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- $2. \ \, \text{$e^{i}$} \ \, \text{$a$} \ \, \text{$e$} \ \, \text{$e$} \ \, \text{$a$} \ \, \text{$e$} \ \, \text{$e$
- 3. æ£å®šæ€§ï¼šå'é‡\$x\$çš,é•¡å°¦ä,€å®šå¤§ä°Žç‰ä°Žé>¶ã€,\$\|x\\ \geq 0\$ã€,

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\$L {1}\$èŒfæ•°¹¹/sĕæ}/å*"é;;èŒfæ•°¹¹/4Œä¹Ÿå‹œ›¼å*"é;;è:c\xi/4Œè®³/4\$x\in R^{n}\$¹¹/4Œå³/4—å^°ä ‹é¢è;™ä ªè;¨ë¾³/å³/ã€.

 $\$ $\xi_{1}=\sum_{i=1}^n \ln x_{i} \right)$

• \$L {2}\$\cdot\text{\$\text{e}}\cdot\text{\$\text{e}}\cdot\text{\$\text{d}}\cdot\text{\$\text{e}}\cdot\text{\$\text{d}\cdot\text{\$\text{d}}\cdot\text{\$\text{d}}\cdot\text{\$\text{d}\cdot\text{d}\cdot\text{\$\text{d}}\cdot\text{\$\text{d}\cdot\text{

 $\$ _{2}=\sqrt{\sum_{i=1}^{n} x_{i}^{2}}

• \$L {\infty}\$&Efæ*^1/4\$å*;#æ^*\%*\angle \name{4}*\angle \name

\$\$ \\x_\\infty}=\max \left(\left|x_{1}\right|,\left|x_{2}\right|, \ldots,\left|x_{n}\right|\right| \$\$

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\$\$ x^{T} y=\sum_{i=1}^{n} x_{i} y_{i} \$\$

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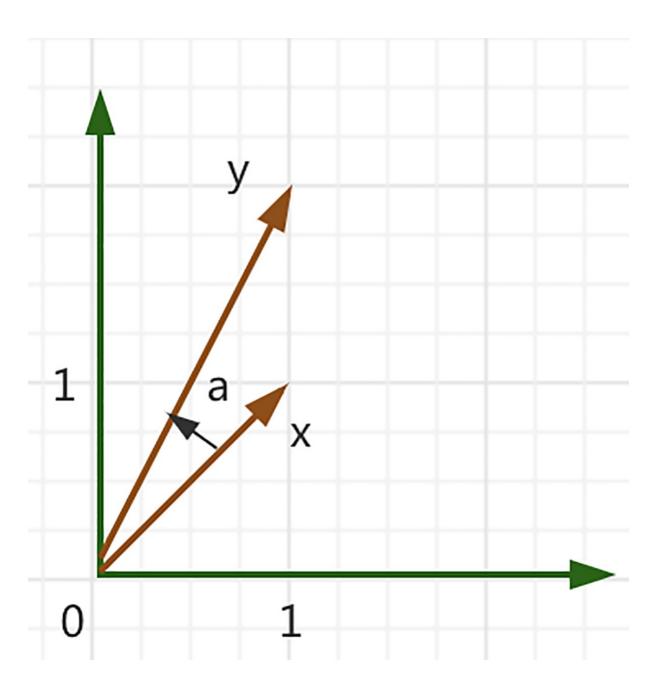
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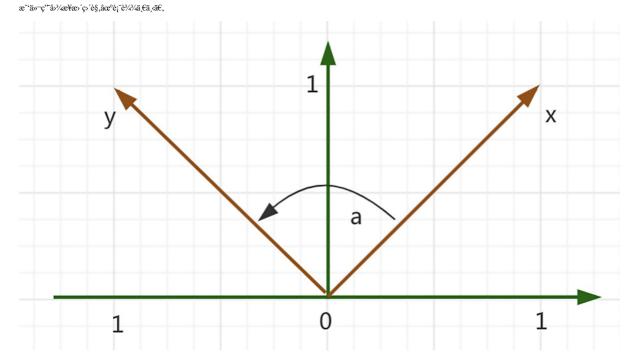
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\$\$

