Lectron 4

) Exp.: flipping a coin a times  $rac{1}{2} = S = \begin{cases} (H,A), (A,T), \\ (T,H), (T,T) \end{cases}$ (1/2) H P((H,H))=P((H,T)= LA EXP. is fair

Exp.: Polling 6-sided fair die 2 times E = Obs., 1 OR Z in either roll N = { cointains all pairs of (511) (515) (3,1)4,14) (4,4) (66)  $E = \{(1,1),(1,2),(2,1),(2,2)\}$ 

(3) N= { cointains all pains of 100 molls?, [-21-36 E = EatlEast ONE 1201 is a 43  $E = \frac{1}{2}(1,4),(7,4),(3,4),$  $P(E) = \frac{11}{36}$ (4,4), (54), (6,4), (4,1),(4,2),(4,3),(4,5), (4,6)?

(4) Exp. = Plip ~ coin 3 times E = observing heads in and flip

~= {(H,H,H),(H,H,T), (H,T,H), (H,T,Tb (T, H, H), (T, H) (T, T, H), (T, T, T)E= ? (H, H, H), (+,+,+), (T, H, H), (T, HT) 

(5) Exp.: flp fair ean 3 times Sub-Exp.: counting # heads in Exp. E= it comé up héads 2 finnés 2= [(H,H,H),(H,H,T),:..., (T,T,T)] = 2  $5 = \{0, 1, 2, 3\}$  $E = \{(H, H, T), (H, T, H), (T, H, H)\}$ P(E) = = - | E|