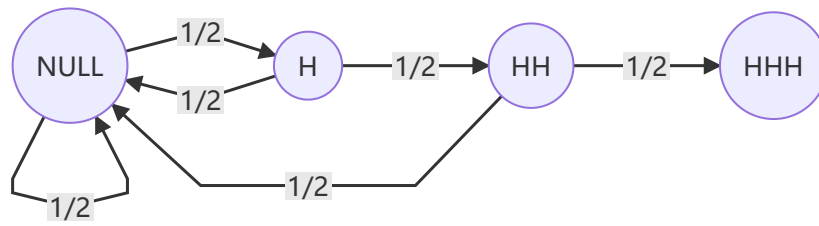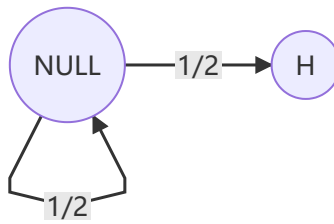## probability graph of throwing a coin

$$E_N = \tfrac{1}{2}(E_N + 1) + \tfrac{1}{2}(E_H + 1) + \tfrac{1}{2}(E_{HH} + 1)$$

$$E_H = \tfrac{1}{2}(E_N + 1) + \tfrac{1}{2}(E_H + 1) + \tfrac{1}{2}(E_{HH} + 1)$$