

```
A = even ontome 22, 4,63
     B=016 outome 61,3,53
     C = {3 or less 3 {1,2,33
     ANB = Ø
     Anc= 223
     A = 1 - event
     W. (For ex. 2) is elementary event
     Ø - imposible event
Def Cometime works, sometime does not work)
A probability is a function on the set of
ALL subsets of an outcome space
P: \mathcal{E} A: A \subseteq \Omega \mathcal{F} \Rightarrow A \Rightarrow P(A) \in \mathcal{E} \mathcal{O}, \mathcal{E} \mathcal{F}
such that
(1) \ ( \ \ \ \ \ ) = 1
(ii) A, Az .-- - countable collection of subsets
    of \Omega disjointed (A; \cap A; = \emptyset, \forall i‡]
that P ( U A; ) = = P (A;)
If I is uncountable = ) def losen. I work
Ex'. D = (0,10]
     P: { A: A & 123 > [0,1]
     s. t. P(A) = 1A1
     and def holds - NO
                    Labeque integral
```