```
P(x) = a { (-1,1) \ {0}} + l {0} - b {2}
  ( p(x) = Sadx +26=1=) 20+26=1 = a=θ l= 1 -θ
T. v. 800 } =7 8 € (0, 1/2)
  Merog non-d = 1 x plo, Mdx = [0 x dx + 0 1 - 0 | + 1 2 - 0 ): 1-26
                   L= 1 x p (0, x) dp = 0 1 x dx + 4 (1 - 0) + 0 (2 - 0) = 3 + 0 + 2 + 0 = 2 - 10 0
          DIST : Ma = 1 - 11 = 2 - 10 0 - 1140 - 10 = 1 + 30 - 40
            L_{i} = \overline{J}_{i} = \frac{1}{n} \sum_{i \geq 1} x_{i} = \overline{x}
1 - 20 = \overline{x} = 7 \overline{Q}_{i} = \frac{1 - \overline{x}}{2}
```

9 [ 0, ] = 1 [ 2 - 2 ] = 4 [ 2 ] = 4 ( 2 ] = 4 ( 2 ] = 4 0 [ 2] = 4 0 [ 1 = 4 0 ] = 4 0 ] ) 20

7 Penninan

$$\begin{array}{l} 3 \cdot 3(\theta) = \int_{0}^{\pi} \left( \frac{3(L_{1}(\theta, x))}{2(\theta)} \right)^{\frac{1}{2}} (x, \theta) d\theta = \int_{0}^{\pi} \left( \frac{1}{\theta} \right)^{\frac{1}{2}} d\theta + \frac{\frac{1}{2} - \theta}{(\frac{1}{2} - \theta)^{\frac{1}{2}}} + \frac{\frac{1}{2} - \theta}{(\frac{1}{2} - \theta)^{\frac{1}{2}}} \right) \\ = \frac{1}{\theta} + \frac{1}{1 - \theta} = \frac{1}{\theta} \cdot \frac{1}{\theta} = \frac{1}{\theta} \cdot \frac{1}$$

di Per. og

Hep. 
$$K_{\text{parkeps}}$$
 - Pao  $\Sigma[\hat{\theta}, 17, \frac{1}{nT(\theta)}] = \frac{6(1-2\theta)}{2n}$ .

uchally. Meray marc. mabyonogodul

$$\frac{2 \ln L(\theta)}{2 \theta} = \frac{n - m}{\theta} + \frac{m}{\frac{1}{1} - \theta} (-1) = \frac{(n - m)(\frac{1}{1} - \theta) - m\theta}{\theta(\frac{1}{1} - \theta)} = 0$$

$$\frac{2}{1} \cdot n\theta - \frac{m}{1} = 0$$

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$$\frac{2}{1} \cdot n\theta - \frac{m}{1} = \frac{1}{1} - \frac{1}{1} \cdot 1$$

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$$\frac{2}{1} \cdot n\theta - \frac{m}{1} = \frac{1}{1} - \frac{1}{1} \cdot 1$$

$$\frac{2}{1} \cdot n\theta - \frac{m}{1} = \frac{1}{1} - \frac{1}{1} \cdot n\theta - \frac{m}{1} = \frac{1}{1} - \frac$$