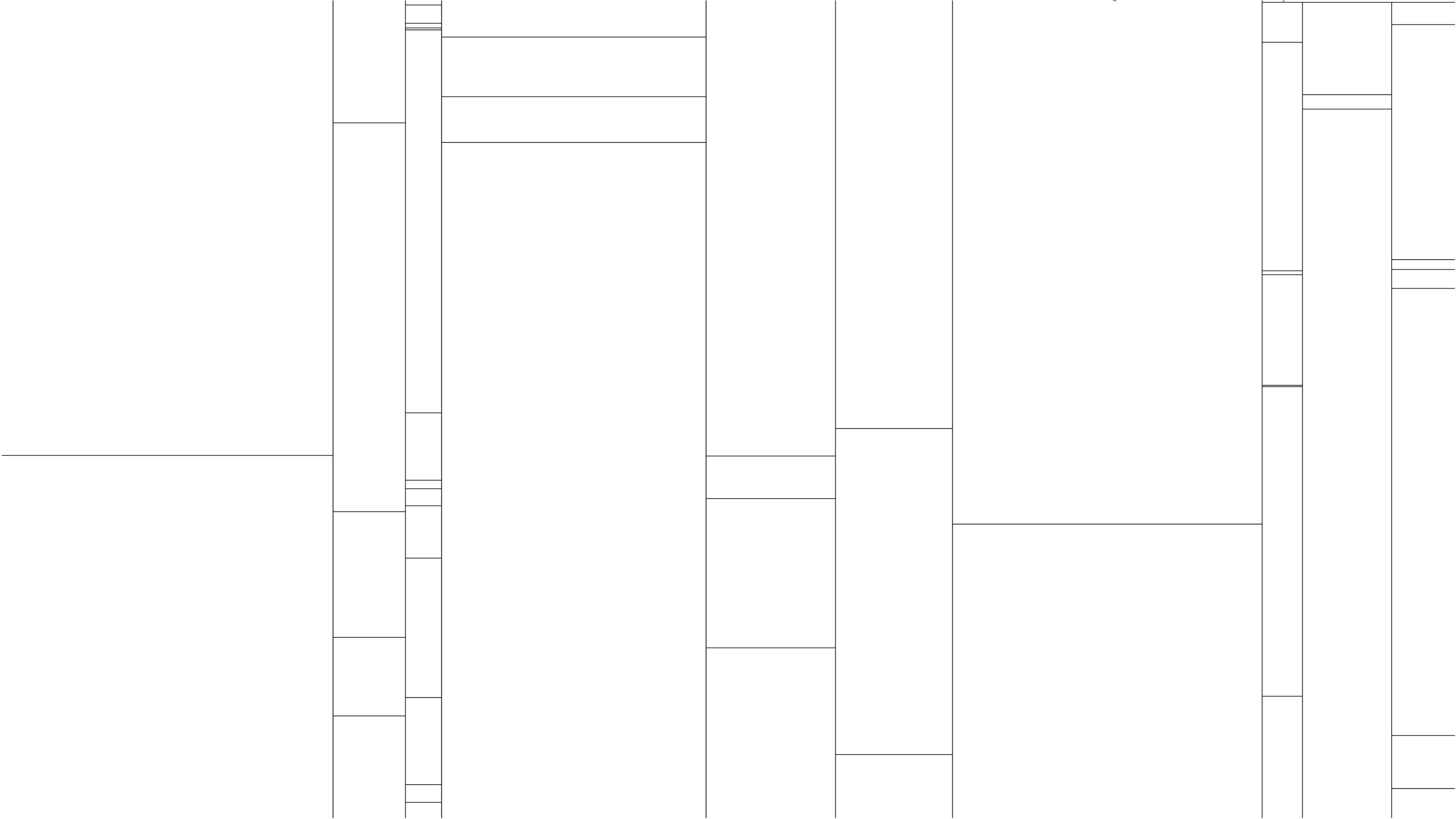


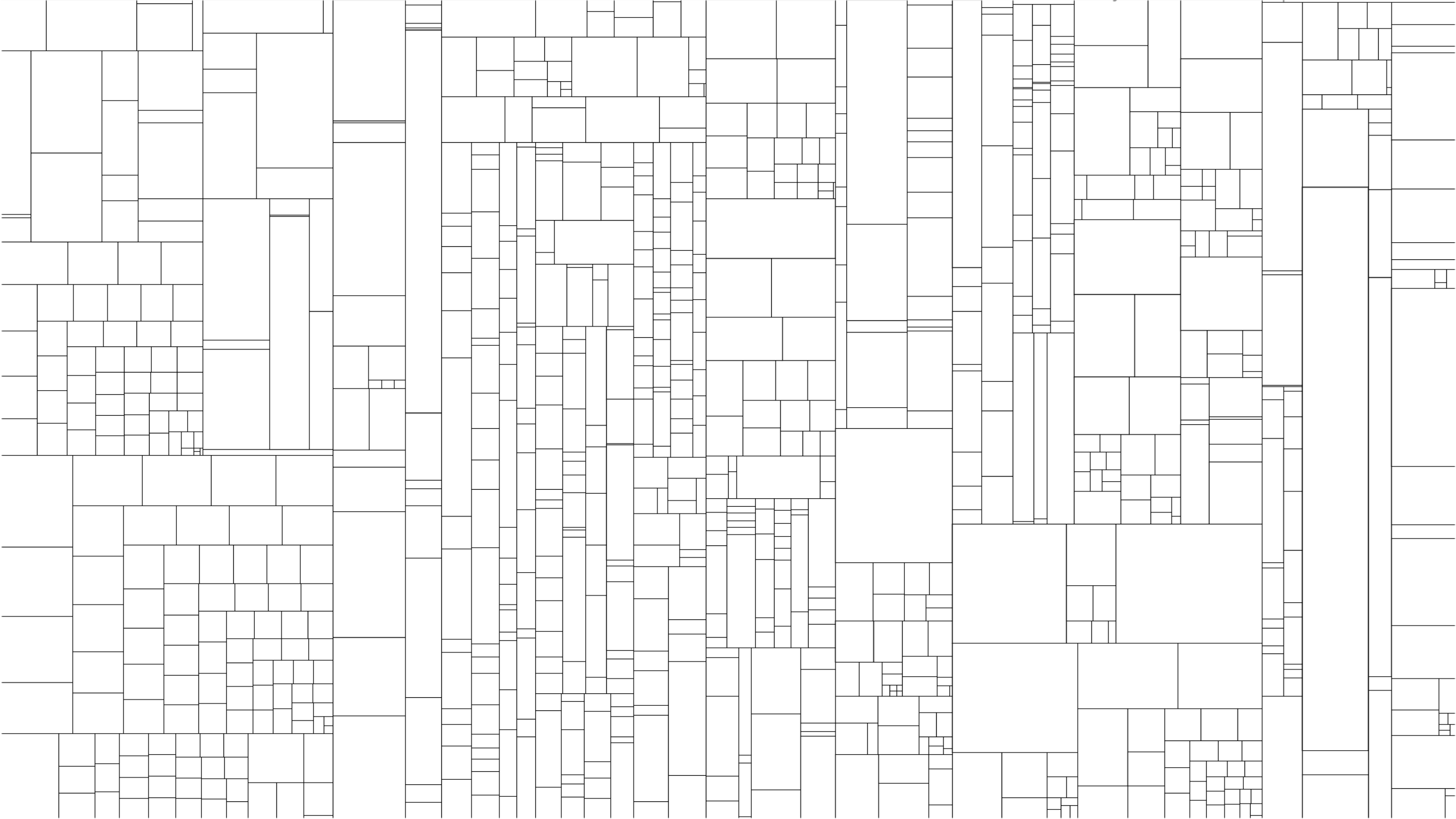
Layers

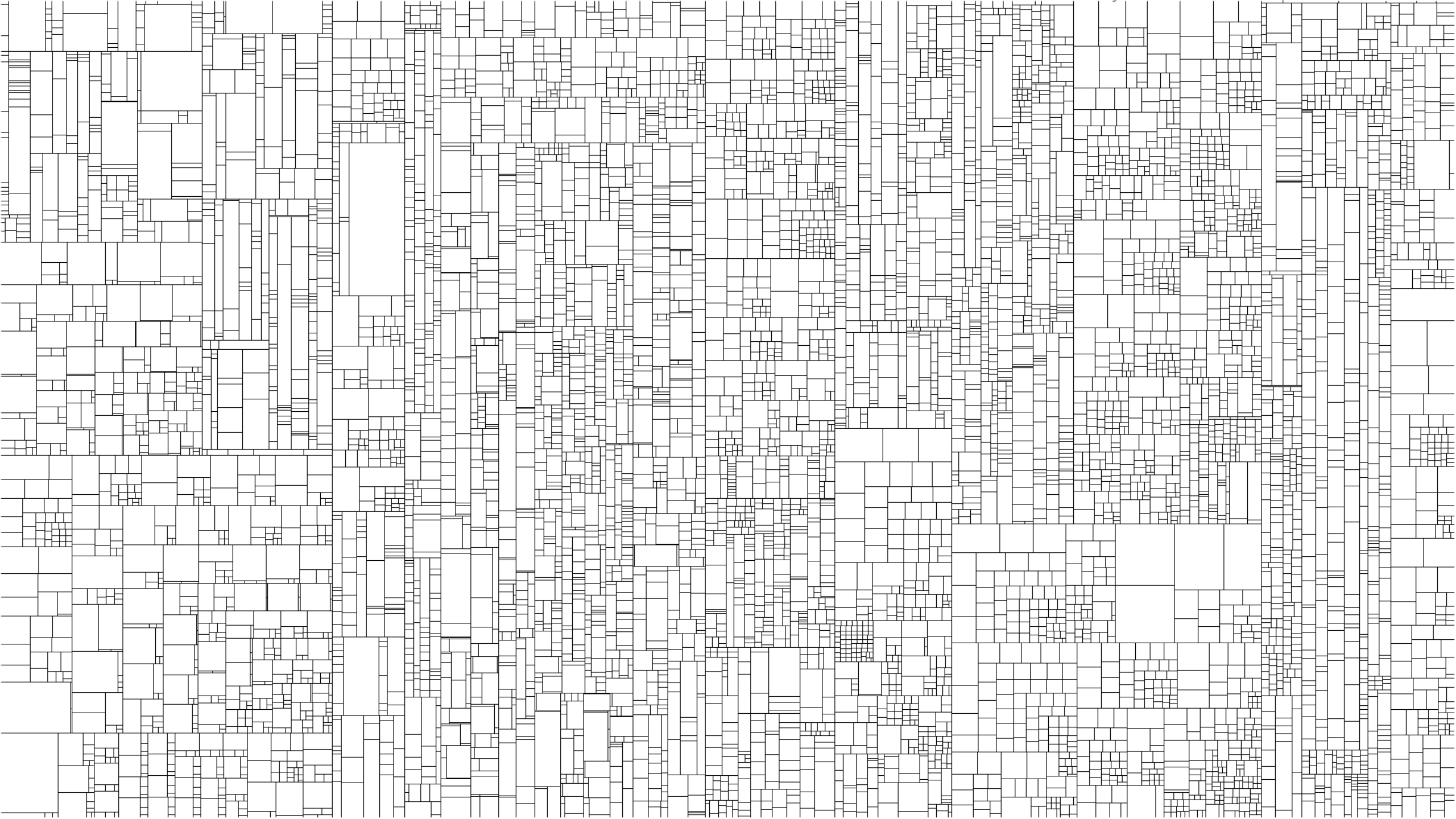
