Den	12 Orken Eren 205624625	
7	ECE C247 HW#2	
2)	Softmex Classifier Godent	
	Let witx 46; = 0;	gat such
	$m \in \{n(s^{(j)})\}$	
	Likelihood = TT TT Pr(y(5)=j) x(5) (9)	
	j=1 $0=1$	
		V
where	$S_{\Lambda}(y^{(i)}) = 1 + y^{(i)} = \Lambda$	
	O otw.	
	THE RELEASE OF THE PARTY OF THE	
	We are given that Pr(y(i)=n x(i)'0) = softmaxn(x(i)) - eon	
3	E el se	ton the
. Paragraphic	i i i i i i i i i i i i i i i i i i i	
	3 3 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	30
$\int_{\mathcal{O}_{i}}$	likelihood - TT Toftmaxn(x(i)) Sn(y(i))	
رون	j:1 j:1	
	7.1 11.1	
	$\frac{M}{2} \leq C_{1}(i) \log \left(\operatorname{cortonay} \left(v_{i}(i) \right) \right)$	
_d=	Log-likelihood = E & SA(y(i)) log (softmaxA(x(i)))	
	old = dd dsoftmax, do:	
	dw; profluing go; gw;	
		and make at the
		\$



