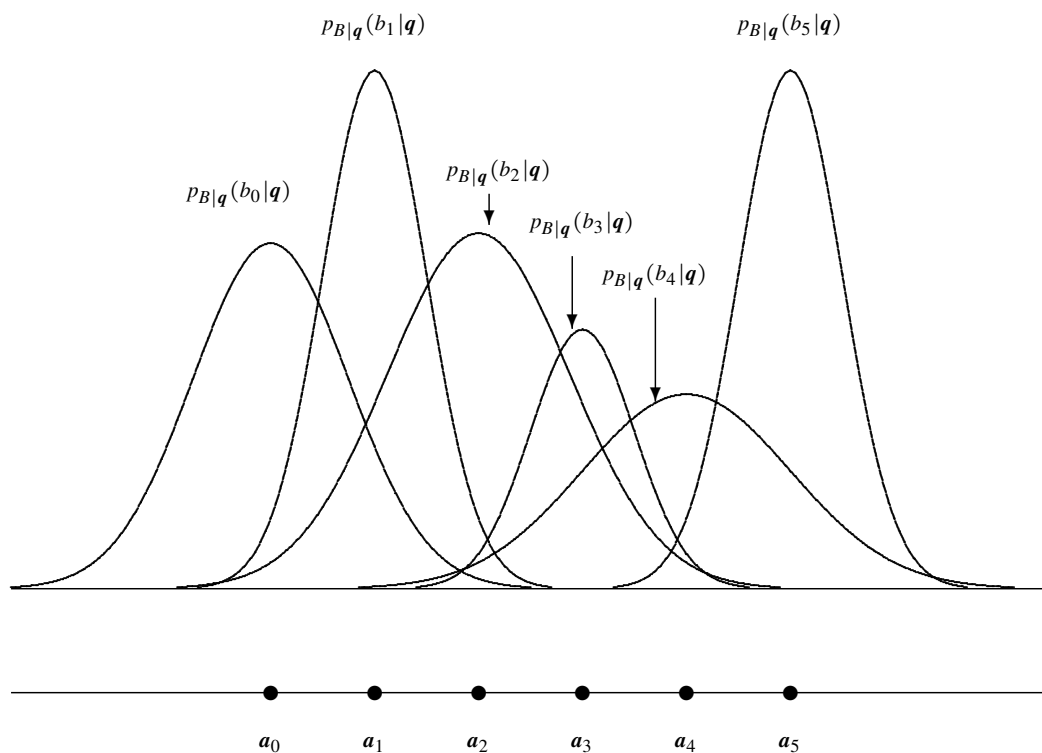
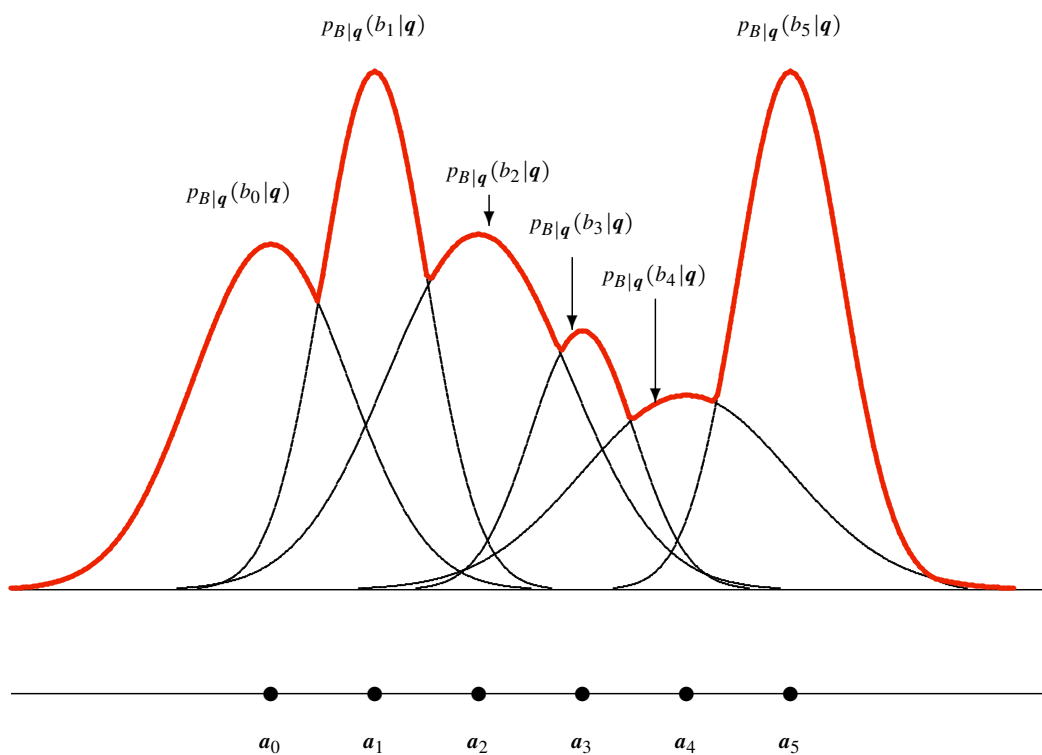


