Pertel	
3.1	We assume Bosons (which makes sense if He is made with 4 Spin -> partides) so atoms can share wave function.
Method	1: Infrite Square Well.
V	We consider particle constrained on [0, L], then the naufuntion is $J^{2}_{L} \sin(\pi x) + \sin(\pi x) \sin(\pi x)$
	This gives $p^2 = -h^2 \frac{1}{4x^2} \psi = \frac{\pi^2 h^2}{L^2} \psi$, thus
	the zep-point energy $\frac{3}{2m} = \frac{12h^2}{L^2 2m}$.
Methos	l 2: For free particle, $T = \frac{t^2k^2}{2m}$, using
	$k = 2\pi/\Lambda$, $E = \frac{\pi^2 4^2 \pi^2}{\Lambda^2 2m}$, substituting
	$N = 2L$ gives $E = \frac{\pi^2 + \pi^2}{4L^2 2m} = \frac{\pi^2 + \pi^2}{L^2 2m}$