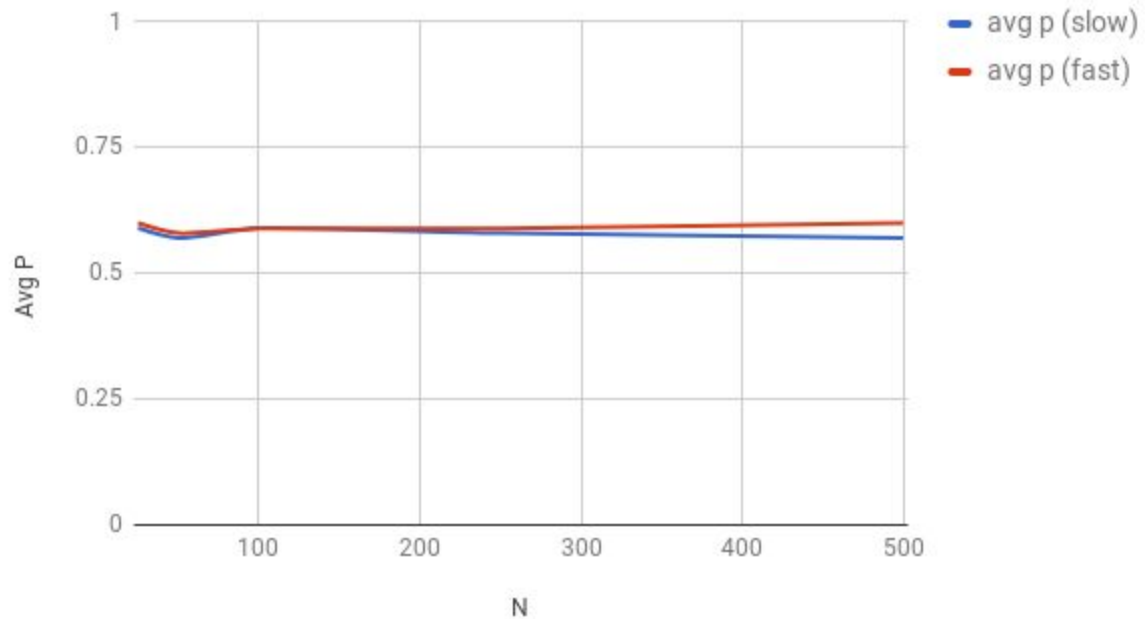


## Analysis of Percolation Simulations

$P^*$  never really changes, it stays at  $\sim .59$  for the large majority of time despite which algorithm is used to simulate percolation.

The Average time for each algorithm also follows what is expected. Both times gradually increase, with the faster algorithm increasing in average time slower than the slower algorithm.

Grid of Size N vs Average Threshold



avg time (slow) and avg time (fast)