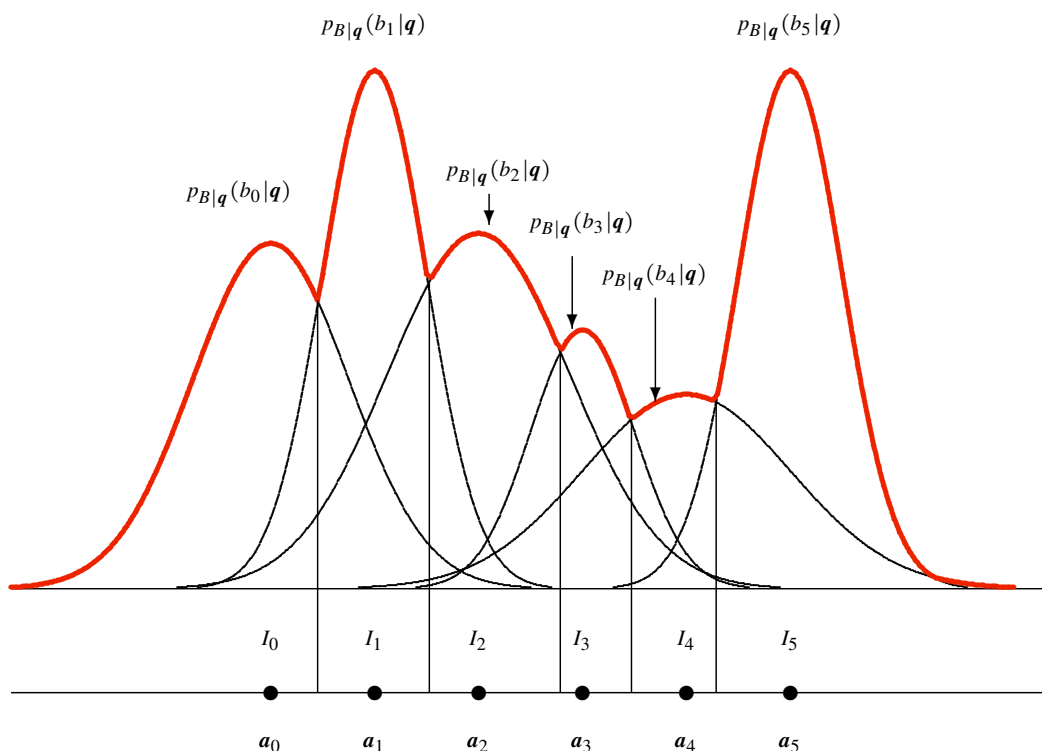
Regiones de decisión para P_e mínima



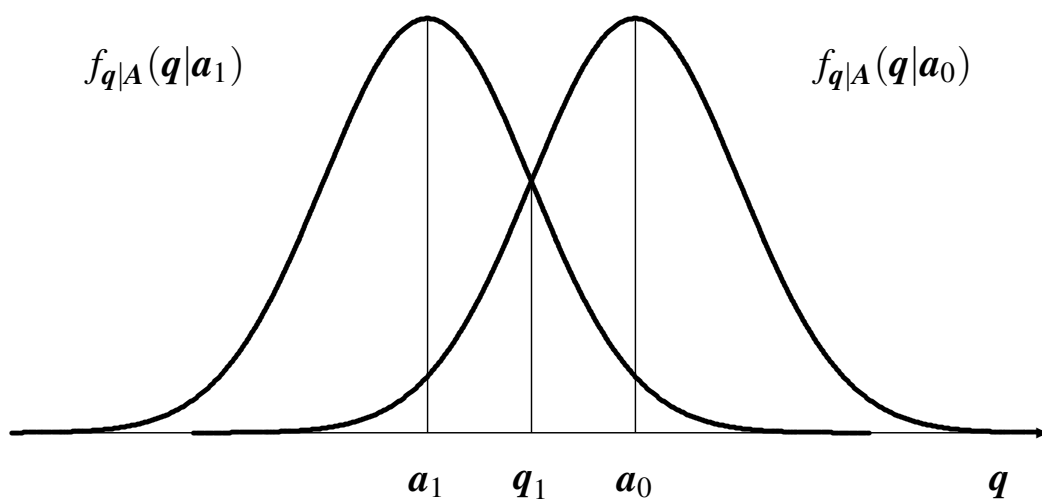
Regiones de decisión para P_e mínima



Regiones de decisión para P_e mínima