Opacity: 100 % Normal

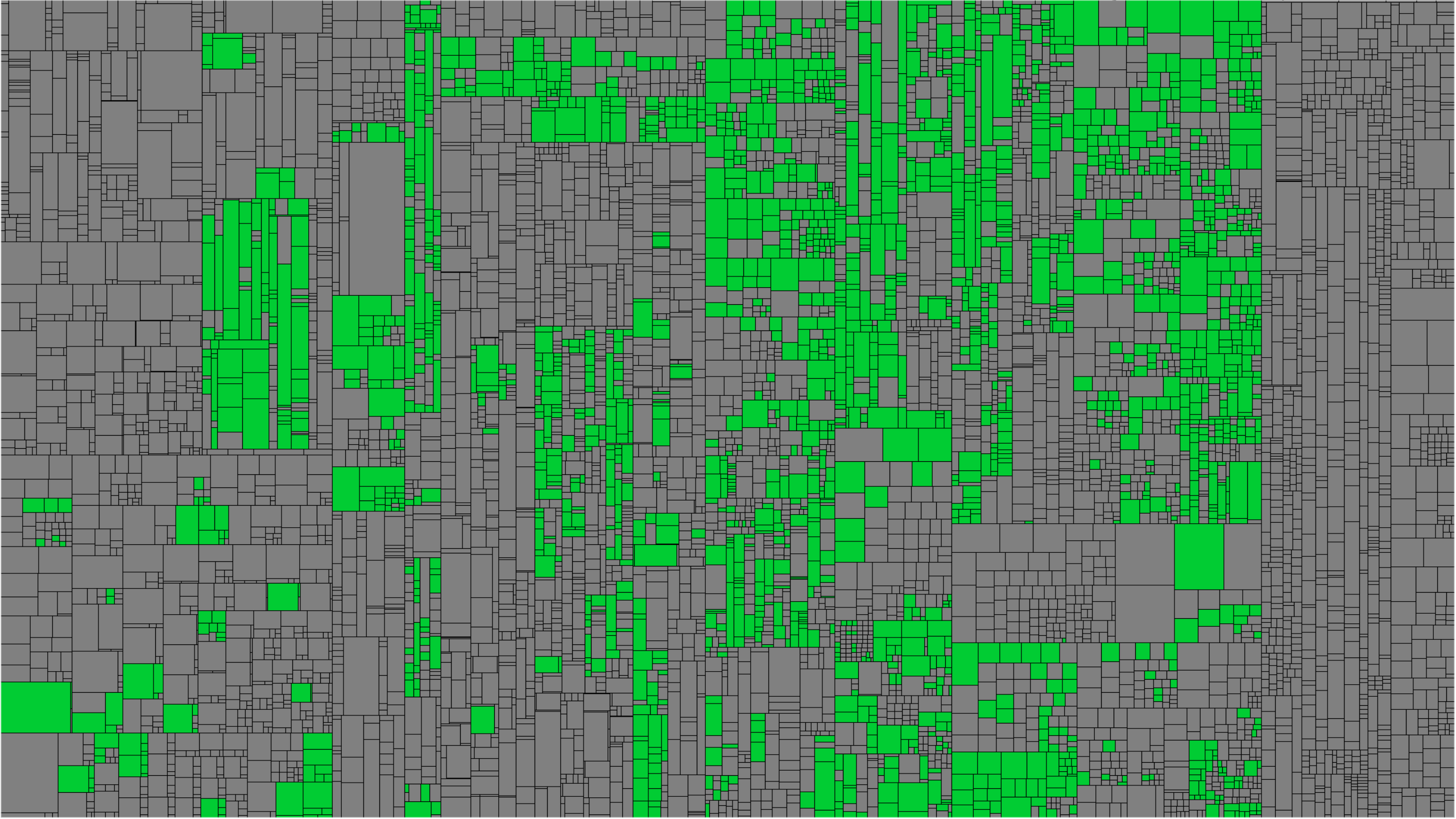
layer 1

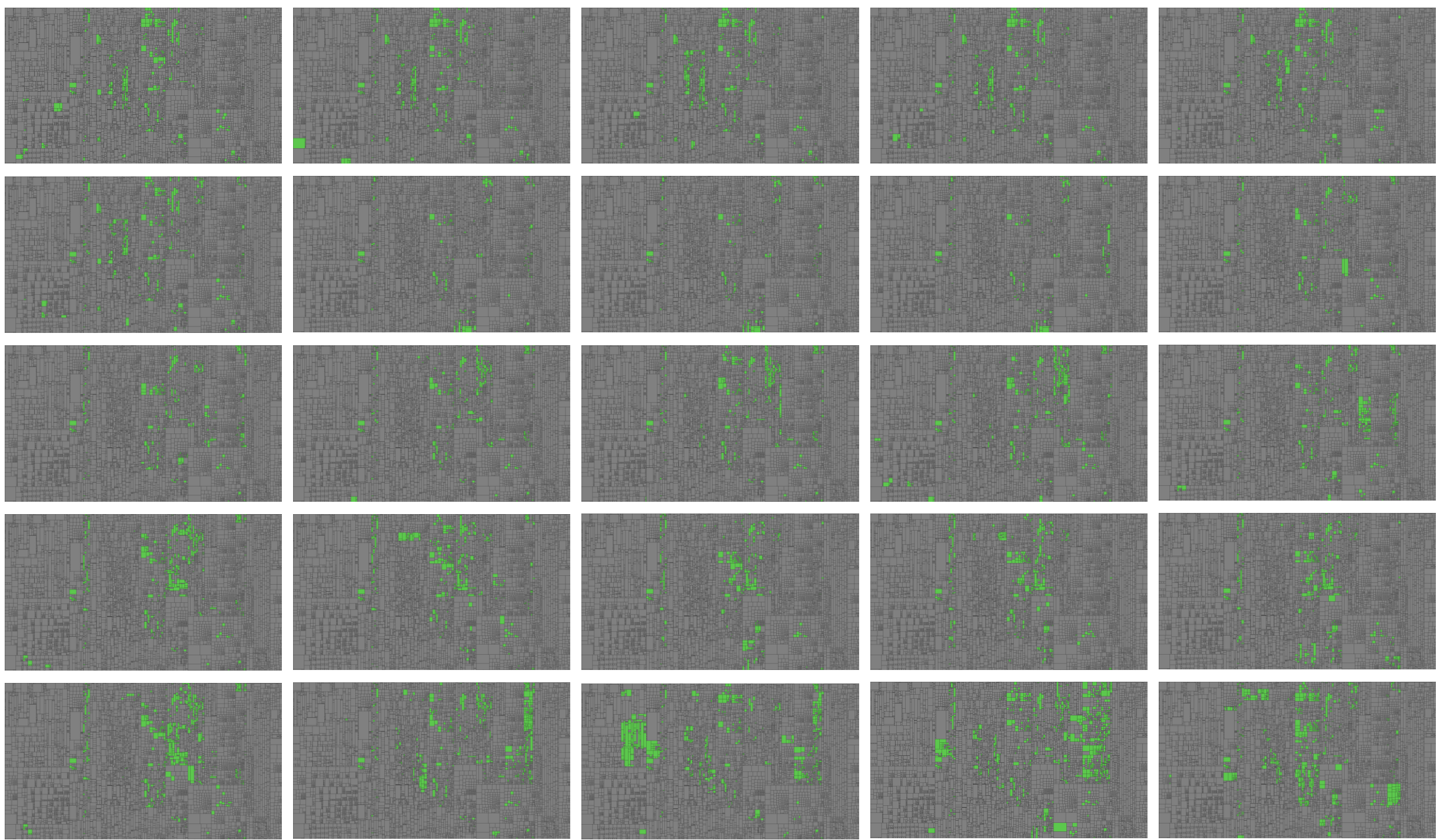


