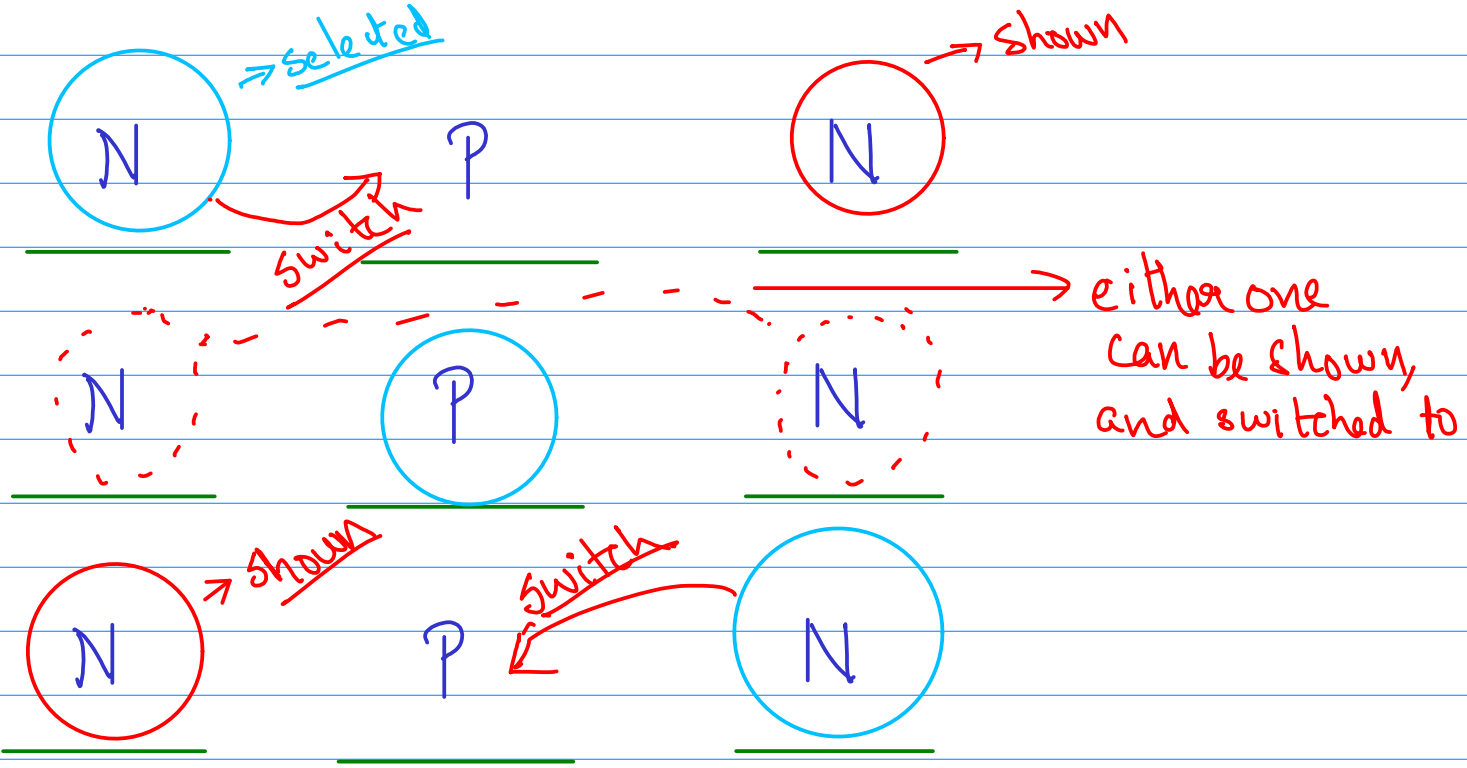
Monte Hall Problem

There are 3 doors, with 1 door with prize amount and 2 doors with no-prize. Now you select one of the door, and they show another door (non-selected) and show that there is no prize, now does it make sense to switch the door? — it does

Consider the scenario, P being prize position and N being non-prize position

Chances of getting favourable outcome is 1/3



Here, we see, the probability of getting P goes 2 fold when you switch.

So from 1/3, probability improves to 2/3