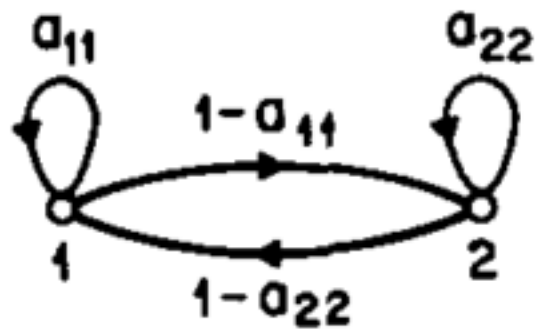


(b)



$$P(H) = P_1$$

$$P(T) = 1 - P_1$$

$$P(H) = P_2$$

$$P(T) = 1 - P_2$$

O = H H T T H T H H T T H ...

S = 2 1 1 2 2 2 1 2 2 1 2 ...