Ci: al amponente i no funciona: P(Ci)= 0.01 $P(N_0 Funcione) = P(\overline{C_1} \cup \overline{A}) = P(\overline{C_1}) + P(\overline{A}) - P(\overline{C_1} \cap \overline{A})$ elsistema. No funciona el Componente C1 o el bloque A. = P(C)+P(A) - P(C) · P(A) 0.01 Prob. de que NO Funcione el bloque A. $P(\overline{A}) = P(\overline{A}_1 \cap \overline{A}_2) = P(\overline{A}_1) \cdot P(\overline{A}_2)$ No funciona ni lode ornita (A1) ni (o de atojo (A2) $P(\overline{A_1}) = P(\overline{C_2} \cup \overline{C_3}) = P(\overline{C_2}) + P(\overline{C_3}) - P(\overline{C_2} \cap \overline{C_3})$ = 0.01 +0.01 - 0.01 # 0.01 = 0.0201P(A2)=P(C4 UC5 UB) $= P(\overline{C_4}) + P(\overline{C_5}) + P(\overline{B}) - P(\overline{C_4} \cap \overline{C_7})$ - P(CFNB)-P(C4NB)

+ P (C4 NCT NB).

$$P(\overline{A}_{2}) = 0.01 + 0.01 + P(\overline{B}) - 0.01 * 0.01$$

$$- 0.01 * P(\overline{B}) - 0.01 * P(\overline{B})$$

$$+ 0.01 * 0.01 * P(\overline{B}) = 0.01999801$$

$$P(\overline{B}) = P(\overline{C}_{6} \cap \overline{C}_{3}) = P(\overline{C}_{6}) \cdot P(\overline{C}_{3}) = 0.01*0.01$$

$$= 0.0001$$

$$P(\overline{A}) = P(\overline{A_1}) \cdot P(\overline{A_2}) = 0.0201 * 0.01999801$$

= 0.00040196.

$$P(N_0 \text{ Func.}) = P(\overline{C_1}) + P(\overline{A}) - P(\overline{C_1}) \cdot P(\overline{A})$$

$$= 0.01 + 0.00040196 - 0.01*0.00040196$$

$$= 0.0103979 \approx 0.0104$$