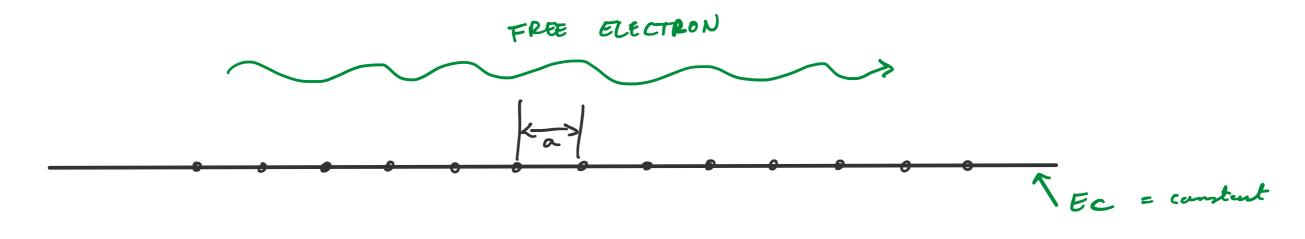
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 $-\frac{\hbar^2}{2m^*}\frac{\int^2 q}{\partial x^2} + E_c q = Eq$

in the n-the point, the Schoedinger equation in discretized as:

$$- to \left[\mathcal{Q}_{M+1} - 2\mathcal{Q}_{M} + \mathcal{Q}_{M-1} \right] = (E - E_{c}) \mathcal{Q}_{M}$$

$$\mathcal{Q}(x) = \mathcal{Q}_{k}^{k \times x = Ma} \mathcal{Q}(Ma) = \mathcal{Q}_{k}^{k \times a}$$

$$- to \left[\mathcal{Q}_{k}^{k \times (M+1)a} - 2\mathcal{Q}_{k}^{k \times a} + \mathcal{Q}_{k}^{k \times (M-1)a} \right] = (E - E_{c}) \mathcal{L}^{k \times a}$$

$$E_{F} = E_{c} - t_{o} \left[2\cos k\alpha - 2 \right] = E_{c} + 2t_{o} \left[1 - \cos k\alpha \right]$$

Ka <<1
$$1 - \cos ka \leq 1 - \left[1 - \frac{k^2 a^2}{2}\right]^2 + \frac{k^2 a^2}{\epsilon}$$

ka <<1 EK#Ec + ^{k²k²}/_{Zm^r}

