Wonlingar	Basis Functions			VI Set VERSION
a) Mononi	als in 12 Not higher o	degree k:		Electronia de la companya del companya del companya de la companya
				2 NI, X, X, X, X,, X, }
	$= \underbrace{\sum_{j=1}^{N} X_{j}^{a_{j}}}_{i \in A} $	aj e No with	0 = 0 = 0	i = 1, id
Hone	mak: k=g (=>d=55)	, N=Z	lt sprogresse in 2 <sup>e</sup> e 11 in 12 Begen de alternatie ee 1900 van De alser ee 1800 van de 1800 van 1800 v	
p) Shew	can jobs fast for lan	ge   XII => whitaing	(tolen)	his includes standardization
- Sscale	and cotate centerel pls. $x : $ $d = \Lambda^{\frac{1}{2}} E^T X^{(u)}$	date s.t. multig	("sprend") da	to is uncorrelated with standard deviation 1 in ead variable
wh	ene scentered = x (4)	$-\frac{\bar{x}}{2} \left( \frac{\bar{x}}{2} = \frac{1}{2} \sum_{n=1}^{\infty} \frac{1}{2} \frac{n}{2} \right)$	xas)	
	1=diaglaigenvalen	e matrix, E = (e,	1 (e.) e	igavector matrix of
	the covariance	e matrix lot the d	lata) C	e Ce - X.0
	S is given to	17 Cis = 1 &	X(A) X(A)	ie. C = A XXT
=>	P Z × sphred = 0	near (reso) contend)	n centeral;	FOR X = (XCA)  X content, (XCA)  X content
and	1 So X splend m = 1	varione Canit std.	lev.)	
aul	1 Z Xsplered; Xsplered  N Xsplered  N Xsplered  N Xsplered	lij = 0 l (macein	elated)	
5 Aunly	hiral solution for lin	ear neva with has	sis functions, g	inadratic cost tresularization
Data Set	$\phi(x_{\alpha}) := \begin{pmatrix} \phi^{\alpha}(x_{\alpha}) \\ \phi^{\alpha}(x_{\alpha}) \end{pmatrix}$	(x = 1 , P (	+ (ands 47 (a)	juadrahic cost, pregularisation (Lz)
=)	) From previous re	nults: w* = Q	重すれる	$\int_{0}^{\infty} \Phi(x) = \sum_{i=1}^{n} w_{i} \Phi_{i}(x)$
C	where $\Phi = (\Phi^{(a)}, \dots, \Phi^{(a)})$	(dP)) EIRdip	$\lambda(\bar{x},\bar{n}) = \bar{m}$	TO(x) = Z dw. Q:(x)