Re: Advanced Monty Hall Problem with N door and M cars

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From: Jack (*mrjack_2005_at_yahoo.com*)
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I promise you that this is not a homework.
And I actually calculated the probabilites ... but I am sure of them:

P(staying)=M/N

P(swtiching) = (M/N)*(N−1)/(N−2)

Do you think that is true.

On Mon, 21 Feb 2005 18:24:15 +0200, Anon. wrote:
>Jack wrote:
>> Hello Everybody,
>> I really need you help in solving an advanced Monty hall problem.
>> Assuming that we have N door with M of these door have cars behind
>> them and N−M of these door has $1 bill behind them.
>> Assuming that the player made an initial selection (she picked a
door
>> D1), now.... Monty open a door that has a $1 bill behind .... now
he
>> asks her, if she want to stay with her initial choice or if she
wants
>> to switch?
>>
>> What is the probability of winning if she stay with her choice?
Isn't
>> it P(winning if she stay with her inital decision) = M/N?
>>
>Yes.
>>
>> What is the probability of winning a car if she switched to
different
>> door?
>>
>If you understand the original Monty Hall problem, then you should be

>able to work this out. If necessary, just write down the different

>possibilities.
>
>I'm not giving you the answer − this might be homework.
>
>Bob
>
>−−
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