Abir Razzak

Assignment 4 Problem 4

Trial	Output from program	Conclusion
#	WELCOME TO LETIC MAKE A DEAL	C trabita at
1	WELCOME TO LET'S MAKE A DEAL!	Switching doors is
	STARRING MONTY HALL!	statistically better.
	Sticking to your original choice was correct: 3335/10000 (33.35%) times.	67% vs 33%
	Changing your mind on the choice was correct: 6665/10000 (66.65%) times.	
	Therefore, it is to the player's advantage to switch doors!	
	Press any key to continue	
2	WELCOME TO LET'S MAKE A DEAL!	Switching doors is
	STARRING MONTY HALL!	statistically better.
	Sticking to your original choice was correct: 3359/10000 (33.59%) times.	66% vs 34%
	Changing your mind on the choice was correct: 6641/10000 (66.41%) times.	
	Therefore, it is to the player's advantage to switch doors!	
	Press any key to continue	
3	WELCOME TO LET'S MAKE A DEAL!	Switching doors is
	STARRING MONTY HALL!	statistically better.
	Sticking to your original choice was correct: 3324/10000 (33.24%) times.	67% vs 33%
	Changing your mind on the choice was correct: 6676/10000 (66.76%) times.	
	Therefore, it is to the player's advantage to switch doors!	
	Press any key to continue	
4	WELCOME TO LET'S MAKE A DEAL!	Switching doors is
	STARRING MONTY HALL!	statistically better.
		,
	Sticking to your original choice was correct: 3283/10000 (32.83%) times.	67% vs 33%
	Changing your mind on the choice was correct: 6717/10000 (67.17%) times.	
	Therefore, it is to the player's advantage to switch doors!	
	Press any key to continue	
5	WELCOME TO LET'S MAKE A DEAL!	Switching doors is
	STARRING MONTY HALL!	statistically better.
	Sticking to your original choice was correct: 3409/10000 (34.09%) times.	66% vs 34%
	Changing your mind on the choice was correct: 6591/10000 (65.91%) times.	
	Therefore, it is to the player's advantage to switch doors!	
	Press any key to continue	

Original choice has a 1/3 chance of being right, and switching doors has a 2/3 chance of being right. Based on 50,000 simulations of "Let's Make a Deal".