P(Wrapper = Red) =

Sum over flavors f: P(Wrapper = Red, Flavor = f)

Sum over flavors f: P(Wrapper = Red | Flavor = f) P(Flavor = f)

0.8 \* 0.7 + 0.1 \* 0.3 = 0.59

P( Flavor = strawberry, Shape = round, Wrapper = red) =

P( Shape = round, Wrapper = Red | Flavor = strawberry) \* P(Flavor = strawberry) =

P( Shape = round | Flavor = strawberry) \*

P( Wrapper = red | Flavor = strawberry) \* P(Flavor = Strawberry) =

0.8 \* 0.8 \* 0.7 = 0.448

P( Flavor = anchovy, Shape = round, Wrapper = red) =

P( Shape = round, Wrapper = Red | Flavor = anchovy) \* P(Flavor = anchovy) =

P( Shape = round | Flavor = anchovy) \*

P( Wrapper = red | Flavor = anchovy) \* P(Flavor = anchovy) =

0.1 \* 0.1 \* 0.3 = 0.003

0.448/(0.448 + 0.003)