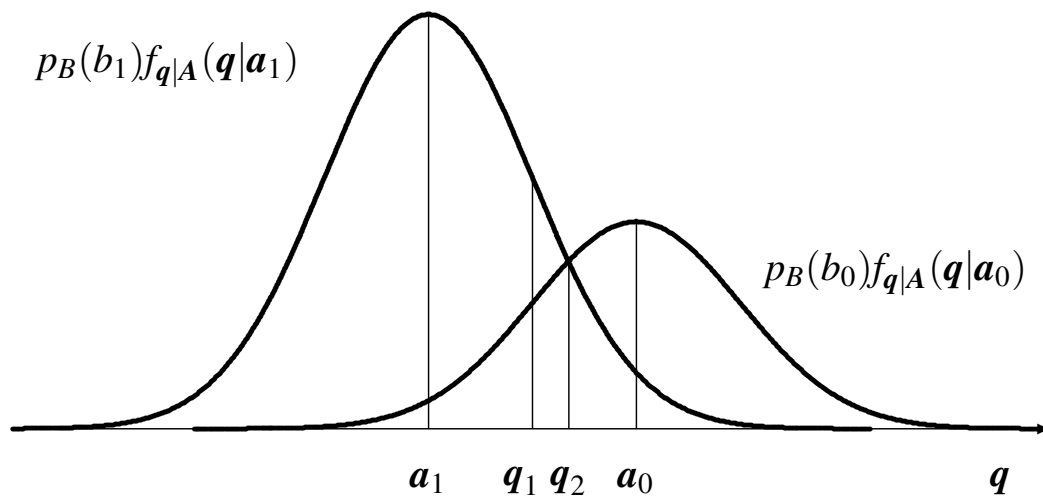


Criterio ML (b_i equiprobables)



$$q_1 = \frac{a_0 + a_1}{2}, \quad I_1 = (-\infty, q_1), \quad I_0 = [q_1, \infty)$$

Criterio MAP (b_i no equiprobables)

