No: Homework 2 19-1機器學習-SVM推導.	31本保
SVM>監督式學習,以統計風險最小化的原則来	估测一個
 	
↑、	
ψ + w·ū≥C	
「	
c = -b	
"+": W+ X+ + b ≥ 1 → fi(X; w+b) ≥ 1 → yi(x	10 +6)-120
"-": w+ x-+ b ≤-1 → di(xi·w+b) ≤1 & yi(x	
\$ for	Xi in gutter
$ W = (X + - X -) \cdot \frac{\omega}{ w } = \frac{2}{ w }$	
$\Rightarrow \vec{x}_{+} = 1 - b , \vec{x}_{-} = 1 + b$	in L
MAX 2 MAX min wil => min wil => m	2 11W11
L = - -	0)-1]
Dw = W - Σα, y; x; = 0 D = Σα; y; x;	
3 = - Ediyi = 0 → Ediyi = 0	
$L = \frac{1}{2} \left(\sum_{x_i \neq x_i} (\sum_{x_j \neq j} \overline{x}_j) - \sum_{x_i \neq i} (\sum_{x_j \neq j} \overline{x}_j) - \sum_{x_i \neq i} (\sum_{x_j \neq j} \overline{x}_j) - \sum_{x_i \neq i} (\sum_{x_j \neq j} \overline{x}_j) - \sum_{x_i \neq j} (\sum_{x_i \neq j} \overline{x}_i) - \sum_{x_i \neq j} (\sum_{x_i \neq j} \overline{x}_i)$	didib-Exi
= Zot-zをらdidjyidji xixja 求最大値	
Exigixi. u+b 20 + +	
	$= \phi(\bar{x}_i) \cdot \phi(\bar{x}_i)$
不可線性方離: 中(xi)・中(xj) to MAX K(xi,xi, xi, xi, xi, xi, xi, xi, xi, xi, x	
$=) \bigcirc \left(\overrightarrow{u} \cdot \overrightarrow{v} + 1 \right)^{n} \bigcirc \left(\overrightarrow{v} \cdot \overrightarrow{v} + 1 \right)^{n} $	