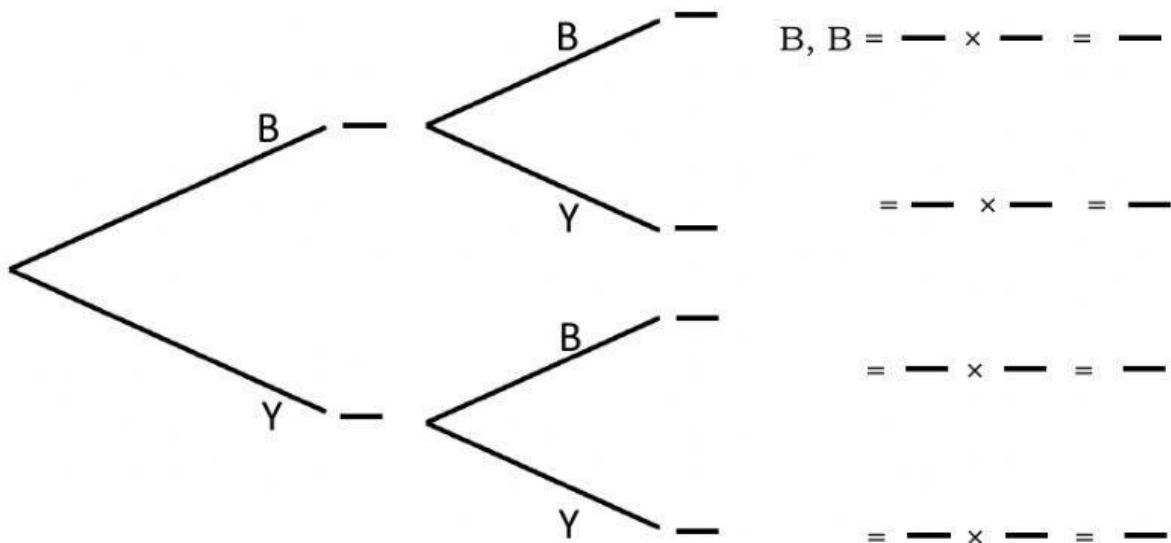


Probability Tree Diagrams

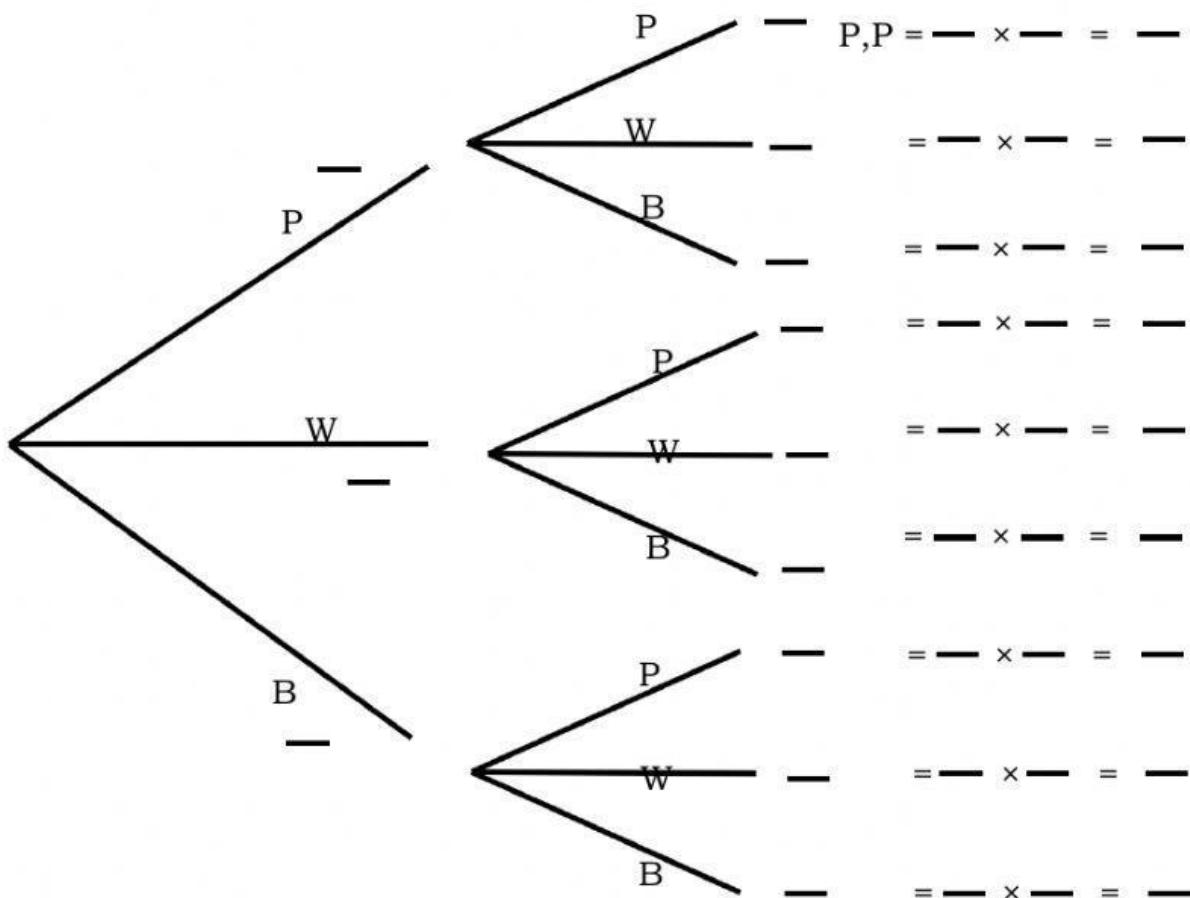
1. A bag contains 5 blue marbles and 7 yellow marbles. A marble is drawn from the bag and is NOT replaced. Then another marble is drawn from the bag. Complete the tree diagram below to determine the probabilities on both drawings.



a. Use your tree diagram to find the probability of getting:

- Blue then yellow
- Yellow twice
- One blue and one yellow

2. A bag contains 4 purple discs, and 5 white discs and 2 black discs. A disc is drawn from the bag and is NOT replaced. Then another disc is drawn from the bag. Complete the tree diagram below to determine the probabilities on both drawings.



a. Use your tree diagram to find the probability of getting:

- One purple one white
- One black one white
- The same color