Task Z Microstates a) Energy h ho / 0 E NE **b**) e BE microstates Where E is the total energy For a system with h sosons The first excited state, E = ne Also, there are (N) ways to choose h bosons on the excited State

The probability of find a specific

Particle of energy
$$\pm$$
 is

$$\begin{pmatrix}
N \\
E/E
\end{pmatrix} = E$$

$$\begin{pmatrix}
N \\
E/E
\end{pmatrix} = E$$

$$\begin{pmatrix}
N \\
N_E = D
\end{pmatrix}$$

$$\begin{pmatrix}
N_E \\
N_E = D
\end{pmatrix}$$

$$\begin{pmatrix}
N_E$$



