The proof of the impossibility of changing probabilities in 3 doors 1 prize

3 doors and a stubborn choice gives you 1/3 winning chances, however, you will point at a losing door 2/3 of the time since only 2 appear to exist. When the only other losing door is revealed, you change your mind and win the game as you abandon that first losing-choice. Assuming you always change your mind, you jumped in with 2/3 winning chance and the probabilities never changed.

The following table shows losses when a guess matches the prize door. That's 1/3 of the time for every column and in total. The only other choice is to win the game for the remaining 2/3 of the time.

Losing-door to be revealed for every guess in every game

guess	prize door 1	prize door 2	prize door 3
3	2	1	1 or 2
2	3	1 or 3	1
1	2 or 3	3	2