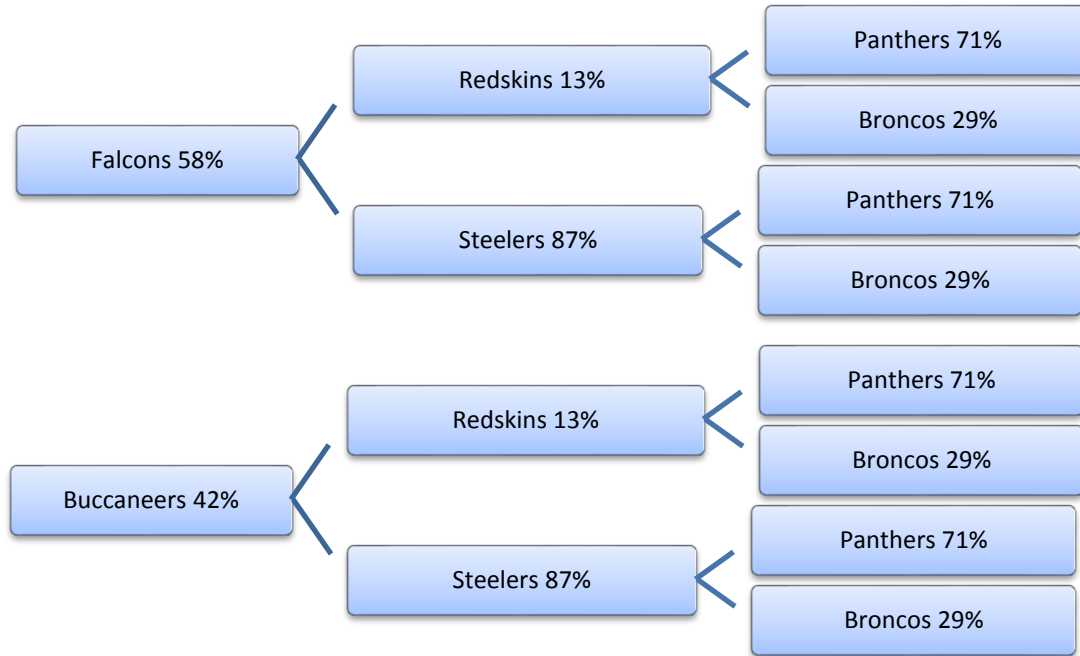




Jake plays Pigskin Pick'Em on ESPN. He has three games that he has to pick each week and he has to determine who he thinks is going to win. Because certain teams are better than others each team has a different probability of who is going to win. Below is a tree diagram with the three games (Falcons v. Buccaneers: Redskins v. Steelers: and Panthers vs. Broncos) each with the probability of each team winning.



8) Sometimes Jake likes to pick all the underdogs for the week (the underdog is the team that is not favored to win). If he picks all the underdogs this week what is the probability that they will all win?

9) What is the probability that the Redskins will win?

10) Jake's friend Eli wants the Buccaneers, the Steelers, and the Broncos to win. What is the probability that this does NOT happen?

11) What is the probability that the Falcons and the Redskins will win?

12) What is the probability that the Panthers won't win?