Discrete Probability spaces

- SZ: Countable (finite on countably infinite)
- of Porobabilities to wooder with.
- Possible sousets of sample space.
- + 10, in fact we will be assigning Porobabilites
 to all sursets of sample space.
- 2 through one ST to start of ST
- # J = 2²
 - SZ = countable
 - $= \sum = \sum \omega_1, \omega_2, \ldots \omega_n$
 - Σ : $\int co^{1} \cos^{2} \cdots \cos^{2} \cdots \cos^{2} \cos^{2$

The Probability of each $A \subseteq S2$, in defined in terms of the Brokability of $P(S \cup S)$ of the singleton sources

$$P(A) = \sum_{\omega \in A} |P(\omega)|$$

and

$$\leq \mathbb{P}(\{\omega\}) = 1$$

- Porobabilities are alway's assigned to elements of J, not elements of
- But in discrete space it looks like we are assisting to each one of the elementary whomes. But that's not continued using the court that's not continued using the court of th