# Review Question (1.1-1.4) 

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## Problem 1

Consider two bosons, spin 1 with $\mathrm{m}=-1,0,1$
They occupy two single-particle levels with energies 0 and $\epsilon$
(a) Calculate the partition function
(b) Calculate $\langle E\rangle$ at $T=T, 0, \infty$
(c) Calculate $\langle S\rangle$ at $T=T, 0, \infty$

