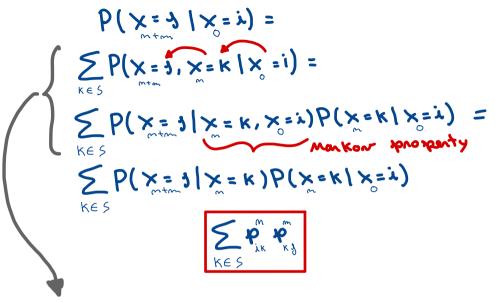
$$P(A|B,C) = \frac{P(A,B,C)}{P(B,C)}$$

$$P(B|C) = \frac{P(B,C)}{P(C)}$$

$$P(A,B|C) = \frac{P(A,B,C)}{P(C)}$$

$$P(A,IB,C) = \frac{P(A,BIC)P(C)}{P(BIC)P(C)}$$



In matrix mototion: