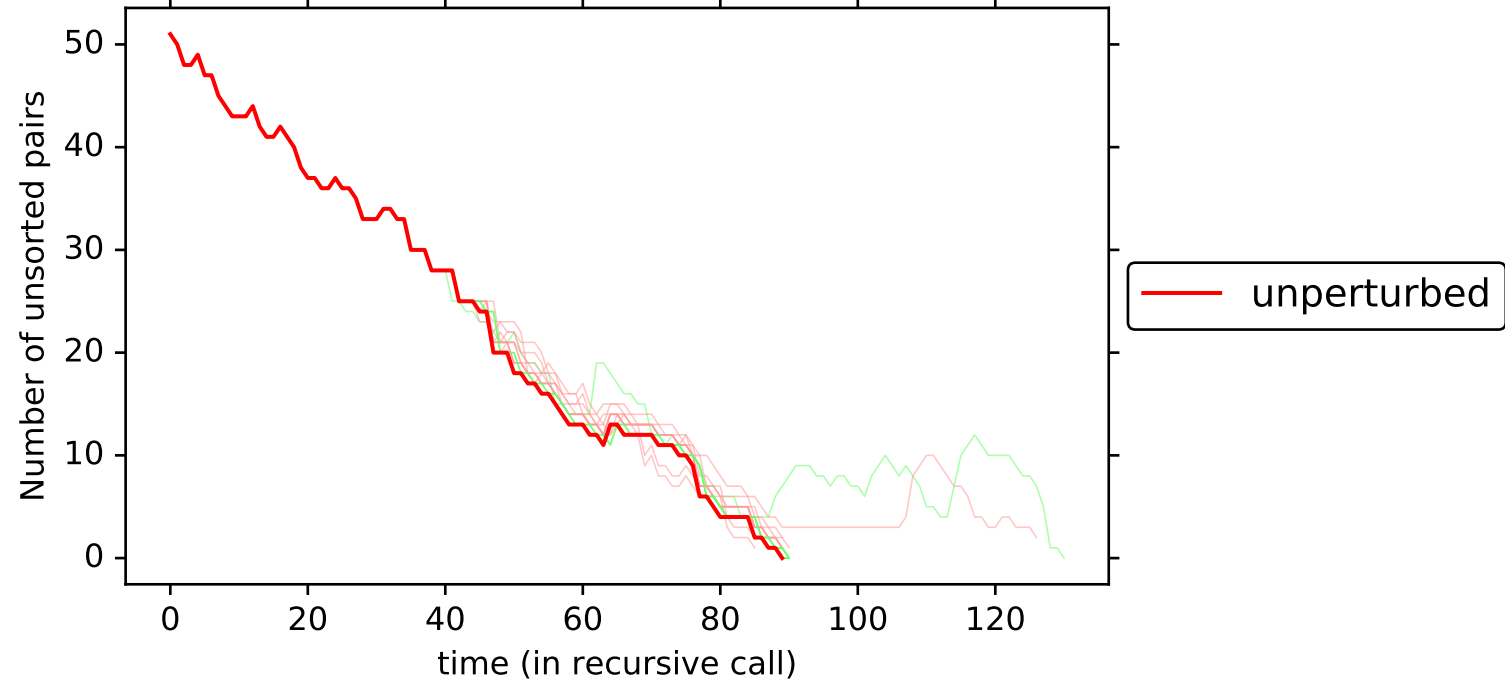Executions of Quicksort

Perturbation envelope of quicksort on an array of 100 integers
In red, the unperturbed execution,
in green, perturbed execution that end with a success, and
in light red, perturbed execution that end with a success with
 failure or exception for the ADD50exp.