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equation (in other
words, a solution for t !
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obtain the time
evolution $\langle N^{-1} \rangle_t$ of the

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average value of N_1 .

Compare this analytical form with the results of your simulations. ***

Note that $\langle N_1 \rangle_t = \sum_{N_1} N_1 P(N_1; t)$: Using the stochastic equation, it is easy to see that $\langle N_1 \rangle_{t+\Delta t} = \frac{1}{2N} \langle N_1 \rangle_t + 1$; which leads to the solution $\langle N_1 \rangle_t = C \frac{1}{2N} t + N/2$;

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