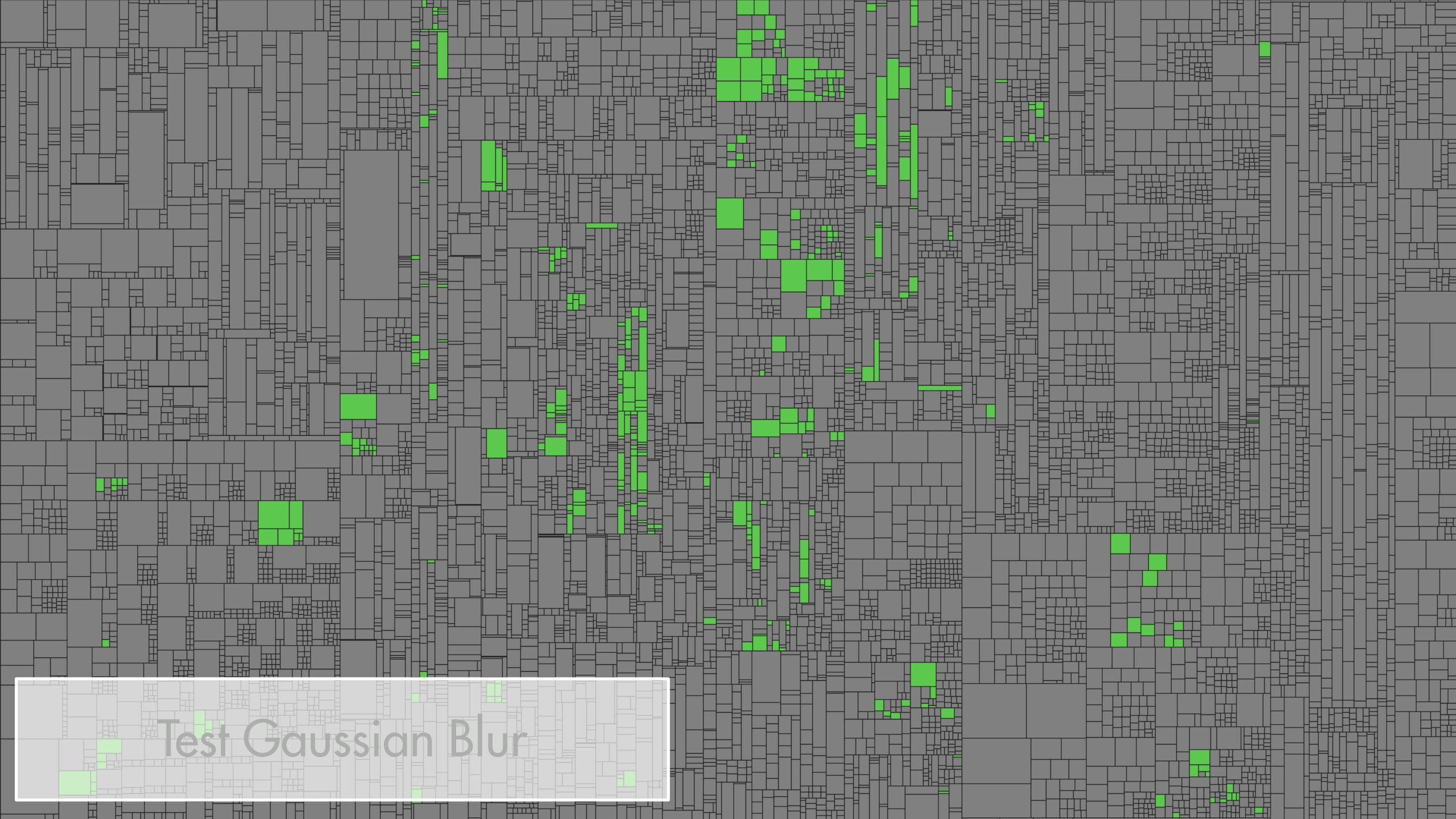








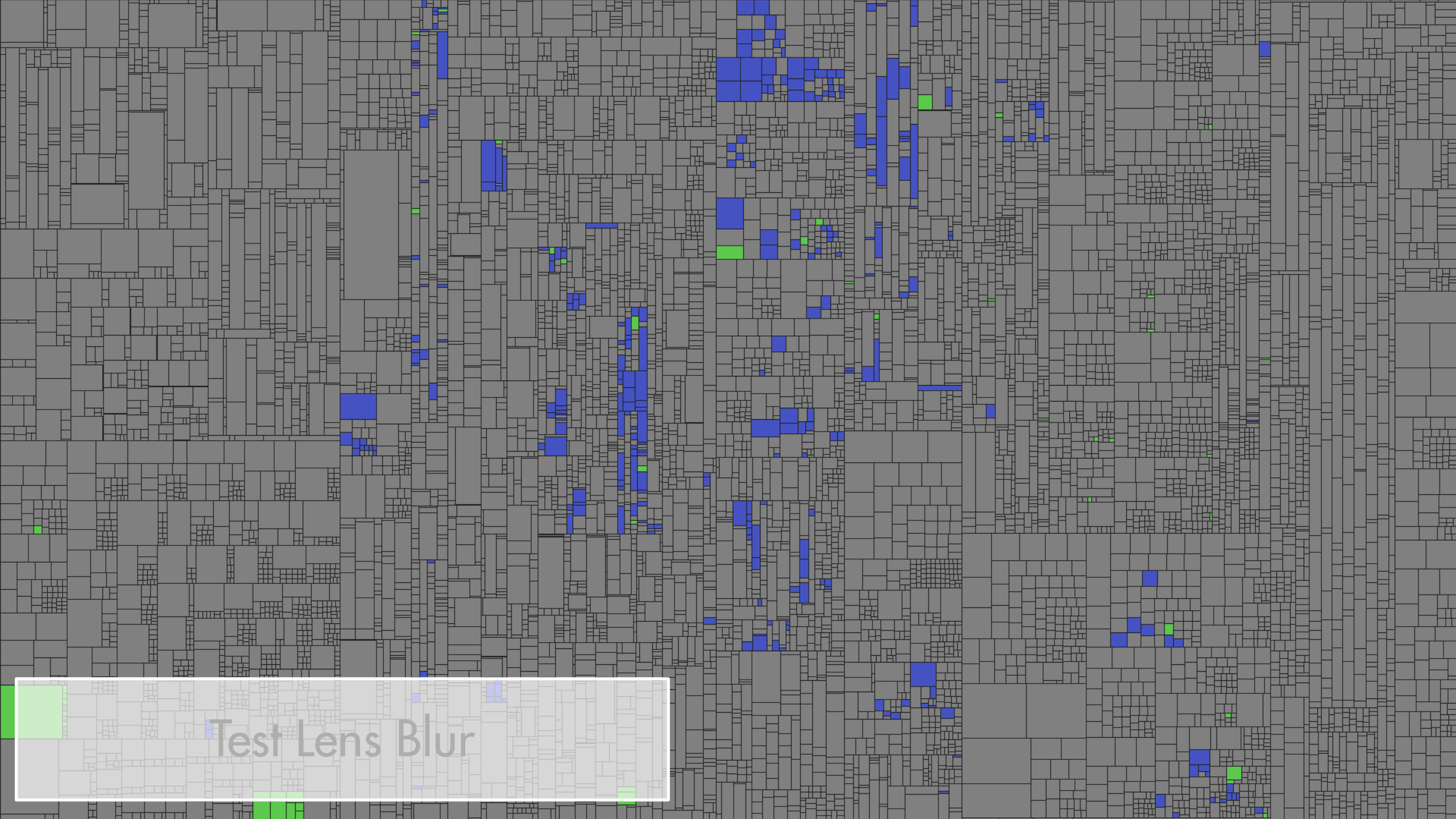




