問

Q12 = 0

03 左 = - 02 右

Q4 / = - 02 to

$$E_{12} = -\frac{2.5}{5.5} \chi_{2}$$

(i) ४ हिसिं ६८२

in e 同樣上口

$$E_{34} = \frac{a_3 b}{\epsilon_0 s} ix$$

(i)
$$1-2 = -\int_{0}^{d} E_{12} dx$$

$$= \frac{Q_{2} + Q_{2}}{2 + Q_{2}} dx$$

(i) 2-3 [3]

$$V_{23} = -\int_{20}^{0} E_{23} dx$$

 $= \frac{8.5}{9.5} d$

$$V_{34} = -\int_{3d}^{2d} E_{34} o(x)$$

$$= \frac{a_3 t}{\xi_0 s} o(x)$$

(4)
$$\begin{cases} Q = Q_{26} + Q_{24} \\ V_{12} = V_{23} + V_{34} \end{cases}$$

$$\frac{Q_{2} \frac{7}{2}}{5.5} d = \frac{Q_{2} \frac{7}{2}}{5.5} d + \frac{Q_{2} \frac{7}{2}}{5.5} d$$

$$Q_2 = Q_2 + \frac{\xi}{\xi} Q_2 = \left(1 + \frac{\xi}{\xi}\right) Q_2$$

$$\Theta_0 \stackrel{f}{=} = \frac{\ell + \ell_0}{2\ell + \ell_0} Q$$

$$V = V_{12} - V_{x}$$

$$V_{X} = -\int_{X}^{d} E_{23} dx$$

$$V = \frac{R_{2} t}{\xi_{0} s} ol - \frac{R_{2} t}{\xi_{5}} (x - d)$$