Tabla 9. Conjunto de entrenamiento

class	cap-shape	cap-color	gill-size	gill-color
poisonous	convex	brown	narrow	black
edible	convex	yellow	broad	black
edible	bell	white	broad	brown
poisonous	convex	white	narrow	brown
edible	convex	yellow	broad	brown
edible	bell	white	broad	brown
poisonous	convex	white	narrow	pink

Fuente: problema «mushroom» del repositorio UCI (Frank y Asunción, 2010)

$$p(\omega|x) = \frac{p(x|\omega)p(\omega)}{p(x)}$$

$$p(x) = \sum_w p(x|\omega)p(\omega)$$

Tabla 10. Valores de $P(x_i|k)$

atributo-valor	poisonous	edible
cap-shape: convex	1	0,5
cap-shape: bell	0	0,5
cap-color: brown	0,33	0
cap-color: yellow	0	0,5
cap-color: white	0,67	0,5
gill-size: narrow	1	0
gill-size: broad	0	1
gill-color: black	0,33	0,25
gill-color: brown	0,33	0,75
gill-color: pink	0,33	0

Naive Bayes:

$$p(x|\omega) = \prod_{i=1}^{n} p(x_i|\omega_i)$$