$P(C) = 0{,}01$ $\quad P(+|C) = 0{,}8$ $\quad P(-|C) = 0{,}2$

$P(\overline{C}) = 0{,}99$ $\quad P(-|\overline{C}) = 0{,}9$ $\quad P(+|\overline{C}) = 0{,}1$

$P(+)$ $\quad P(+) = P(+|C) + (+|\overline{C})$

$P(-)$

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

$P(+,C) + P(+,\overline{C})$

$$= \frac{0{,}8 \cdot 0{,}01}{0{,}8 \cdot 0{,}01 + 0{,}1 \cdot 0{,}99} = 0{,}074$$

$A =$

1	2	1		
3	4	1		

$\xrightarrow{j}$ $\quad \downarrow i$

1	3
2	4
1	1

1	2	3	4	1
5	6	7	8	1
9	10	11	12	1
1	2	3	4	1

$$C_{ij} = \sum_{k=1}^{4} A_{ik} \cdot (A^T)_{kj}$$

$1+4+1$

1	5	9	1
2	6	10	2
3	7	11	3
2	8	12	4
1	1	1	1

$$C_{00} = \sum_{0}^{2} A_{0k} \cdot A^T_{k0} =$$