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Homework 4 Conclusions

Random Runs

#	Switch Wins	Stay Wins
1	66.38%	33.62%
2	66.94%	33.06%
3	66.60%	33.40%
4	66.69%	33.31%
5	66.52%	33.48%

- By seeing the results, one can conclude that if a player stays with his first choice, then player has a higher chance of winning a car.
- If a player switches the choice when asked by Monty Hall, then player has a lesser chance of winning a car.
- As seen from the several results above and running the game 10000 times in the program, the percentage of wins varies by a small margin.
- Overall, one can observe that the player has a higher chance of winning a car rather than if player switches his choice when asked by Monty Hall.









