W

; and

$$P(A|B_1) = 0.8$$
; $P(A|B_2) = 0.7$; $P(A|B_3) = 0.9$
 $P(B_1) = P(B_2) \wedge P(B_3) = P(B_1) + P(B_2)$
 $Hainu:$

Panerme:

$$1=1,3$$
 $P(B_i|A) = \frac{P(B_i)P(A|B_i)}{P(A)}$

$$\begin{cases}
P(B_{3}) = P(B_{2}) \\
P(B_{3}) = P(B_{3}) + P(B_{2})
\end{cases}$$

$$= \begin{cases}
P(B_{1}) = P(B_{2}) \\
P(B_{3}) = P(B_{1}) + P(B_{1}) = 2P(B_{1})
\end{cases}$$

$$\sum_{i=1}^{3} P(B_i) = 1$$

$$\sum_{i=1}^{3} P(B_i) = P(B_i) + P(B_2) + P(B_3) - \dots$$

$$4P(B_1)=1 \iff P(B_1)=\frac{1}{4}$$

 $P(B_2)=P(B_1)=\frac{1}{4}$

$$P(B_{1}|A) = \frac{P(B_{1}) P(A|B_{1})}{P(A)} = \frac{1}{4} \frac{g}{10} \left(\frac{33}{40}\right)^{-1} = \frac{g}{40} \cdot \left(\frac{33}{40}\right)^{-1} = \frac{g}{33}$$

$$P(B_{2}|A) = \frac{P(B_{2}) P(A|B_{2})}{P(A)} = \frac{1}{4} \frac{1}{10} \left(\frac{33}{40}\right)^{-1} = \frac{1}{4} \frac{1}{33}$$

$$P(B_{3}|A) = \frac{P(B_{3}) P(A|B_{3})}{P(A)} = \frac{1}{40} \left(\frac{33}{40}\right)^{-1} = \frac{1}{33}$$

$$P(B_{3}|A) = \frac{P(B_{3}) P(A|B_{3})}{P(A)} = \frac{1}{40} \left(\frac{33}{40}\right)^{-1} = \frac{1}{33}$$

$$P(B_{3}|A) = \frac{P(B_{3}) P(A|B_{3})}{P(A)} = \frac{P(B_{3}) P(A|B_{3})}{$$

$$\frac{1}{1 - \frac{1}{1 -$$

$$\sum_{i=1}^{3} P(B_i|A) = P(B_1|A) \cdot P(B_2|A) + P(B_3|A) =$$

$$= \frac{8}{33} + \frac{7}{33} + \frac{18}{33} = \frac{8+7+18}{33} = \frac{33}{33} = 1$$

Ombem:

$$P(B_1|A) = \frac{8}{33}$$
 $P(B_2|A) = \frac{7}{33}$
 $P(B_3|A) = \frac{18}{33}$

I pumpanne;

A-cgara ceclus anygetanous; Bi-anygon yeuman na i-si goaxysumene; AIB! - Cooks cocom confections for in decontrappensions! BilA - galami cecanto anygan