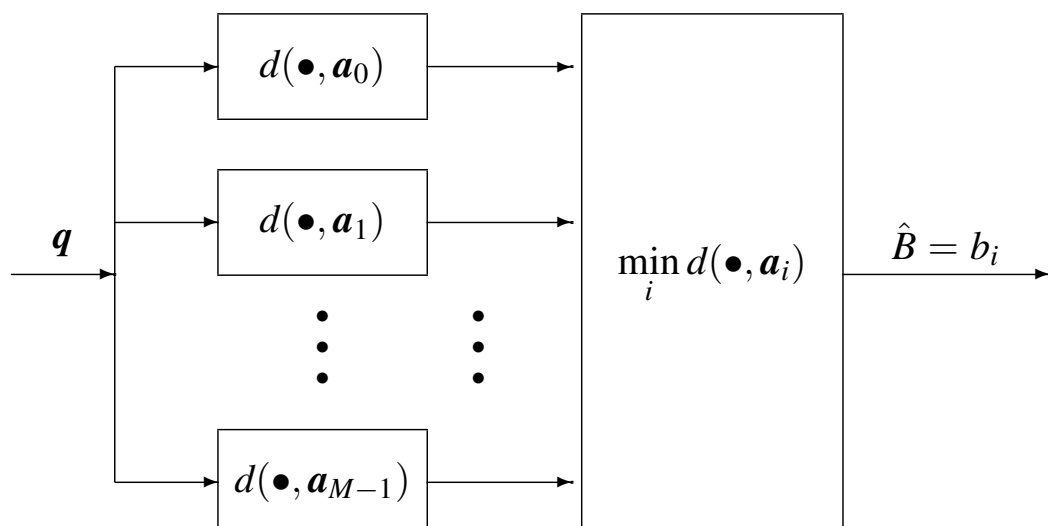


$$I_1 = (-\infty, q_2), \quad I_0 = [q_2, \infty)$$

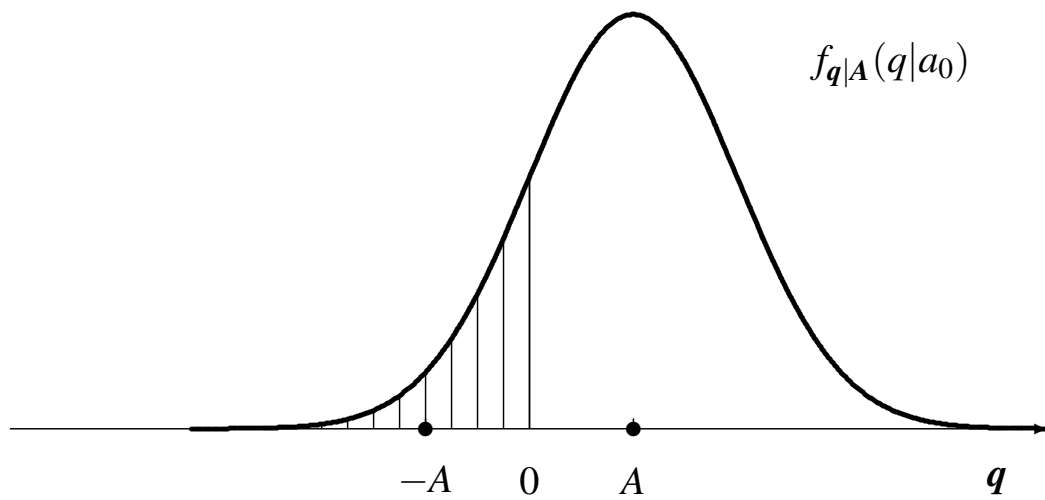
$$p_B(b_0) < p_B(b_1) \Rightarrow d(q_2, a_0) < d(q_2, a_1)$$

