	$\beta \in -\beta \in -\beta \in S$
(a)	objective function: (e'-e') & we(n) II [yn the (7)] te & we(n)
	(Objective function)
	JB = ( BE + EBL ) E WHINI II CYNTHEIMN ] - 2 = 0
AND SECOND	
	$\left(\sum_{n} w_{k}(n) \prod (y_{n} + h_{k}(x_{n})\right)$
(1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	(ete)(E) (E) -(e)(e) = D = EE
	(E286 +1) (E6) -1 = 0
	$e^{\frac{1}{2}} = \frac{1}{2\epsilon} - 1$ $\rightarrow \epsilon = \ln(\frac{1}{2\epsilon} - 1)$
	2 //
5)	If the training data is linearly separable,
	arymin $\mathcal{E}_{t} = 0$ at $t-1$
estre s'	· · p -> 00
	This is because we are using a strong classifier instead of a wealt one.
7/21	3 dusters 4 data points = (0.5)2 + 02+02
	optimal dukering: (): X11122 M; 1.5 = 0.5
	(D) : 763 (N) = 5
	(3) x4 N=7
6)/(	(1) Suppose $N_1 = 1$ $N_2 = 2$ , $N_3 = 6$
(	D First we will minimize over in so (1): X.
	Then we will winninze over (2): x2
	NIC , the initialized Nursues are (3): 702,764
	alred y optimal
	: find objective: 2 even though it is suboptimal (>0.5)
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the transfer of the

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