	Problem 1:
	a). We lose the order of words and semantic wayning of
	words,
	b). Assume P(Y:=1)=1 and P(Y:=0)=1-1
	P(D:, y:)= P(Y=y:) P(D: Y=y:) = (P(Y=1) P(D: Y)=1))y(P(Y=>)P(D: Y=>))1-y.
	By using naive Bayes model.
	By using naive Bayes model. P(D:, Y:) = (n n!
	\mathcal{T}_{∂}
	The lay I Volihand of D. =
	N: = log P(D; y:) = Y: [logy + log(a:16/c.) + a: log x. + b: log B. +
4	Cilogr,]+ (1 y.) [log(1-4)+log(a,/b,7c.;)+
	a 1/0 gdo + bilog Bo + Cilogxo
	Superfute $\Gamma_1 = 1 - d_1 - \beta_1$ $\frac{\partial H}{\partial a_1} = \sum_{i=1}^{n} \frac{a_i}{a_1} + \frac{c_i}{r_1} \frac{\partial r_i}{\partial a_i}$
	3d, = 29, (a) 1, 3d,
	= = = = = = = = = = = = = = = = = = =
	$\alpha = \gamma = \frac{2y \cdot q}{2y \cdot C}$ $\beta = \gamma = \frac{2y \cdot b}{2y \cdot C}$
	5, Me V1 = 1-d, - B,
	5, M(e Υ ₁ = 1-d ₁ - β ₁ = 1- Υ ₁ = y: 4 = Σy: b: = y: 4 = Σy: L;
	2 y: 4 Z y: L;
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