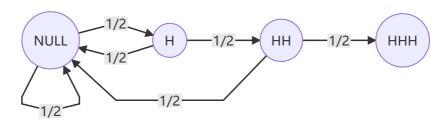
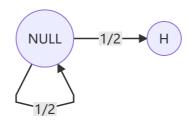
## probability graph of throwing a coin



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



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