Decisor de Máxima Verosimilitud

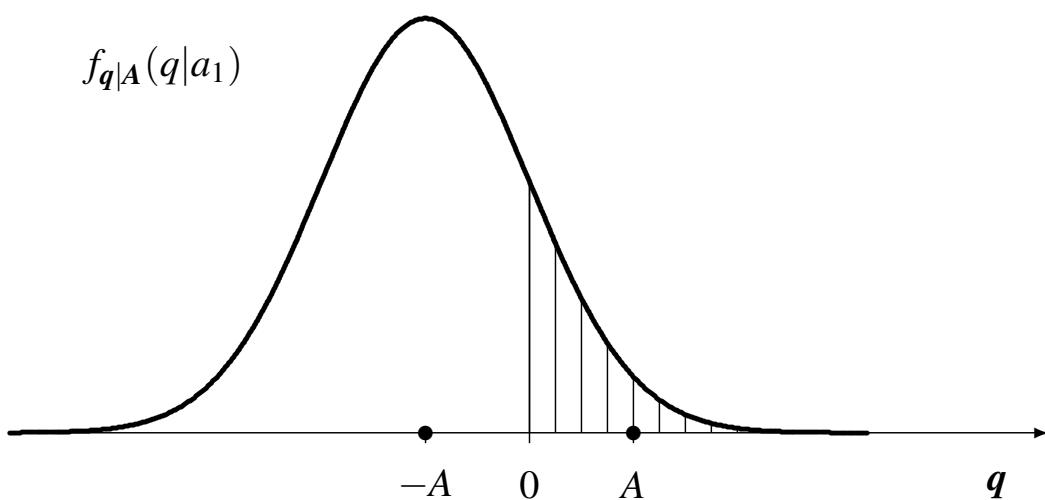
- Ruido Gaussiano
- Símbolos equiprobables



