	Date:
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	Theory Yues
99-1	=
24	Linear SVM wont be able to solve it.
	But we can colve it by introducing kernels.
	But we can court in linearly separable after
	and thus making it linearly separable after
	71.000000000000000000000000000000000000
	by to the division of the second
	Y X X Y A NOW THE
	0 0 0 1 linearly seperable.
	0 1 0 0
PAY 300 F.Y.	1 0 0 0
-	
Λο	1 1 1 1 1 1 1 2 2 moly of Natasts.
02	Assume a dataset of having only & datapts.  24 & 22 where $\alpha \in C_0$ and $\beta \in C_+$ , we can
	al brushere & E Co and pec, the
jih horas . o	given by: abognin   \vec{w}  ^2 s.t: \w_{\chi_1} + \w_0 = 1 \\ \w_{\chi_2} + \w_0 = -1
0	given by: abognin   w  2. s.t: wx, + wo = -1
	=> argnin   ω   <sup>2</sup> + α, (ω <sup>T</sup> x, + ω <sub>0</sub> -1) +α, (ω <sup>T</sup> x <sub>2</sub> +ω <sub>0</sub> +1)
	those & lax & lagrange & to multipliers.
1	where & lagrange & multipliers.  taking derivative,
The same of	taking almost $\omega + \alpha_1 \alpha_1 + \alpha_2 \alpha_2 = 0 \Rightarrow 0$ and $\alpha_1 + \alpha_2 = 0 \Rightarrow \alpha_1 = -\alpha_2$
and waster and	and $\alpha + \alpha = 0$ $\exists \alpha = -\alpha$ .
	2 10 2/2 2 1
	$\Rightarrow \cdot \omega = -\alpha_1(\alpha_1 - \alpha_2)$
-	taking derivative with www.
	=> wT(x+x2) = -dwo

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	0,0,5,0,0)
	J241 = 0 = 242=0;
	$\begin{array}{c} \chi_2 \\ \sqrt{2} \chi_1 \\ \sqrt{2} \chi_2 \\ \end{array}$
	$x_1 = x_2 = -1$ $y_1 = x_2 = 1$
	2/ x1 = 1 x2 = 1 } f = 1 } f = 1 } f = 1 } f = 1 }
υ 14 	
f 2	
-	the fact of the first of the same of the s