Daily Assignment

due: Wednesday, February 14, 8 am

read: copies of Gaylord & Wellin

Hand your answers to the following questions back to me via email (kvollmay@bucknell.edu).

On Wednesday we will program the one-lane program as described by Gaylord & Wellin.

1. What are the rules for this traffic model?

2. Write a program that sets up the initial road configuration: Use an one-dimensional array of size “ROADSIZE”. Define the roadsize in your header so that we will be able to change it easily. Start with $\text{ROADSIZE}=50$. Put the cars with probability $p = 0.3$ on the road and assign them random velocities $0 < v < v_{\text{max}}$ (start with $v_{\text{max}} = 10$). Assign empty road sites to be “-1”.

3. What was most difficult of this assignment and the last class and/or what was most interesting?