

$$= P(x=F|y_0^1, y_0^2) + P(x=M|y_0^1, y_0^2) + P(x=A|y_0^1, y_0^2)$$

$$= 0.3771 + 0.3034 + 0.8$$

$$= 1.4805$$

as the value is greater than 1 we will normalize it.

∴ Normalize values are

• For $x = F$

$$P(x=F|y_0^1, y_0^2) = \frac{0.3771}{1.4805}$$

$$= 0.2547$$

• For $x = M$

$$P(x=M|y_0^1, y_0^2) = \frac{0.3034}{1.4805}$$

$$= 0.2049$$

• For $x = A$

$$P(x=A|y_0^1, y_0^2) = \frac{0.8}{1.4805}$$

$$= 0.5404$$