CPE with Agent Based Modeling

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Setting

The number of iterations is 100

Experiment transmission rate						
β	10^{-8}	10^{-7}	10^{-6}	10^{-5}	10^{-4}	10^{-3}
patients	1.83	2.04	2.05	2.33	2.77	6.95

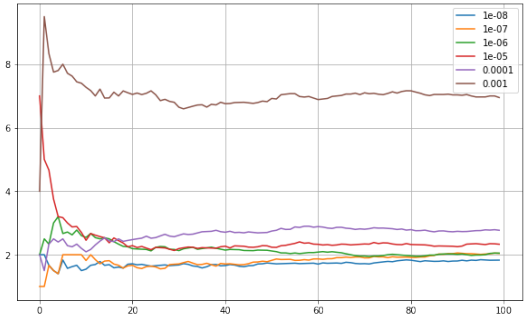

Figure 1: Cummulative Average number of sick patients

Result

It is concluded that 80 or more is appropriate for the average value to come out stably.
For more stability, the number of iteration is fixed at 100.

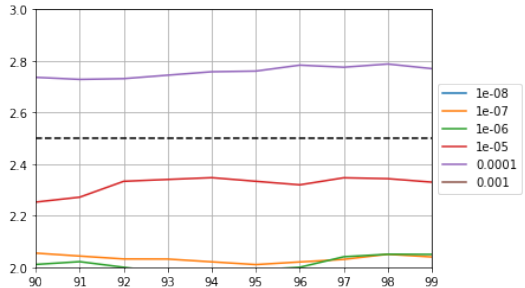

Figure 2: Cummulative Average number of sick patients

Choose the values from 10^{-5} to 10^{-4} as *transmission probability*

Questions

- Are there any another values that depend on *transmission probability* besides the number of patients?