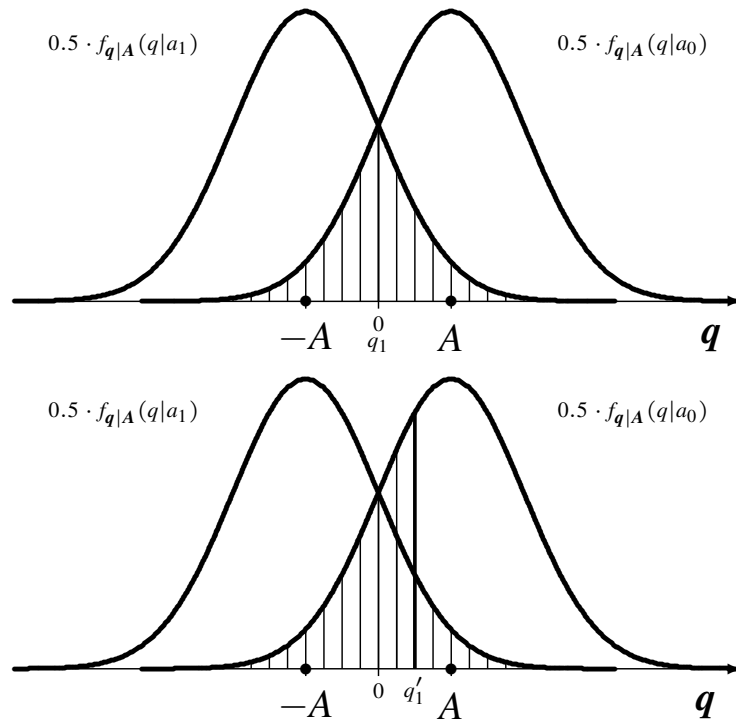
Probabilidad de error $B = b_0$



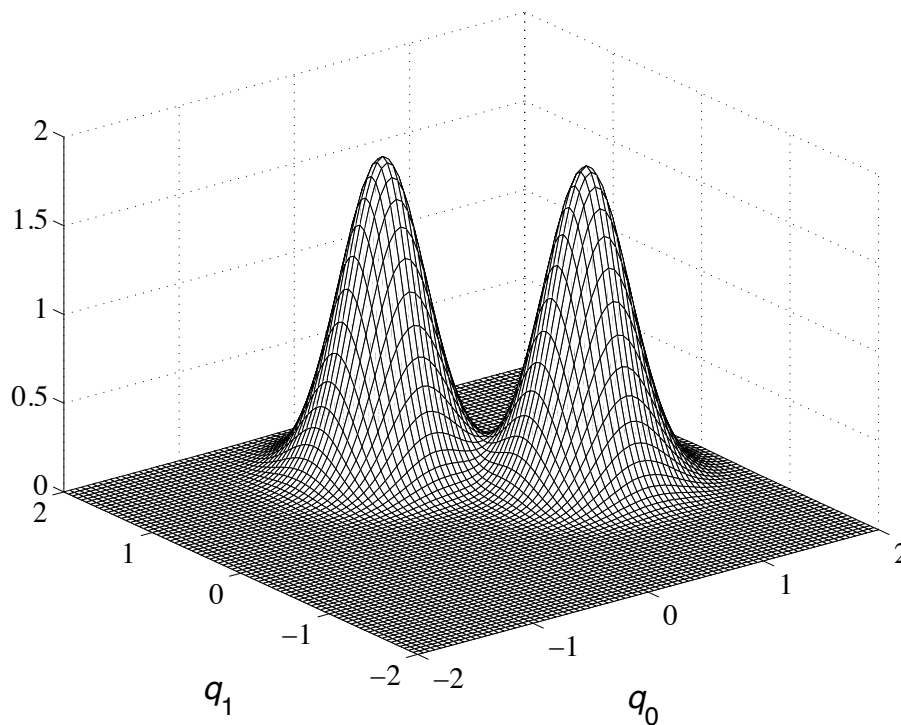
Probabilidad de error $B = b_1$



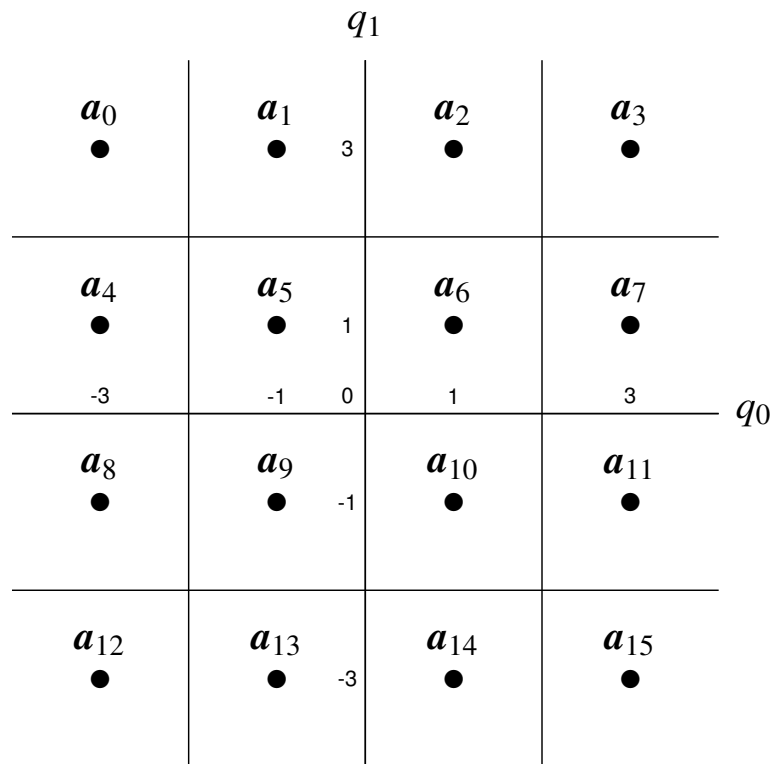
