## Plus 202 - A4 77-9

7. Assenbly Changes.

Memol

Take a change from 00 to some position

@ who required.

3 Report for each change.

Step 1

M = Q

Stop2

 $W = \int_{\infty}^{\infty} \frac{dx}{x^2} dx$   $W = \int_{\infty}^{\infty} \frac{dx}{x^2} dx$   $= \int_{\infty}^{\infty} \frac{dx}{x^2} dx$   $= \int_{\infty}^{\infty} \frac{dx}{x^2} dx$ 

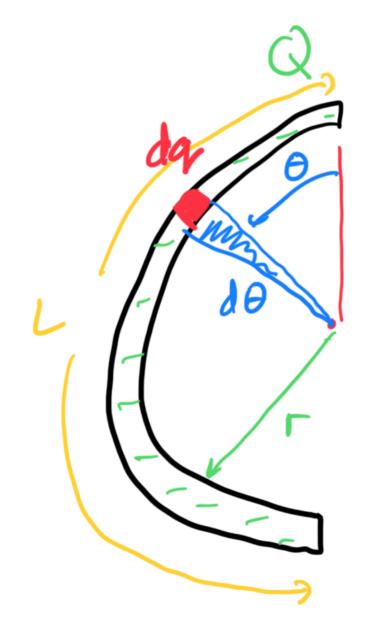
Steps 
$$W = \frac{k_e Q^2}{s}$$

Steps  $W = \frac{k_e Q^2}{s}$ 
 $W = \frac{k_e Q^2}{s}$ 

$$W_{rmal} = \frac{b_e Q^2}{s} + \frac$$

$$W_{\text{man}} = \frac{k_e Q^2 \left[ 1 + (1 + \frac{1}{\sqrt{2}} + 1 + 1 + \frac{1}{\sqrt{2}} \right]}{s}$$

$$= \frac{k_e Q^2 \left( 5.4142 \right)}{s}$$



$$0) dq = \lambda dx = \lambda r d\theta$$

$$= 0 \cdot \frac{L}{\pi} d\theta = 0$$

$$\frac{\partial U}{\partial U} = \frac{k_e dg}{r} = \frac{k_e \left(\frac{Q}{\pi} d\theta\right)}{L/\pi}$$

$$\int_{0}^{\infty} \sqrt{\frac{1}{2}} d\theta = \int_{0}^{\infty} \sqrt{\frac{1}{2}} d\theta$$

Simple Solution: All of the charge is

The Same distance from the centre!

$$\frac{1}{2} = \frac{\beta_e Q}{r}$$

9: