so the sum in the above of apport vector machines by  $\sigma_{ij}(\theta^T x^{(i)}) + \frac{\lambda}{2m} \sum_{j=1}^{n} \theta_j$ We can estimate this a list by makinging this by spire index, since which a right well-spiring state for the property of the using a factor C insits  $(\partial^{\mu} e^{(\nu)}) + \frac{1}{2} \sum_{i=1}^{n} \Theta_i^i$ Wester Inner Product Say we have her vesters, u =  $\begin{bmatrix} u_1 \\ u_2 \end{bmatrix} v = \begin{bmatrix} v_1 \\ v_2 \end{bmatrix}$ The length of vector v is different energy of the length of vector v is different energy of the length of vector v on the projection of vector v is The projection of vicin vicin is an invariant vicin vicin via  $x^2 + y = y \cdot ||y||$ . Note that  $x^2 + y = y \cdot ||y||$  is ||y|| + ||y|| = ||y||. So the product  $x^2 + y + y = y \cdot ||y|| = ||y||$ . So the product  $x^2 + y + y = y \cdot ||y|| = ||y||$ . Fit is ergally between the lines  $\frac{au^2}{y^2} \frac{1}{2} \sum_{j=1}^{2} Q_j^2$ . If  $y = y = y \cdot ||y|| = ||y||$ . We can set the same that  $y = \frac{1}{2} ||y||^2 + ||y||^2 + ||y||^2$ . We can set the same rules. We can see that the same rules. So to a now have a non-against  $y = y \cdot ||y||^2 + ||y||^2$ . So no now have a non-against  $y = y \cdot ||y||^2$ . So no now have a non-against  $y = y \cdot ||y||^2$ . So no now have a non-against  $y = y \cdot ||y||^2$ .

as the property of a first production of a features in a  $f^{(i)} \rightarrow f_1$   $f^{(i)} \rightarrow f_2$   $f^{(i)} \rightarrow f_3$   $f^{(i)} \rightarrow f_3$