Probabilidad de error total



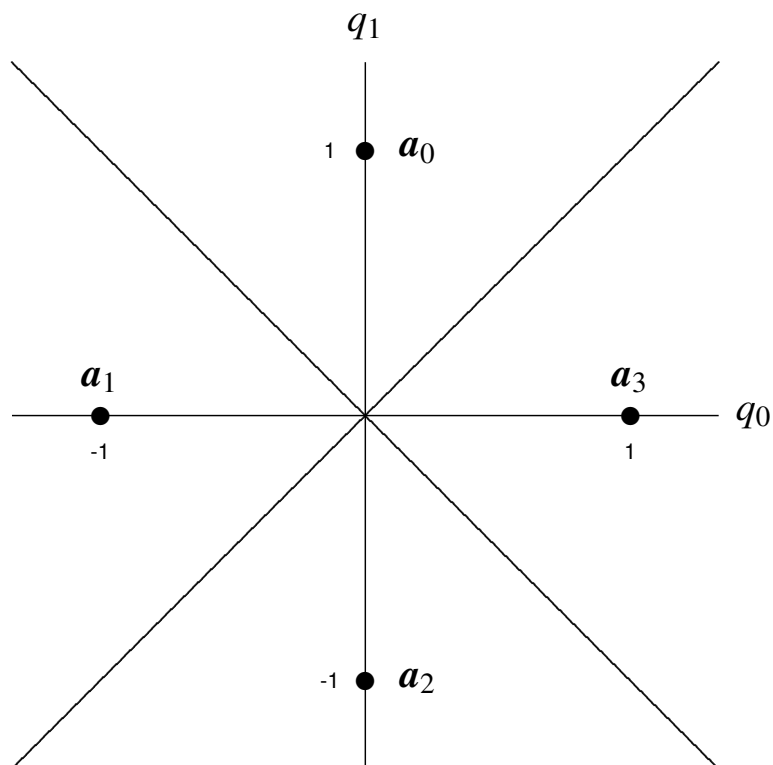
Decisor binario en espacio 2D P_e



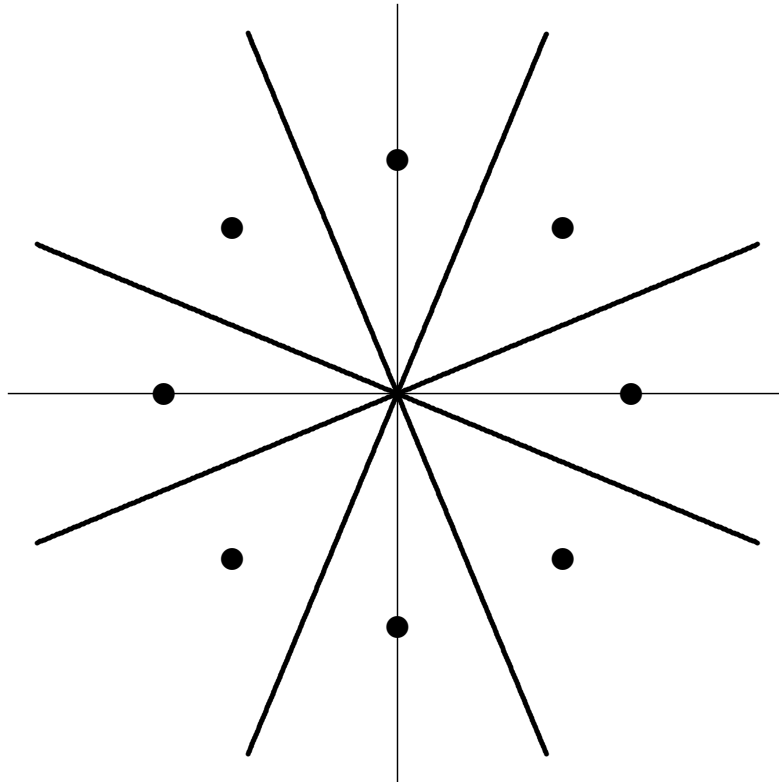
Decisor M -ario en espacio multidimensional



