((((q/p) = Sq(6), Poy(q(6))) de Pa 10 / 2 30 /((g//p) 7,0 · tirs to observation, it is post probably easier to whom that -11((q1/p) (0 Secause of the Jenser applify is an upper Bounel 16(911p) 30 (0) -16(G/1p) 50 $4 = -1(l(q|l|p)) = -\int q(\theta) \cdot loq \left(\frac{q(\theta)}{p(\theta)}\right) cl\theta$ $+ \int q(\theta) \cdot loq \left(\frac{q(\theta)}{p(\theta)}\right) cl\theta$ $+ \int q(\theta) \cdot loq \left(\frac{q(\theta)}{p(\theta)}\right) cl\theta$ $+ \int q(\theta) \cdot loq \left(\frac{q(\theta)}{q(\theta)}\right) cl\theta$ $+ \int q(\theta) \cdot loq \left(\frac{q(\theta)}{q(\theta)}\right) cl\theta$ $+ \int q(\theta) \cdot loq \left(\frac{q(\theta)}{p(\theta)}\right) cl\theta$ $(20) = \int g(\theta) \cdot \log \left(\frac{p(\theta)}{g(\theta)} \right) d\theta$ • mow we can use Jansers in equalify $\left\{ \int q(\theta) \cdot \left(\frac{\varphi(\theta)}{\varphi(\theta)} - 1 \right) d\theta \right\}$ = Sc P(0) - q(0) - q(0) d0 = (ME)de - (GE)de In pince pig probability distribut

Since proly use & Bud p ose prosability closerbutions =>page) >0 40 1 Spla)=1 => the second for an the first for Me can not go to O for every input => second part has to canish 065 ln (1) =0 =) p(a) = q(a)