

4.24. we will follow the exact same ligic as 4.23.  $L(D_{ou}) = \frac{1}{L} \frac{1}{2} \frac{1}{2} \frac{P_{i}(w_{i}|x)}{P_{i}(w_{i}|x)} - \frac{1}{2} \frac{1}{2} \frac{P_{i}(w_{i}|x)}{P_{i}(w_{i}|x)} - \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{P_{i}(w_{i}|x)}{P_{i}(w_{i}|x)} - \frac{1}{2} \frac{1}$ 1 -1 L Piwilx) = 7 -> P(wilx) = 1 & P; (wilx) Substituting (F) into the constraint: えー1 え Pj·(w; |x)-1 => カ= -1 光人 Pj·(w; |x) (国) Plugging (II) back into (I): 15 |A| = 1 |A| = 1 |A| = |A| =20 => P(wilx) = 1 & Pj(wilx)