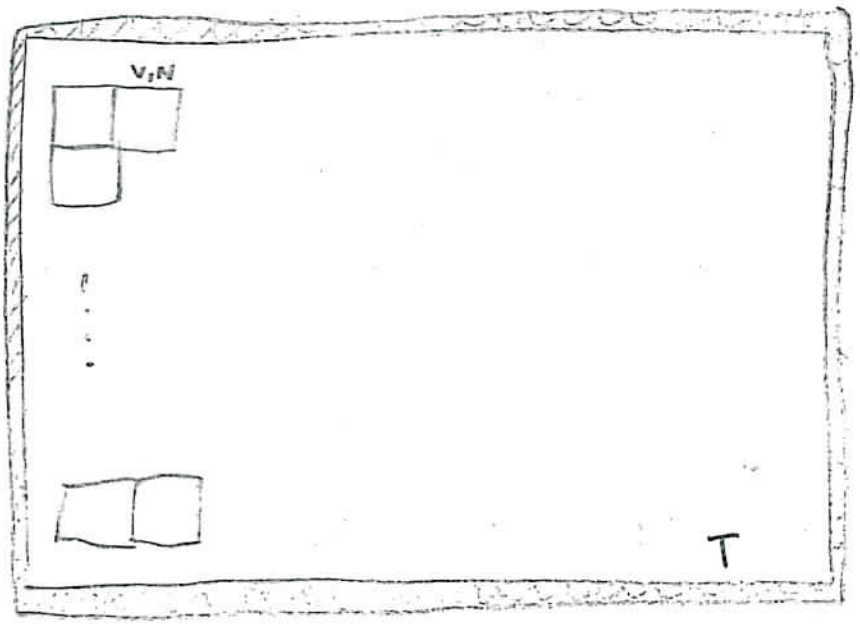

$\mathcal{E}, \mathcal{N}$

$\mathcal{E} = \sum_r n_r E_r$

$\mathcal{N} = \sum_r n_r$

$$\{\mathcal{E}, \mathcal{N}\} \rightarrow \{\{n_r\}^1, \{n_r\}^2, \dots \{n_r\}\}$$

$$W(\{n_r\}) = \frac{\mathcal{N}!}{n_0! n_1! \dots n_r! \dots} = \frac{\mathcal{N}!}{\prod_r n_r!}$$

↓ HAUETAKO EDOZEIN (MIKROEGOERA) BEHAREKO PROBABILITATEA =

↓ HAUETAKO EDOZEIN (BANAKETA) BEHAREKO PROBABILITATEA OC W

PROBABILITATEA $\{n_r\} \Rightarrow \{n_r\}_{max(W)} \equiv \{n_r^*\}$

$$\langle n_r \rangle = \frac{\sum'_{\{n_r\}} n_r W\{n_r\}}{\sum'_{\{n_r\}} W\{n_r\}}$$

$W\{n_r^*\} \gg\gg W\{n_r\} \quad \forall n_r \neq n_r^*$

$$\langle n_r \rangle \cong \frac{n_r^* W(\{n_r^*\})}{W\{n_r^*\}}$$

definitzen $P_r = \left.\frac{\langle n_r \rangle}{\mathcal{N}}\right|_{\mathcal{N}\to\infty}$

$$\Rightarrow \frac{\langle n_r \rangle}{\mathcal{N}} \simeq \frac{n_r^*}{\mathcal{N}}$$