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x_{1} \\\
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9 & 6 \\\
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 9 & 6 \\\
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 \[ \cdot \] \right] = (3 x_{1}+2 x_{2})^{2}-x_{2}^{2}
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çŞ¯a°Şç°Ÿç$,jr/dŒa¯³å,jr/skw-/då**é;j¿Œfæ•°a€,接ä,æ¥t/dŒa* 'a»+è;¯æ¯æ¥å...²æ¯ef/½ç°±å†...çŞ¯a°Şç°Ÿç$,¢/Efæ•°a`Št/dŒa»Žä,åŒç$,è§`å°a¥çœçœdå‡a½•a`Šç$,¢•;å°jā€èç;»å°Œè§`å°jç$,æ;å,iµã€,
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-1 \leq \frac {\langle x, y\rangle} {\\x\\\y\\} \leq 1 $$
\cos (a)=\frac{\langle x, y\rangle}{\langle x, y\rangle}
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  \zeta^{\Sigma'''''''',0} = \frac{1}{4 \mathbb{E}^{2}} \frac{
 \label{langle x, y'rangle } $$ \left( x, y'rangle \right) = \left( x^{T} y \right) \left( x^{T} y \right) = \left( x^{T} y \right) \left( x^{T} y \right) = \left( x^{T} y \right) \left( x \right)
\acute{e}, \pounds \ddot{a}^{-1} \rlap/ 4 C\! E \grave{e}_{\dot{e}}^{TM} \ddot{a}_{\dot{e}} \ddot{a}_{\dot{e}}^{a} \mathring{a}^{\dot{e}} \acute{e} \mathring{a}^{\dagger} \acute{e} - \acute{c}_{\dot{e}} \mathring{s}^{\dot{e}} \mathring{a}^{\dot{e}}_{\dot{e}} \mathring{a}^{\dot{e}}_{\dot{e}} \mathring{a}^{\dot{e}}_{\dot{e}}, \ddot{a}^{\dot{e}} \acute{e},
 \label{left} $$\operatorname{left}(\frac{3}{\sqrt{10}})\right) \quad 0.32$
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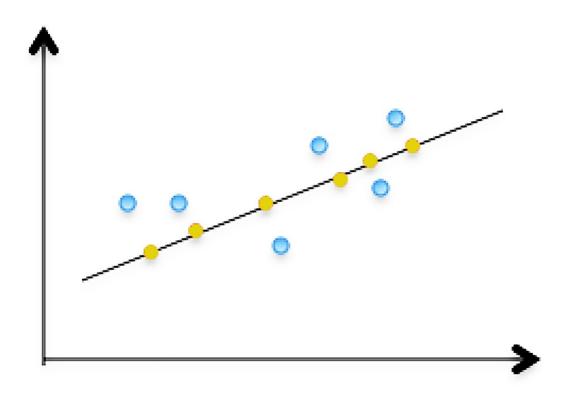


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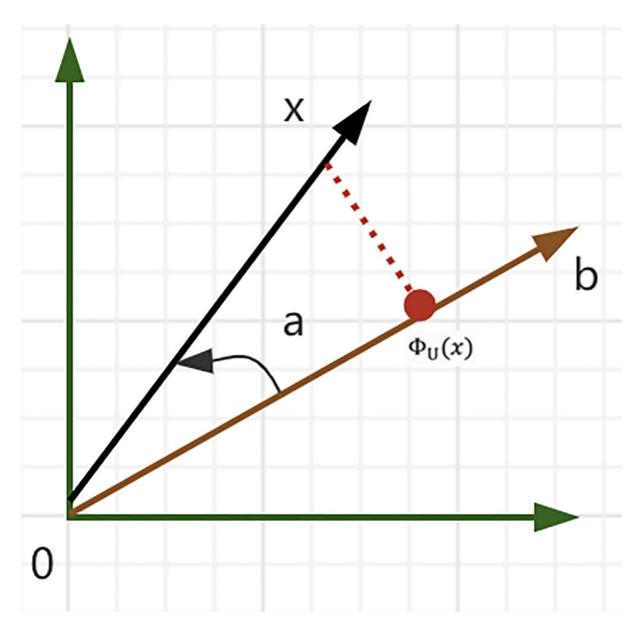


囼ä¸ç\$¸¢°ç¸¹æ¯åŽŸä°Œç›¸æ•°æ®ï¼Œéx¸ç¸¹æ¯å®f们ç\$¸æ£ä°æŠ*影䀸所ä¾ï¼E宽č™…ć™ç››°åŽï¼Œåœ°ä¸€ç»′ç©°6—′ä¸å°±å½¢æ°ä°†è¿™™ç;ó°ç°ç°ç°;°2°¼Æå®f迸°ä¼¼åœ°è;°ë¼¾å°Œç›;œ•°æ®è;°çс°ç\$¸ä¿¡æ¯ä€¸

$$\begin{split} & \zeta^{\Sigma'\hat{a}\alpha''\hat{a}$$

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接ä,æ¥f¼Œ*`ä»=æ¥ç∞ç∞dį,何投影尰ã,€ç»´ãç©'6—´f¼Œå'Ÿå°±æ¯æŠŠå†...积ç©'6—´ç\$,å'¢‡æ£å°°ā¢©'6—´f¼Œè¿™¢‡Œæ``ä»=ä½įç``ç,'积ā½œã,°å†...积ã€,



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 \varsigma ^{-} \ddot{a} \xi \tilde{a} \tilde{b}_{0} \xi \tilde{b}_{0} \tilde{b}_{
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 $\mathring{a} ^\circ \mathbb{C}' \ddot{a} \dagger \dots + \mathbb{C}^\circ \ddot{a} \times \mathbb{C$

 $\$ \lambda=\frac{\langle x, b\rangle} {\langle b, b\rangle}=\frac{\langle b, x\rangle} {\lb\^{2}} \$\$