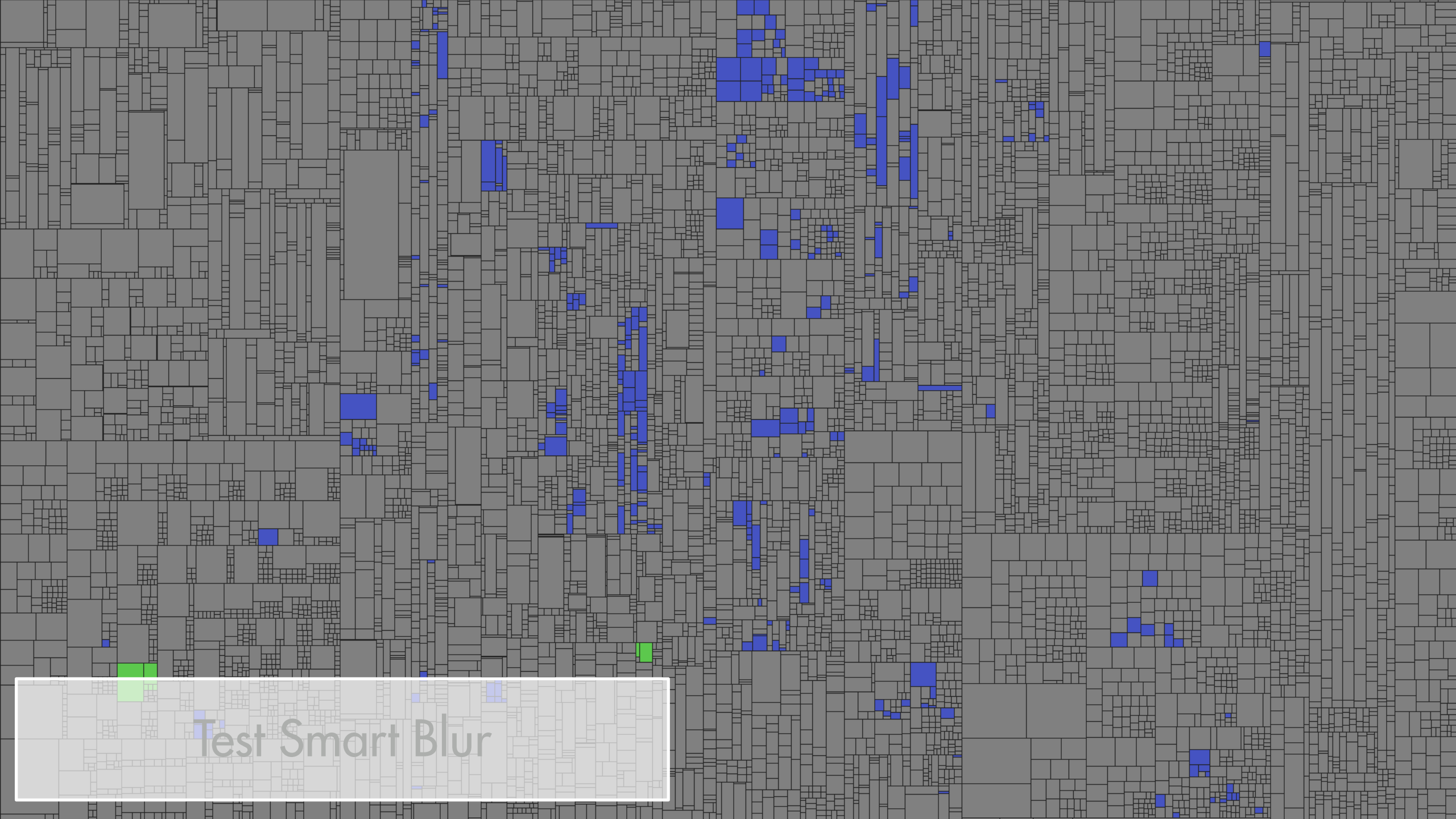
Test Gaussian Blur



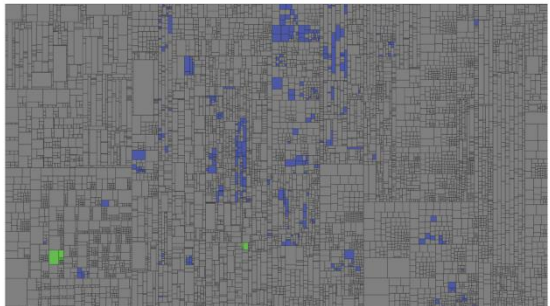
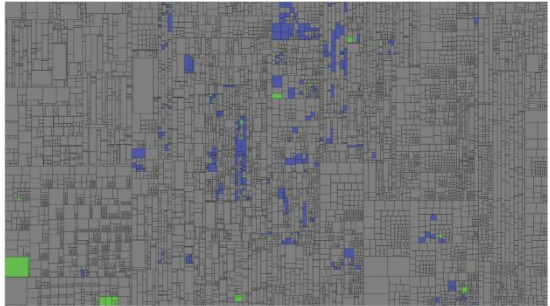
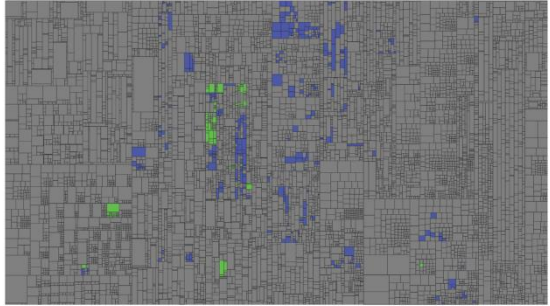
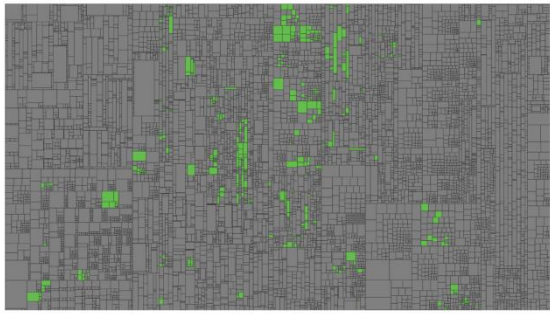
Test Motion Blur



