

#### 4.2.6.1 Example - association rules generation

$$Q: Y = \{m, p, b\} \quad k=3$$

Solution

① All non-empty subset of  $Y$

$$X_1 = m \rightarrow p \ b$$

$$X_2 = p \rightarrow m \ b$$

$$X_3 = b \rightarrow m \ p$$

$$X_4 = mp \rightarrow b$$

$$X_5 = mb \rightarrow p$$

$$X_6 = pb \rightarrow m$$

② total  $2^k - 2 = 2^3 - 2 = 6$

candidate rules  $X_i \rightarrow Y - X_i$