## **Solutions**



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$$\vec{E}_{2} = \frac{2\pi e_{0}h}{2\pi e_{0}} i N/C
$$\vec{E}_{1} + \vec{E}_{2}
= \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} + \frac{2\pi}{2} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \frac{1}{4} \sum_{\alpha \in q} i \alpha = \frac{1}{2\pi e_{0}h} i \alpha = \frac{1}{2\pi e_{0}h}$$$$

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