This question is taken from:

[http://en.wikipedia.org/wiki/Maxwell–Boltzmann\_statistics](http://en.wikipedia.org/wiki/Maxwell%E2%80%93Boltzmann_statistics)





Question:

I don’t get why they first define



Where they say:





Then they say:



I don’t get the difference between the same energy defined by $ε\_{i}$ and degeneracy. From a definition I found of degeneracy it seems it also is ad efintion of energy level. Why do they define the energy level twice?:





