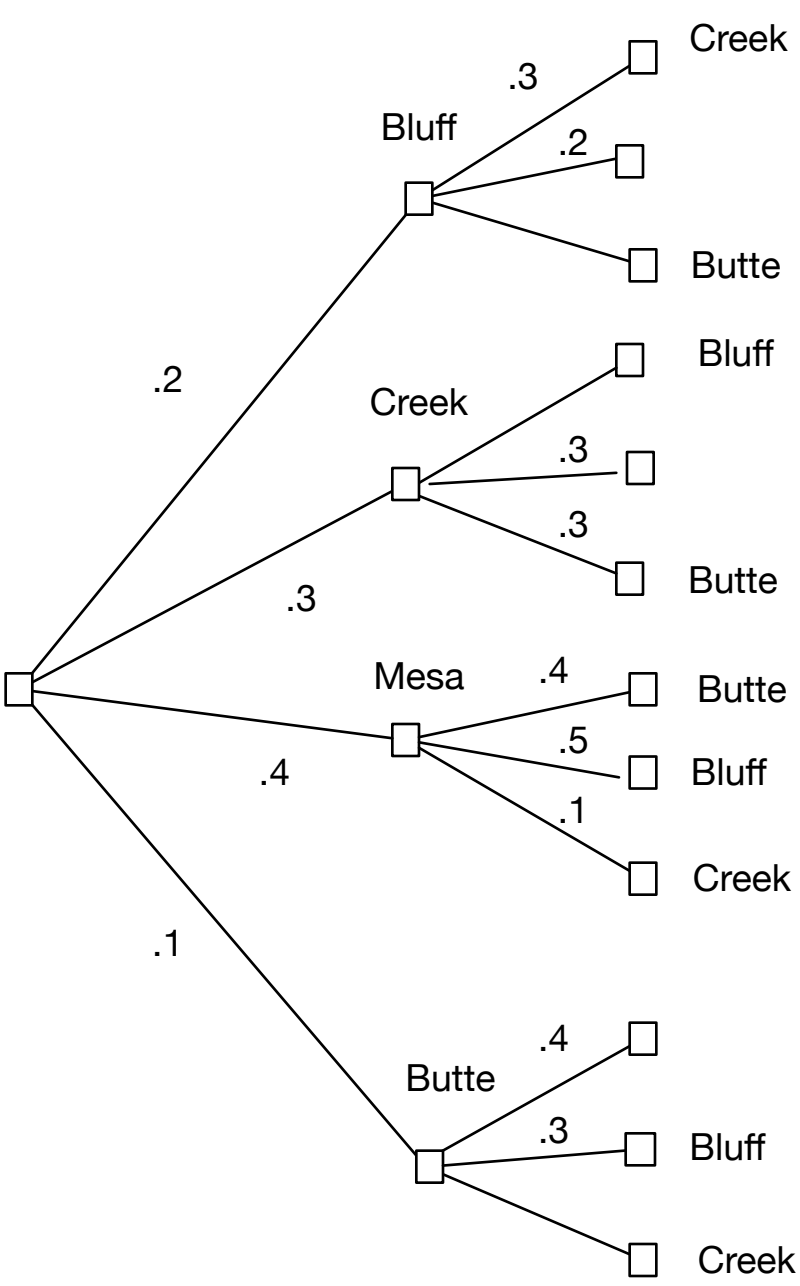

Practice question: 2301 fir

Four teams are in a softball
the end of the year, two tear
will come in first and the los
make a tree diagram to estir

1. How many different ways

2. How many different ways

3. What is p(Creek comes in

3. What is p(Bluff comes in 2

4. What is p(Creek comes in

5. Let Omega bet the sampl
Each element in Omega is a
team 2 loses the final. What

6. Your friend bets you that
second place. If your friend
5 dollars. What is the expec
expected value, and compu
comes in second, as well as

ıal exam

league. The teams are Bluff, Creek, Butte and Mesa. At
ns will face off in the final game. The winner of the final
er will come in second. Based on last year's scores, you
nate the probability of the first and second place teams.

are there to pick a first place and second place team?

are there to pick two teams for the final?

ı 2nd | Bluff comes in first)?

2nd | Creek wins the final) ?

ı 2nd)? *Hint: law of total probability*

e space of all possible winners and losers in the final.
ı tuple (Team1, Team2) where team 1 wins the final and
is the cardinality of Omega?

Mesa will comes in first place and Butte will come in
is right, you pay them 100 dollars. Otherwise they pay you
ted value of the bet? *Hint: consult the definition of*
te the probability that Mesa comes in first and Butte
the probability that this does NOT happen.