Test Lens Blur



Test Smart Blur

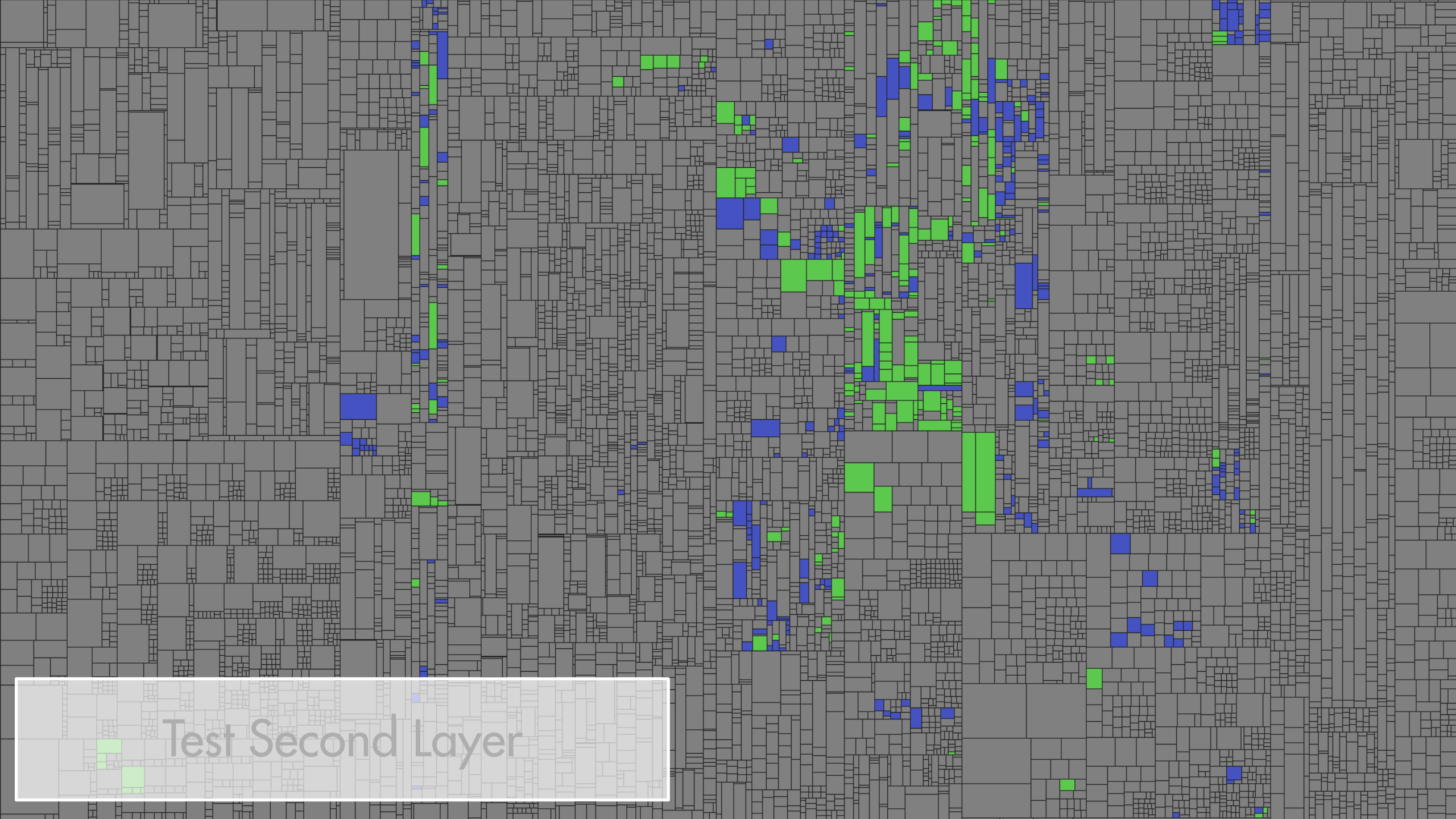




Test Create and Modify
Selection



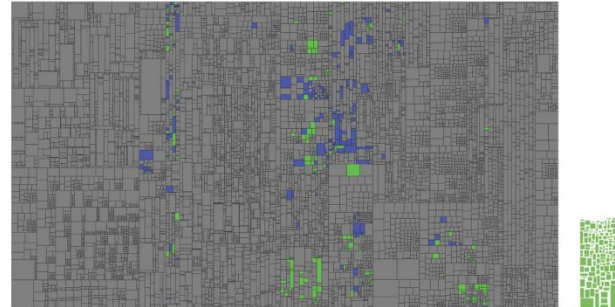
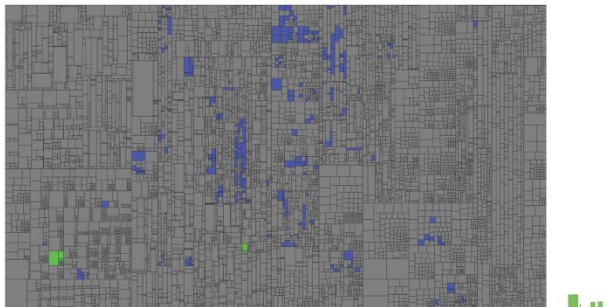
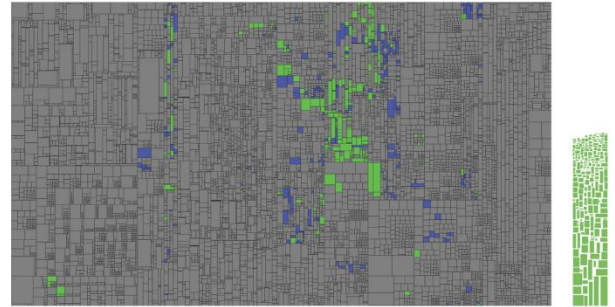
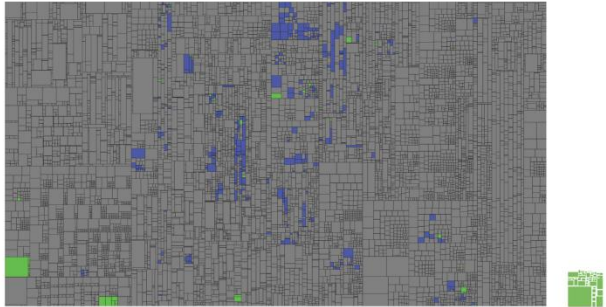
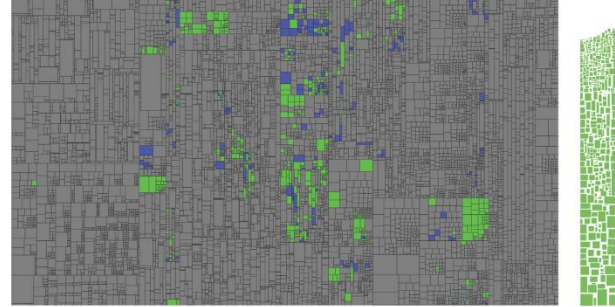
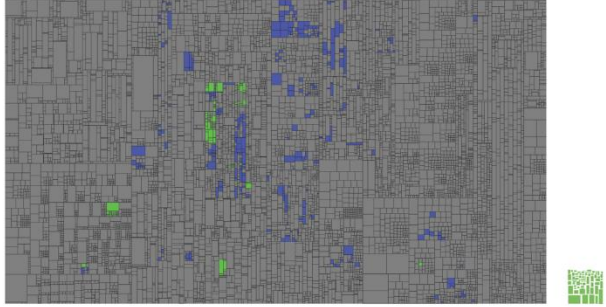
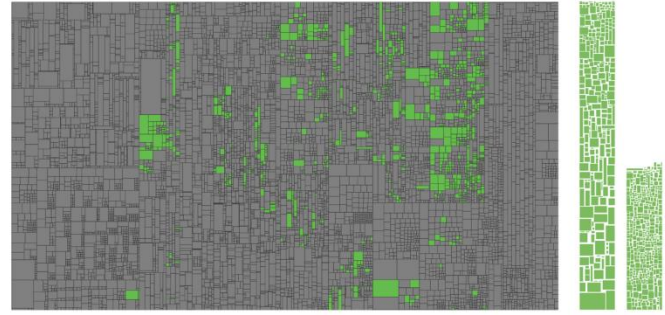
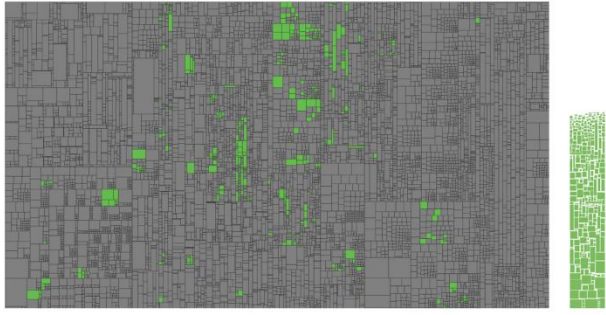
Test Change View Settings



