Now, for the E-step -

For a fixed 0, F(q,0) is bounded by L & achieves that bound when KL[q(z)||P(z|x,0)] = 0

Now, KL[2][p] is zono only ig 2=p.

... the value of g(z) in E. Step will be - $g(z) = P(z|n, o^{(k-1)})$

and the KL term will twu to 0 to achieve the lower bound.