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equation (in other
words, a solution for t !
1). Use this equation to
obtain the time
evolution $\langle N \rangle(t)$ of the
av-erage value of N .

Compare this analytical
form with the results of

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your simulations. ***

Note that $\langle N_1(t) \rangle = X$
 $N_1(t) P(N_1(t))$: Using
the stochastic equation,

it is easy to see that $\langle N_1(t) \rangle$
 $\langle N_1(t+\Delta t) \rangle = \langle N_1(t) \rangle + \Delta t$
 $+1$; which leads to the
solution $\langle N_1(t) \rangle = C_1 + 2$
 $N_1(t) + N_2$;

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