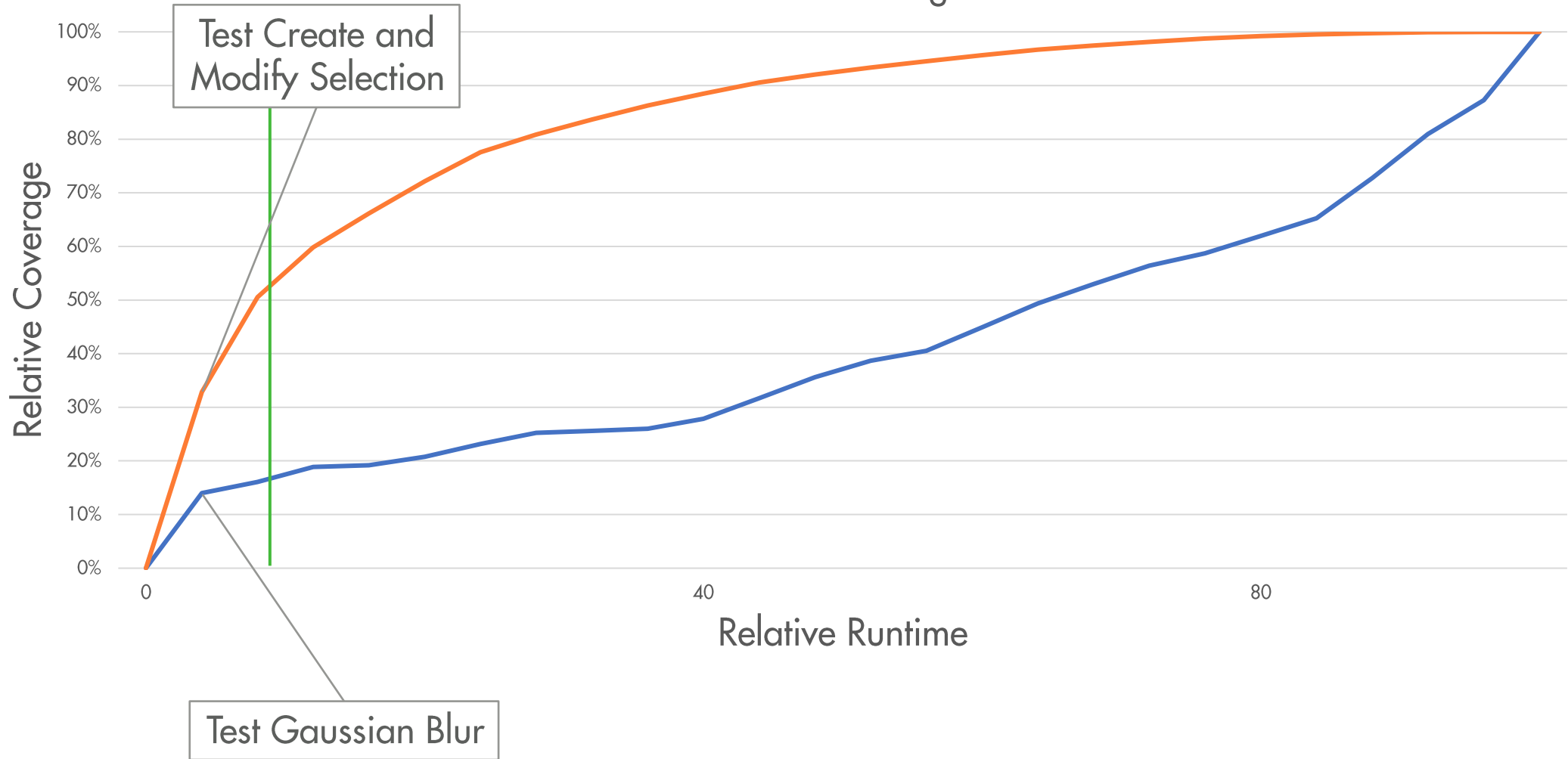
Test Second Layer

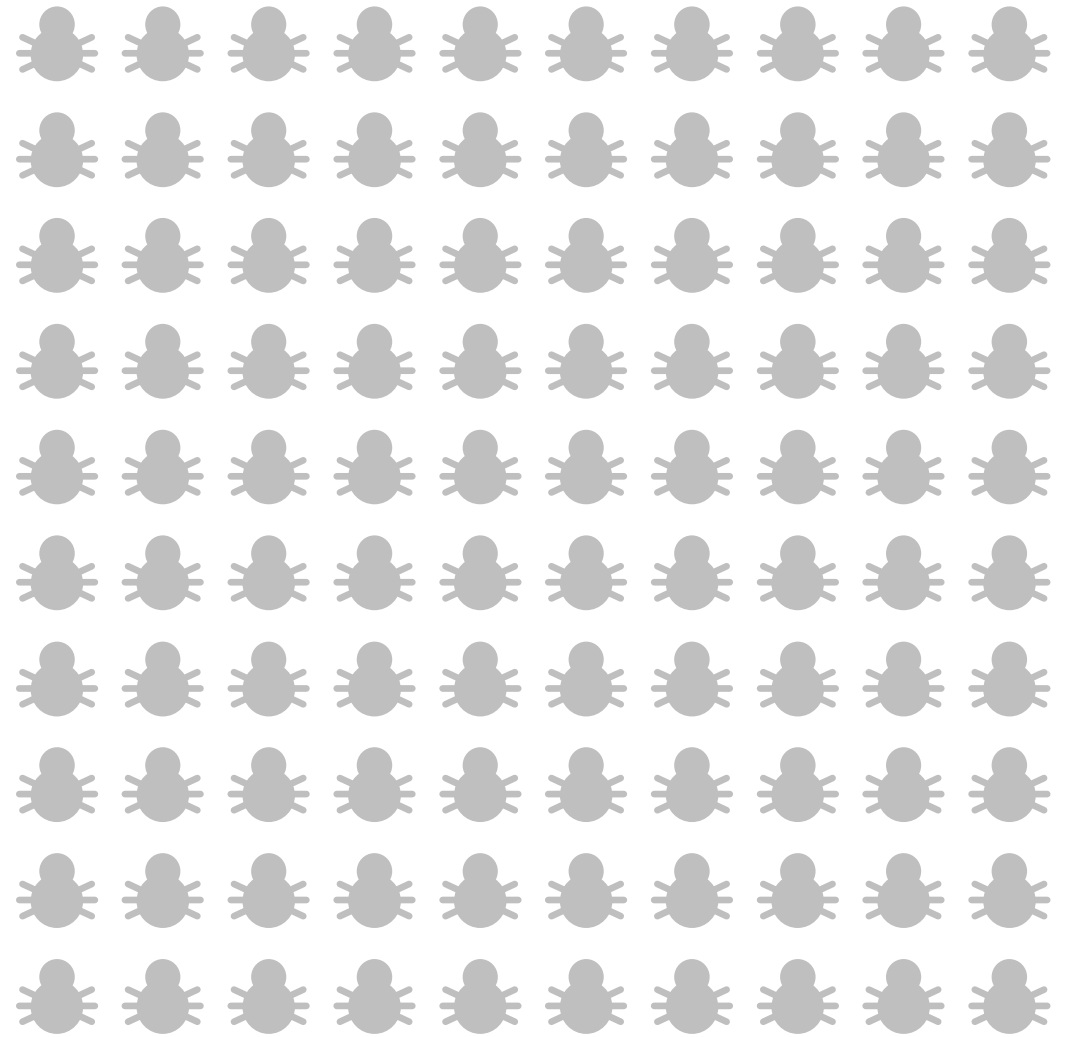
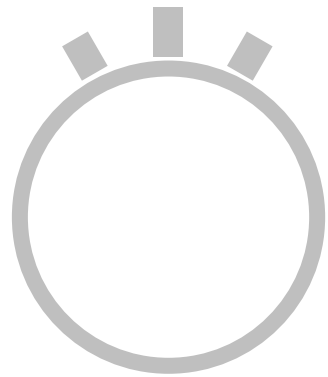
The image consists of a dense, overlapping grid of gray rectangles of various sizes and orientations. Scattered throughout this grid are several smaller rectangles in blue and green. These colored rectangles are concentrated in certain areas, such as the upper right and lower right quadrants, and are interspersed with the gray background. The overall effect is a complex, textured pattern.

