$$UmbralAlto = (UmbralAlto_{actual} + maximo * 3)/4$$

$$UmbralBajo = (UmbralBajo_{actual} + maximo * 3) * 6/40$$

$$\log\left(\frac{P(u)}{Q(u)}\right) > Umbral$$

$$\log\left(\frac{P(u)}{Q(u)}\right)$$

$$\log\left(\frac{P(u)}{Q(u)}\right) = \sum_{i=1}^{4} \log(P_i(u_i)) - \sum_{i=1}^{4} \log\left(Q_i(u_i)\right) > Umbral$$

$$\log\left(P_i(u_i)\right)\ \log\left(Q_i(u_i)\right)$$

$$\sum_{1}^{m} \mathrm{P(u)} \leq tasa\_de\_falso\_rechazo$$

$$dato = (((int32_t)byte_0 \ll 16)\ ||\ (\ byte_1 \ll 8)\ ||\ (byte_2))$$

$$y[n] = \sum_{i=0}^{\frac{N}{2}} h(i) * (\ x[n-i]\ + x[\ n-(N-i)])$$

$$y[n] = \sum_{i=0}^{N} b(i) * x[n-i] + \sum_{i=1}^{N} a(i) * y[\ n-i]$$

$$UmbralAlto = (UmbralAlto_{actual} * 511) \gg 9$$

$$UmbralAlto = (UmbralAlto_{actual} + maximo * 3) \gg 2$$

$$UmbralBajo = ((UmbralBajo_{actual} + maximo * 3) * 10) \gg 6$$

$$Vector_{diferencia} = (Clave_{externa})XOR(\ Clave_{interna})$$

$$Vector_{diferencia1} = \left(Vector_{diferencia}\right)AND(Mascara_1) = 000X000X\ ....$$

$$Vector_{diferencia2} = \left(Vector_{diferencia}\right)AND(Mascara_2) = 00X000X0\ ....$$

$$Vector_{diferencia3} = \left(Vector_{diferencia}\right)AND(Mascara_3) = 0X000X00\ ....$$

$$Vector_{diferencia4} = \left(Vector_{diferencia}\right)AND(Mascara_4) = X000X000\ ....$$

$$\log\left(P_i(u_i)\right) = \log(\ Be(n, 0.5)) \qquad \log\left(Q_i(u_i)\right) = \log(\ Be(n, e_i))$$

$$\mathrm{M(i)} = \{\ P_i(u_i),\ Q_i(u_i),\ \log\left(\frac{P(u)}{Q(u)}\right)\}$$

$$Umbral = M[k][3]\ donde\ k\ es\ tal\ que \sum_{i=0}^{k} M[i][2] < falso\_positivo$$