

## Randomized Vehicle Number Testing

This is a more advanced version of randomized vehicle number testing.

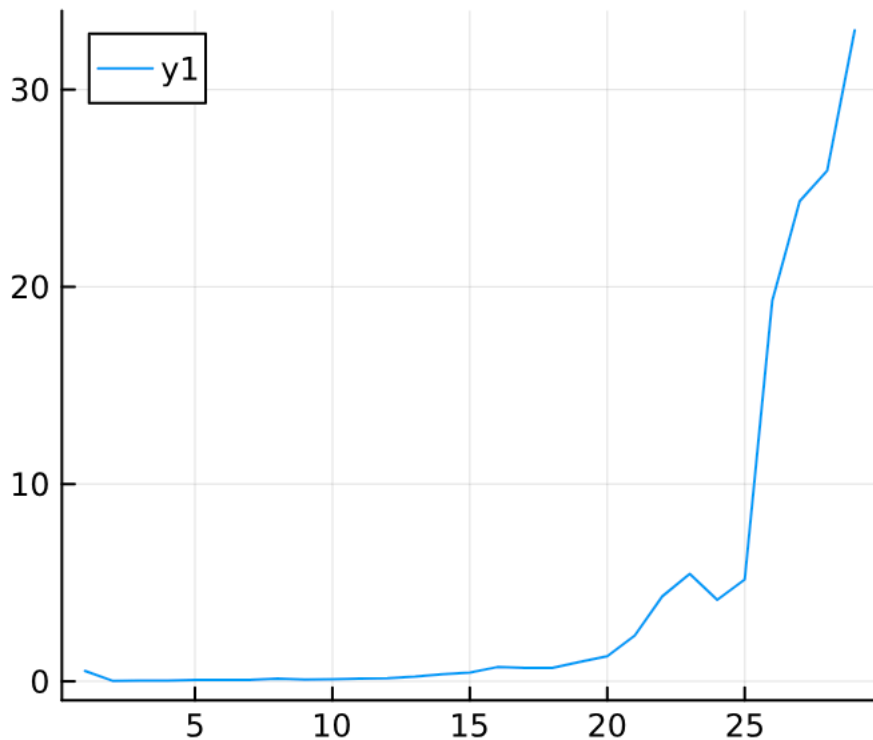
From our previous results we wish only to measure how long the time loop takes, because the other two components that make up a full test (parameters and post-processing) are of constant time.

1234 is one random seed, but does the same time pattern hold for other numbers of jobs? We measure from 10 jobs to 38 jobs and see what other job numbers give.

The strategy:

1. Parameters initialized
- 2. Start time for column generation loop (time\_start)**
  1. Go through the colgen loop
- 3. End time for colgen loop (time\_end)**
4. Post-processing

We will try 10 different seeds: 1235 to 1244.



Graph looks a lot like the one from "Vehicle Number Testing". Now, onto bottlenecks for the loop.