

# The Monty Hall Problem

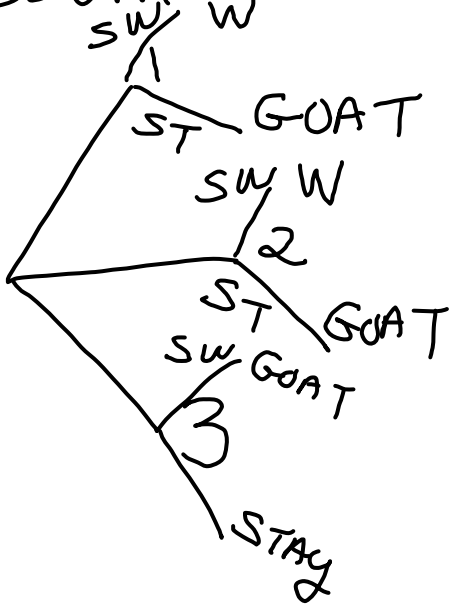
<http://math.ucsd.edu/~crypto/Monty/monty.html>

<http://math.ucsd.edu/~crypto/Monty/montybg.html>



# Sample Space

ASSUME CAR IS BEHIND DOOR 3



$$P(\text{WIN IF SW}) = \frac{2}{3}$$

$$P(\text{WIN IF ST}) = \frac{1}{3}$$