

**[nex11] Win the new car or take a goat!**

A contestant in the game show hosted by Monty Hall faces three closed doors. Behind two of the doors are goats and behind the third is a new car. The contestant chooses a door without opening it. Monty Hall, who knows which door hides the car, then opens one of the other doors to reveal a goat. Now the contestant is given a second opportunity to guess the door which hides the car. Is it to the contestant's advantage to switch doors, to stick to the original choice, or does it make no difference?

The question was correctly answered by the newspaper columnist Marylin vos Savant in her weekly column. Her solution stimulated thousands of letters, many from professors of mathematics and statistics, that claimed that her answer was incorrect.

**Solution:**