Example:

Bernoulli Noire Bryes

confident	studied	ack	Beenly
yes	NO	No	Foil
yes	NO	yes	base
NO	yes	yes	Foil
100	yes	100	pass
yes	yes	yes	Pass
	11. 110		
sely insta	ne 'X' with		

classify instance x' with confident = yes, studied = yes, sick = NO

D(engent = der | bernt = for) = 1/5 b(engent = der | bernt = bore) = 5/3 b(engent = der | bernt = bore) = 5/3 b(engent = der | bernt = for) = 1/5 b(engent = der | bernt = for) = 1/5 b(engent = der | bernt = for) = 1/5

p(x/pesult= pass) x p(pesult= pass) $=\frac{2}{3} \times \frac{2}{3} \times \frac{1}{3} \times \frac{3}{5} = \frac{-5}{13}$ =0.088 P(x / Result = fail) x P(Result = fail) = \frac{1}{2} \times \frac{1}{2} \times \frac{2}{5} \times \frac{2}{5} \times \frac{2}{90} -0.02 p(x) = p(confident = yes) x p(stooled = yes)x p(side=No): = 3 x 3 x 2 => 18 P(Result = pass/X) = 0.088 | 0144 =00611 P(Result = foul / X) = 0.05/0.144 = 0.34 0.61170.34 => pass V Confident = yes, studied = yes, side = No Scout = harr