 $\varsigma,, \P \mathring{a} \check{Z} \mathring{i} / 4 E \mathring{x} \hat{a}) = \acute{e} E \check{s} \grave{e}_{\dot{c}} \mathring{\downarrow} \varsigma, {}^{1} \varsigma \S = \mathring{a} / 4 - \mathring{a} \hat{a} \mathring{i} / 4 \check{s}$

 $\mathring{a}|, \\ \texttt{æ}\check{z} \\ \texttt{œ} \\ \texttt{`}|b \\ \texttt{'}=1 \\ \texttt{`i'} \\ \texttt{'} \\ \texttt{'} \\ \texttt{'} \\ \texttt{E}\acute{e}, \\ \\ \texttt{£} \\ \texttt{`} \\ \texttt{`i'} \\ \texttt{`a} \\ \texttt{`} \\ \texttt{'} \\ \texttt{`a} \\ \texttt{`a} \\ \texttt{`b} \\ \texttt{`a} \\ \texttt{`a} \\ \texttt{`a} \\ \texttt{`b} \\ \texttt{`a} \\ \texttt{`a}$

 $\label{eq:lambda=\frac{b^{T} x}{\|b\|^{2}}} $$ \lambda = \frac{b^{T} x}{\|b\|^{2}} $$$

\$\$

 $$S \ \Psi_hi_{U}(x)=\lambda b=\frac{h^{T} x}{\left(b\right)^{2}} b=\frac{b^{T} x}{\left(b\right)^{2}} b$

 $\acute{e} \in \grave{s}\grave{c}, \\ \\ \downarrow \varsigma, \\ \\ \downarrow \varsigma \\ \\ \\ \stackrel{\circ}{=} * \check{e} + \grave{e} \\ \\ \stackrel{\circ}{=} * \check{e} + \grave{e} \\ \\ \stackrel{\circ}{=} * \check{e} + \grave{e} \\ \\ \stackrel{\circ}{=} * \check{e} \\ \\ \stackrel{\circ}{=} * \check{e} \\ \stackrel{\check{=} * \check{e} \\ \stackrel{\check{=} *}{=} * \check{e} \\ \stackrel{\check{=} * \check{e} \\ \stackrel{\check{=} *}{=} * \check{e} \\ \stackrel{\check{=} *}{=} * \check{e} \\ \stackrel{\check{=} *}{=} * \check{e} \\ \stackrel{\check{=} * =} \check{e} \\ \stackrel{\check{=} * =}$

 $\grave{e}_{\grave{\mathcal{C}}}{}^{TM} \acute{e}_{\updownarrow}^{\dagger} E \varsigma \check{s}, \$ a \$ i / {}_{4} E \varkappa \tilde{}^{-} \$ x \$ \mathring{a} `E\$ b \$ \ddot{a} ' \acute{e} - ' \varsigma \check{s}, \mathring{a} ^{\square} \grave{e} \$ `\tilde{a} \varepsilon ,$

\$\$

 $\label{eq:continuous} $$ \Phi_{U}(x)=\lambda b=b \quad b=b \quad b=b \quad b^{T} x} {\psi \psi^{2}} = \frac{b^{T}}{(b \psi^{2})} = \frac{b^{T}}{(b \psi^{2})} x$

\$\$

 $\ P_{\Phi} = \frac{b b^{T}}{\|h\|^2}$

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所äÐ¥Ĭ¼Œå,Œæœä½ èf½æŽŒæ;èŒfæ°å'Œá†...ç\$¸ç\$,ç†è®°çݥ识f¼Œå"¶æŠŠå®få'Œæ£ã°¤æŠ°å½±ç»°å',è;ç°"åœ'ä ¿ã°¼®zè·µå''°ç'"åœ'æ™´ä,-1¼Œæ¯"å,₁¼≾3Då¾å½¢å¾åfç\$,åæ ‡å`æ¢ã€æ•°æ®åŽç½©¼Ææ₩åŠæœ°å™*ä,ï ç\$,¢™ç» ã€,

$\varsigma^{\circ}; x \in \S \ddot{a} \times x \bullet^{\circ} \varsigma \times f \ddot{a}^{1} \mathring{a} c^{\circ}$

 $\dot{e}^-\varsigma''\ddot{a}'\dot{a}\%\mathring{a}\mathring{a}^\circ\varsigma\check{x}, \cancel{x}\acute{t}\ddot{a}^\circ\Box x\check{S}^\bullet\mathring{a}/_2 \pm \varsigma\check{x}, \cancel{x}\check{S}^\bullet\mathring{a}/_2 \pm \varsigma\check{Y}^\circ\Box \acute{e}^-\mu\varsigma \& -x^3\bullet\ddot{i}/4ExX^2\bullet \&_{|\varsigma}^0\& -x^3\bullet\ddot{i}/4ExX^2\bullet \&_{|\varsigma}^0\& -x^3\bullet\ddot{i}/2ExX^3\bullet \&_{|\varsigma}$

 $\begin{array}{l} \hat{c}_{l} = \hat{c}_{l} = \hat{c}_{l} + \hat{c$