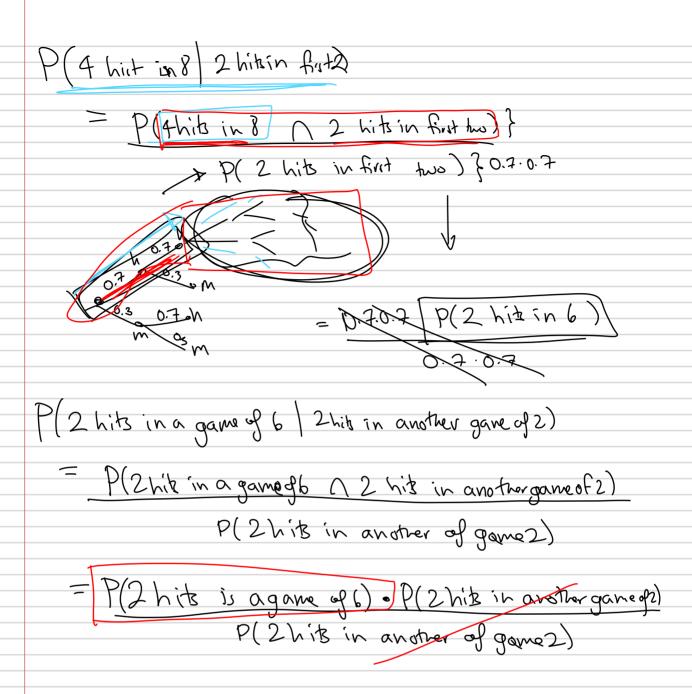
Exercise 33 A human is playing darts and has super good aim. They're able to hit the red bullseye with probability 0.7. Assume each throw is independent and that he makes 8 throws in total.

- (1) Given that they hit the bullseye at least twice, what is the chance that they hit the bullseye exactly four times?
- (a) Given that the first two throws hit the bullseye, what is the chance that they hit the bullseye exactly four times in the 8 throws?

= 0-059585



Exercise 34 A battle for the royal dice thrower is about to begin. Two humans are sat in front of one another with a fair eight sided die in front of them. Each round, the two humans roll the die. If one person scores higher than another, they win the round; if the score is even, it's a tie. There are five rounds in this tournament. What are the chances that the first player wins at least four out of five rounds?