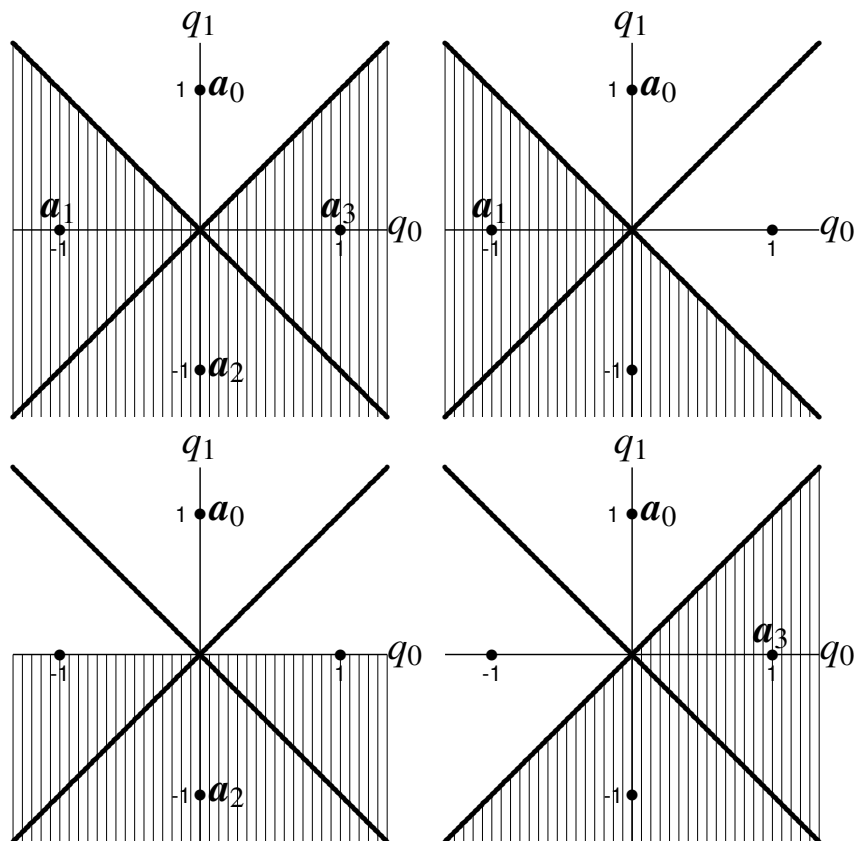
Decisor M -ario en espacio multidimensional (II)



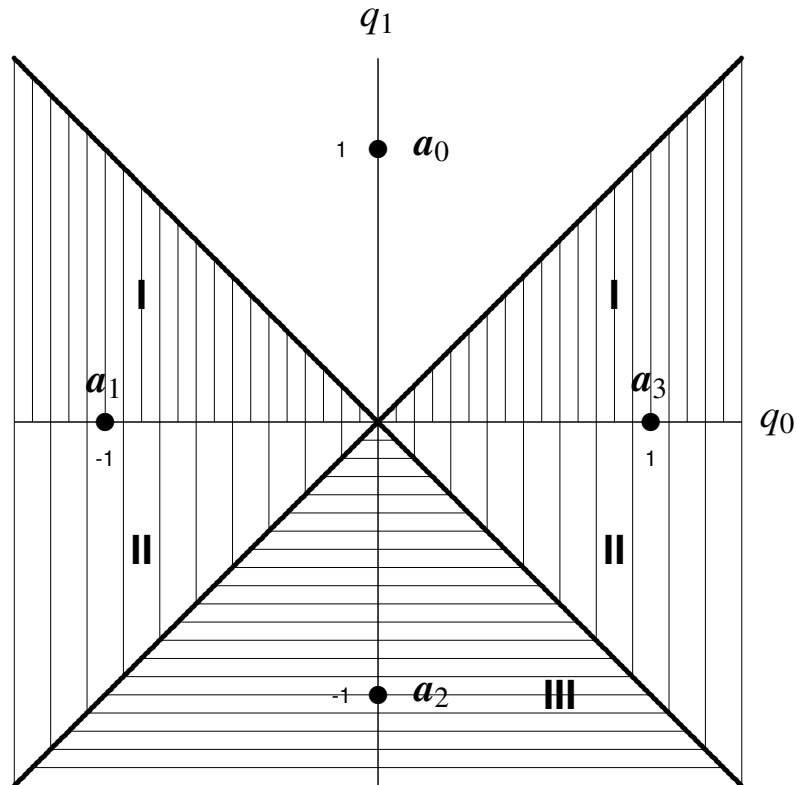
Decisor M -ario en espacio multidimensional (III)



Cota de la Unión



Cota de la Unión - Límite Superior



Cota de la Unión - Prestaciones

