

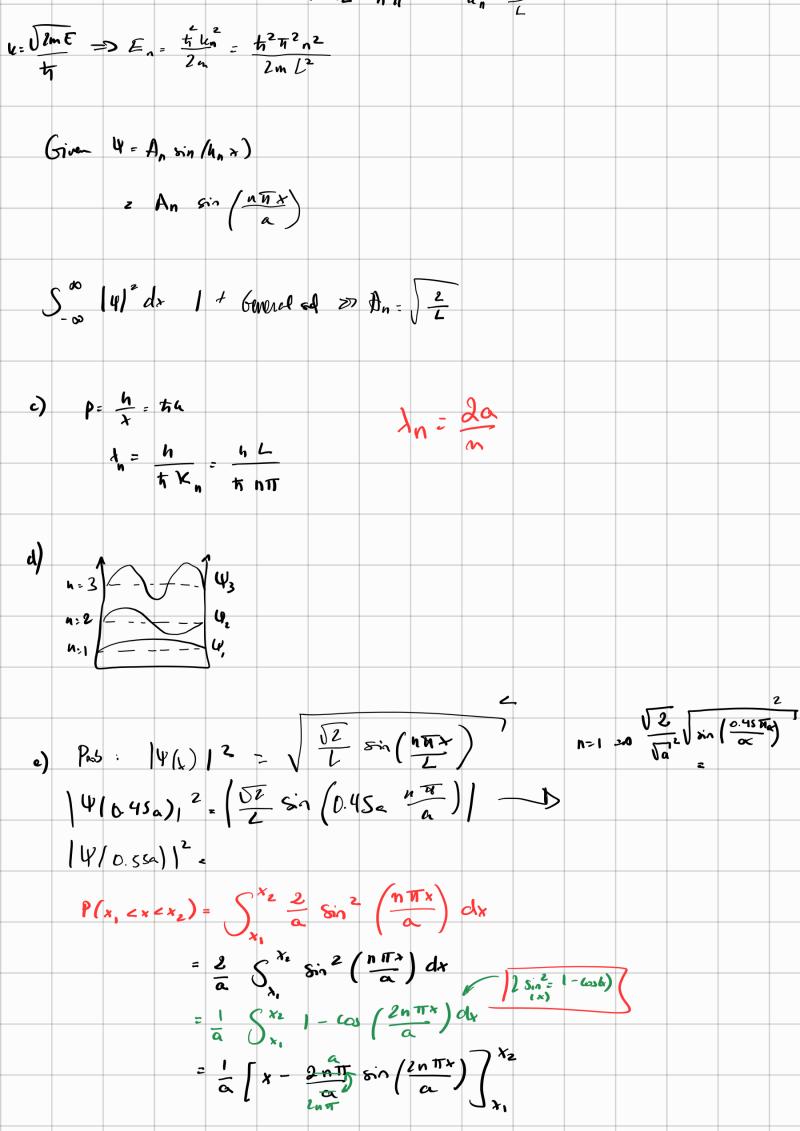
$$= ih \frac{\partial}{\partial t} \left( A \psi e^{-i\xi_{1}t/h} \right) + ih \frac{\partial}{\partial t} \left( B \psi e^{-i\xi_{2}t/h} \right)$$

$$A \left( -\frac{\pi^{2}}{2m} \frac{\partial^{2}}{\partial x} \left( \psi e^{-i\xi_{1}t/h} \right) + V \psi e^{-i\xi_{2}t/h} - ih \frac{\partial}{\partial t} \left( \psi e^{-i\xi_{2}t/h} \right) \right)$$

$$+ B \left( -\frac{\pi^{2}}{2m} \frac{\partial^{2}}{\partial x} \left( \psi e^{-i\xi_{1}t/h} \right) + V \psi e^{-i\xi_{2}t/h} - ih \frac{\partial}{\partial t} \left( \psi e^{-i\xi_{2}t/h} \right) \right) = 0$$

$$We \quad line \quad that \quad even \quad E_{1} = E_{2}, \quad \psi_{1} \geq \psi_{2} \quad and \quad looks \quad soluths \quad to the other of the o$$

. h/ = n ==>



$$\begin{cases} 1 & \text{if } \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) - \frac{1}{16} \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot n \pi_{1}}{\alpha} \right) + \frac{1}{16} \sin \left( \frac{2 \cdot$$

