$$\mathbb{P}(HD) = 0'02$$

$$P(TD|MD) = 0'98 \iff P(TA|MD) = 0'02$$

$$P(TD) = P(TD|HD)P(MD) + P(TD|HA).P(MA) =$$

= 0'98.0'02 + 0'05.0'98 = 0'0686

$$P(MD|TD) = \frac{P(TD|MD) \cdot P(MD)}{P(TD)} = \frac{0.98 \cdot 0.02}{0.0686} = \frac{2}{7}$$

$$P(MA|TD) = \frac{P(TD|MA) \cdot P(MA)}{P(TD)} = \frac{0.05 \cdot 0.98}{0.0686} = \frac{5}{7}$$

MAP: Apta, ya que IP(HA/TD) > P(HD/TD).

MV: Defectuosa, ya que P(TDIMD) > P(TDIMA).

Número de mascarillas defectuosas que salen:

10000.00004 = 4

3. Coste marcar una apta como defectuosa:
$$R'$$
Coste marcar una defectuosa como apta: R'
 $R = 2R'$

Coste $h(TD) = MA$: $P(MD|TD) \cdot R = P(MD|TD) \cdot 2R' = R'$
 $R = 2R'$

Coste $h(TD) = MD$: $R(MA|TD) \cdot R' = R'$
 $R(MD|TD) = R(TA|MA) \cdot R(MA) + R(TA|MD) \cdot R(MD) = R'$
 $R(MD|TA) = \frac{R(TA|MA) \cdot R'(MA)}{R'(TA)} = \frac{0!02 \cdot 0!02}{0!93!4} = 0!0004$
 $R(MA|TA) = \frac{P(TA|MA) \cdot R'(MA)}{R'(TA)} = \frac{0!95 \cdot 0!98}{0!93!4} = 0!9996$
 $R(MD|TD) = \frac{2}{7} \cdot \frac{R'}{R' + 2R'} = \frac{R'}{3R'} = \frac{1}{3}$
 $R(MD|TA) = 0!0004$: $R' = \frac{R'}{R' + 2R'} = \frac{R'}{3R'} = \frac{1}{3}$
 $R(MD|TA) = 0!0004$: $R' = \frac{R'}{R' + 2R'} = \frac{R'}{3R'} = \frac{1}{3}$
 $R(MD|TA) = 0!0004$: $R' = \frac{R'}{R' + 2R'} = \frac{R'}{3R'} = \frac{1}{3}$
 $R(MD) = MA$
 $R(MD) = MA$

$$P(T) = ? = X$$
 $P(T) = 4 - P(T)$

$$P(J|c) = P(T|c)$$

$$P(CIJ).P(J) = P(CIT).P(T)$$

$$\mathbb{P}(\mathsf{clJ}).\left(\mathsf{1-P}(\mathsf{T})\right) = \mathbb{P}(\mathsf{clT}).\,\mathbb{P}(\mathsf{T})$$

$$\mathbb{P}(CIJ) - \mathbb{P}(CIJ)\mathbb{P}(T) = \mathbb{P}(CIT).\mathbb{P}(T)$$

$$\frac{P(c|J) = P(T) \left[P(c|T) + P(c|J)\right]}{o's}$$

$$\frac{P(T) = \frac{P(c|T)}{o's + P(c|T)} = \frac{P(c|T)}{o's + P(c|T)}$$

Da más info. siempre le prob. a posteriori