Cenulap 3

	L NO SERVI	SCMULLAN.		
CORPRI			SA)	
22/4 mgc:		SENGA PURCA	THE BAY	145

 $1 + h'(w^{T} + b)w^{T}u \neq 0$   $1 + h'(w^{T} + b)w^{T}u \neq 0$   $0 + h'(w^{T} + b)w^{T}u \neq 0$   $1 + h'(w^{T} + b)w^{T}u \neq 0$ 

P(2/0)=P(9(2))-ldet Jg/

P(2) ~ N(0,1)

$$[L[T, p(x|\theta)] = |T(x)|\log T(x)|dx =$$

$$= -|T(x)|\log p(x|\theta)|dx + |T(x)|\log T(x)dx$$

$$= -|E_{T(x)}|\log p(x|\theta)|$$

$$= -|E_{T(x)}|\log p$$

MLE

 $y \times \chi \sim T$ 

3. det st

$$[KL[f(x|\theta)]] = [f(x|\theta)] \log \frac{f(x|\theta)}{f(x)} dx = 2$$

$$= [E_{f(x|\theta)}[log f(x|\theta) - log f(x)]]$$

$$= [E_{f(x|\theta)}[log f(x|\theta) + log | det ff | - log f(x)]]$$

$$[E_{f(2)}[log f(2) - log | det f(1) - log f(2))]$$

[Ep(2) [ Log P2 (2) - Log lolot Jg / - Log Ti (9(2))]

1-9(2)=x Le MLE 2. elet dy 3. P(2), sampling 4. oyembans T(x)