Goats, cars and Monty Hall

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Suppose you are on a game show and you are given the choice of three doors: Behind one door is a car, behind the others, goats. You pick a door, say No. 1, and the host **who knows** what's behind the doors, opens another door, say No. 3, which has a goat. He then says to you, "Do you want to pick door No. 2?" Is it to your advantage to take the switch?

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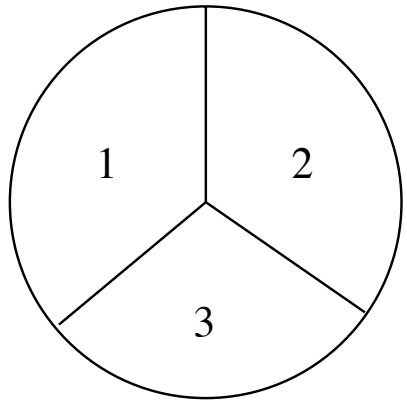
A) Yes. Switch and the probability the probability that you will win is higher.
B) No. Keep your door and you will be more likely to win.
C) Doesn't matter. Since there are two doors, only one can be the winner, it doesn't matter which one.
D) Don't know/don't care.

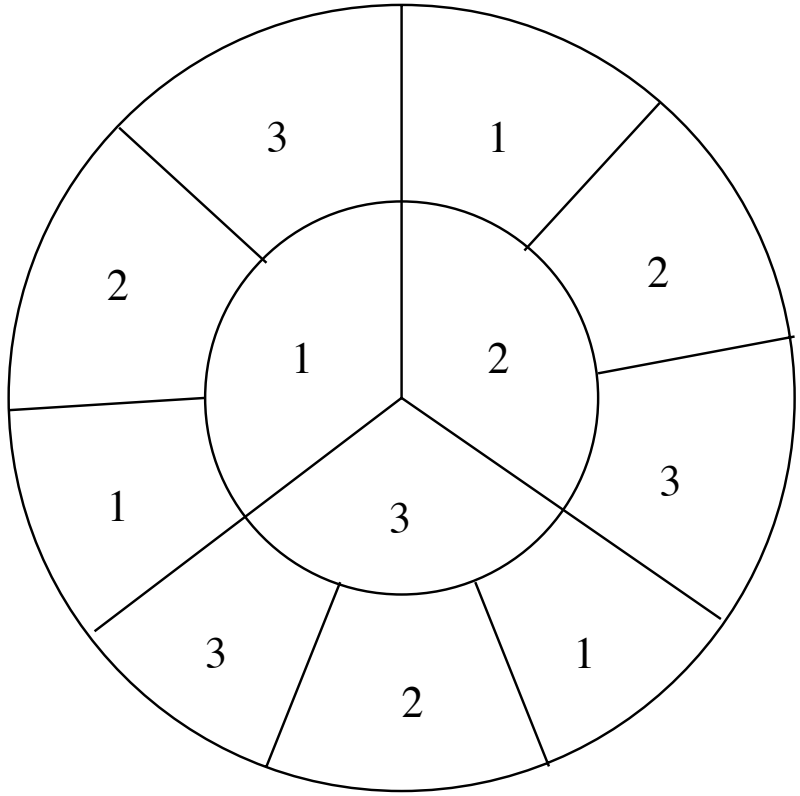




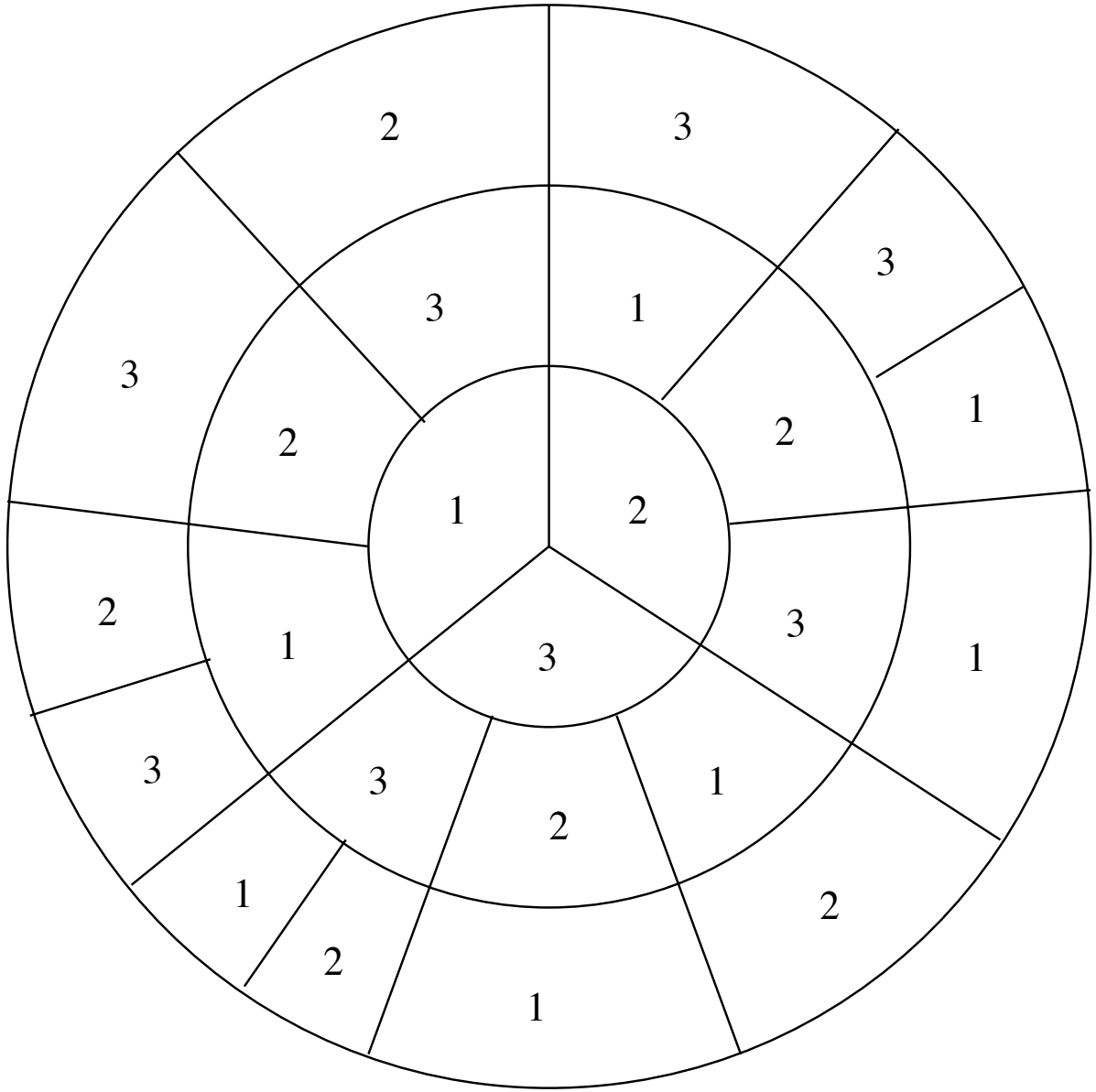
The car is placed behind one of three doors



The car is placed behind one of three doors and the player picks one of three doors



Monty Hall opens one of three doors



Why should you switch and not keep your door