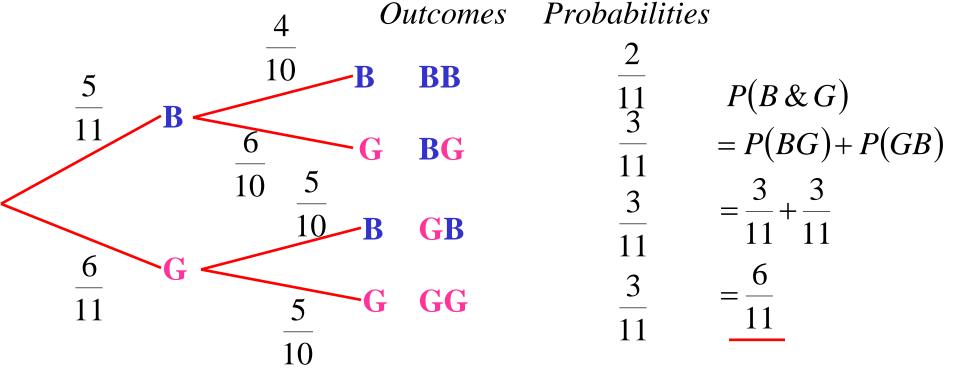
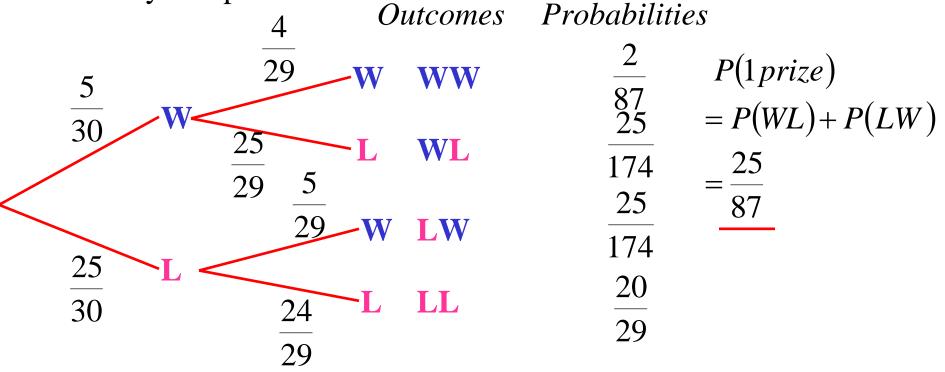
$\begin{array}{l} \hline Tree Diagrams \\ \hline AND \\ = multiply the probabilities \\ \hline OR \\ e.g. 5 boy's names and 6 girl's names are in a hat. \end{array}$

Find the probability that in two draws a boy's name and a girl's name are chosen.



In a raffle 30 tickets are sold and there are 2 prizes. (ii) What is the probability that someone buying 5 tickets wins exactly one prize?



(*iii*) What is the probability of winning at least one prize? $P(\geq 1 \, prize) = 1 - P(0 \, prizes)$ **Exercise 10D; odd**

29