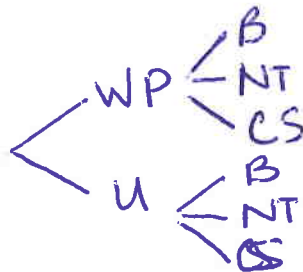


Probability Day 3 - HW

1. Birthday party. 2 prizes, 1 from each bag.

Bag 1
Waterpistol
Unicorn

Bag 2
Barbie
Ninja Turtle
Chess Set



2. Penny toss, 6-sided die rolled

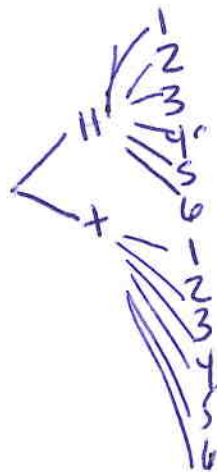
draw a tree diagram

a. $P(H|5) = \frac{1}{12}$

b. $P(T|Even) = \frac{3}{12}$

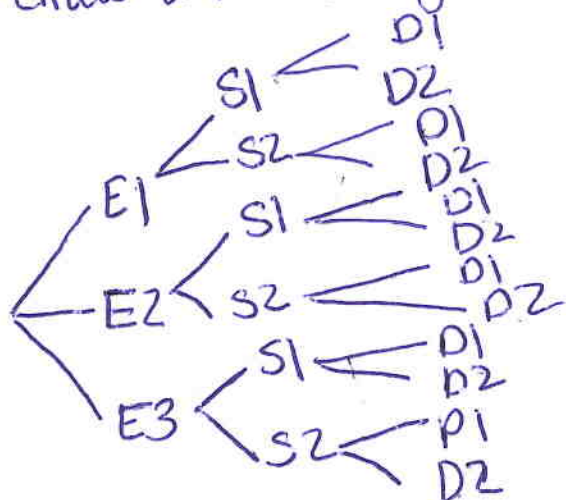
c. $P(H|<6) = \frac{5}{12}$

d. $P(H|>6) = 0$



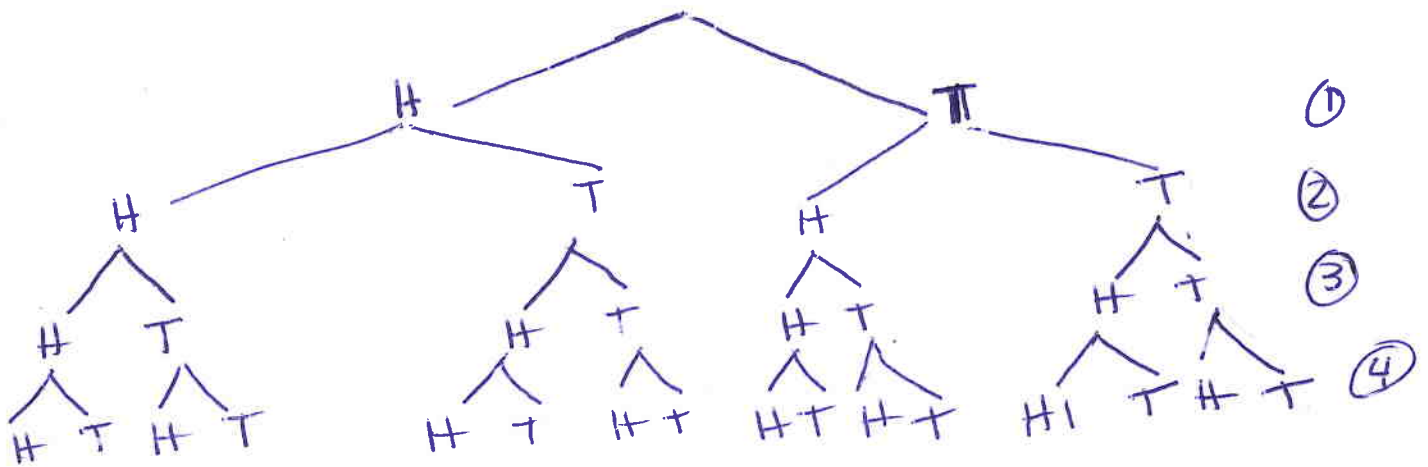
3. Meals \rightarrow 3 entrees, 2 sides, 2 desserts

draw a tree diagram, how many possible meals?



There are 12 possible meals

4. Create a tree diagram - flip Quarter 4 times



16 outcomes are possible.

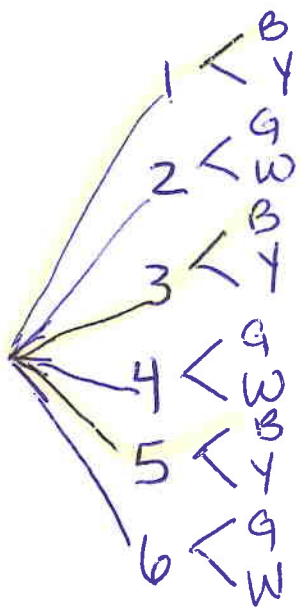
8 paths have at least 2 tails.

5. 2 bags \rightarrow BA = Blue = yellow BB = green = white

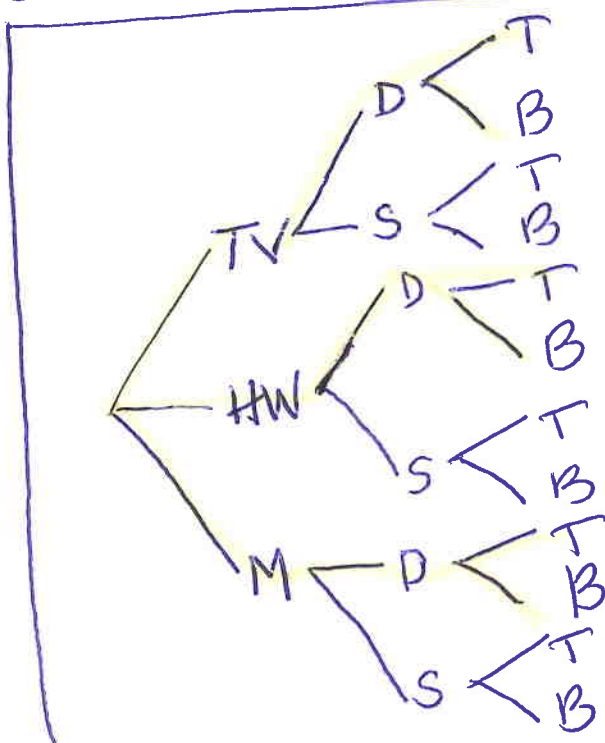
Spinner - 6 sections

if spinner is even, draw from B
if spinner is odd, draw from A

Highlight Blue outcome



6. Sally \rightarrow TV, HW, M
then D or S
then T or B



Highlight when Sally eats dinner (D) with her family.