Re: generalized birthday problem

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Date: 11/12/04

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On 12 Nov 2004 13:13:58 −0800, Phillip wrote:
> *Suppose the year has n days in it (on earth n=365).*

> *Any person's birthday is chosen uniformly at random from the n days.*

> *Suppose you put people in a big room. In that room, if two people have the*
> *same birthday, they can get married, and then leave the room together.*

> *What is the expected number of people you have to put into the room if you*
> *want to get some fixed number m of marriages (so m disjoint couples leave the*
> *room)?*

> *Is there a simple expression for this value? How does one get it?*

Since you are not assuming the people are earthlings, two questions arise:

1. Are same−sex marriages allowed?
2. If not, how many sexes are there?

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Dave Seaman
Judge Yohn's mistakes revealed in Mumia Abu−Jamal ruling.
<http://www.commoncouragepress.com/index.cfm?action=book&bookid=228>