[] X1,..., Xn ~ R [a,6]

Pennin.

Motuo co pabhonepus os pacopezeneme: f(x) = 1, a < x < b

Cocrabin op-your upat gonogo ous:

hougen nakannym no a:

op-une (B-a) bospaciair no a => maxcunym gocruraisce

6 carroti npaboti Torke: a = x(1)

ratigen nakunyn no 8:

97-44 (6-2) yorbaer no 6 => makunym gochuraeral β canoū reloū τονκε: X(n) ≤ l => | l= X(n)

Overna maxamans uous apalgo mogo bul gre a u b:

Perverus:

Perverus:

notucia nokajaren usus pacupele reume:  $f(x) = \lambda . e^{-\lambda x}$ , x>o

Coetalum op-vus upalfonogoliul:  $L(x_1,...,x_n; \lambda) = f(x_1,\lambda) ... f(x_n,\lambda) = \lambda e^{-\lambda x_n} = \lambda^n e^{-\lambda \sum x_i} \rightarrow \max_{\lambda}$ Laigen nakunya norapupma ot L:

$$l = h L = h ln \lambda - \lambda \Sigma x_i \rightarrow max$$

$$\frac{\partial l}{\partial \lambda} = \frac{h}{\lambda} = \Sigma x_i = 0 \Rightarrow \lambda = \frac{h}{\Sigma x_i} = \frac{1}{\lambda}$$

$$\frac{\partial l}{\partial \lambda} = \frac{n}{\lambda} = \sum_{i=0}^{\infty} x_{i} = 0 \Rightarrow$$

=> 1 - Torka Makunyma

upalgonogodul