

Notez:

- C - Cutremur
- A - Alarma
- I - Incendiu

Ex 2

Calculam probabilitatea $P(C|A)$

$$P(C|A) = \frac{P(A|C) \cdot P(C)}{P(A)}$$

$$P(C|A) = \frac{0.98 \cdot 0.0005}{P(A)}$$

$$P(C|A) = \frac{0.00049}{P(A)}$$

Ex 3

Calculam probabilitatea $P(I|\neg A)$

$$P(I|\neg A) = \frac{P(I) \cdot P(\neg A|I)}{P(\neg A)}$$

$$P(I|\neg A) = \frac{0.01 \cdot 0.005}{P(\neg A)}$$

$$P(I|\neg A) = \frac{0.0005}{P(\neg A)}$$