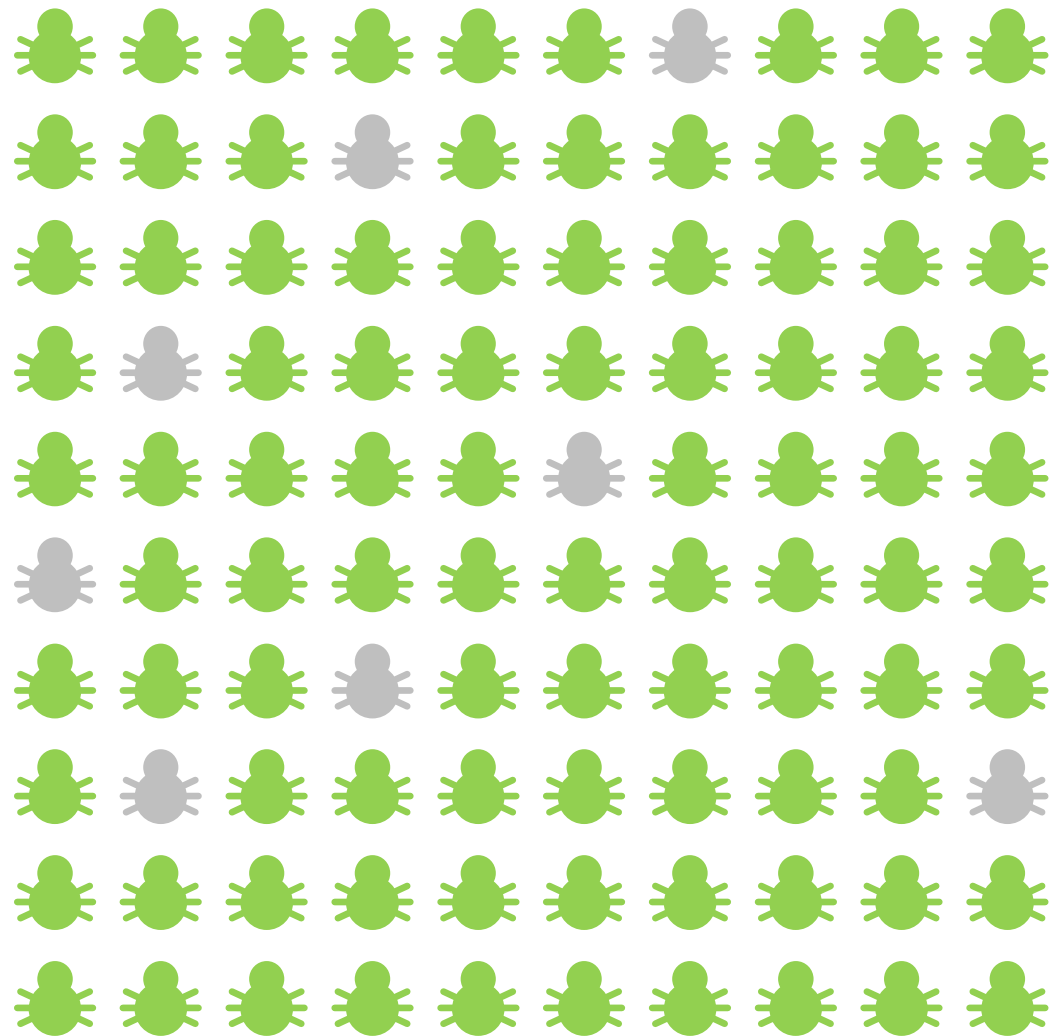
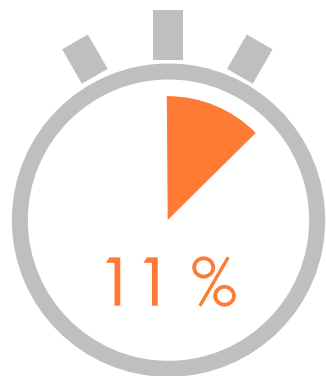
Test Save Image



Time vs Code Coverage







Test-Impact-Analyse

Tests werden für jeden Lauf **passend zu Änderungen** ausgewählt

90% der Fehler in 2% der Zeit

Erfordert kontinuierliche Messung der Coverage und Integration der Test-Auswahl in die CI / Testautomatisierung.

Stärkere Beschleunigung des Feedbacks (bei höherem Aufwand)

Pareto-Optimierung

Tests werden **unabhängig von Änderungen** ausgewählt

90% der Fehler in 11% der Zeit

Einmalige Messung der Coverage reicht aus.

Viel geringerer Aufwand

Kontakt – Ich freue mich auf Fragen 😊



Dr. Elmar Jürgens · juergens@cqse.eu · +49 179 675 3863

CQSE GmbH
Centa-Hafenbrädl-Str 59
81249 München
www.cqse.eu

