Overtitation of the movertum of a particle in a soci with	
percédic borrolony conditions	
	3
Assum $V(t) = 0$ (free particle) and $V(6) = V(2)$ (in a $V'(6) = V'(2)$ (1-D)	Or
V(x+2) = 74x)	
The solution to the previous equation in	
V(x) = A e relative x = Let 2m x	
= A e i kx + Beikx	
$V(a) = V(L) \Rightarrow A + B = A e^{3kL} + Be^{-ikL}$ $V'(a) = V'(L) \Rightarrow A - B = A e^{ikL} - B e^{-ikL}$	
$2\lambda = 2 e^{ikL} \rightarrow e^{ikL} = 1 = \sqrt{k = \frac{2\pi}{L}n}, n \in$	Z
This can be generalized to 3D, and we have $\vec{k} = \frac{2\pi}{L} \vec{n}_{x,ny,n}$	
(specium of 2 parties will se,	
$E_{n} = \sqrt{M_{1}^{2} + K_{1}^{2}} + \sqrt{M_{2}^{2} + K_{1}^{2}} = 2\sqrt{M_{1}^{2} + K_{2}^{2}} = 2\sqrt{M_{1}^{2} + (\frac{2\pi}{2})}$ $M_{1} = M_{2}$ $M_{1} = M_{2}$ $M_{1}^{2} = 0,1,33$	
,,,,,	. / /