Lecture 8

$$\Omega = \{H, T\}$$
 $N = H$
 $N =$

Q = {w, , w2, w3 ... } s.t. Paw. 7)>0 -) w K(w) = supp [x] => P(fw3) =0 { W: X { W } = x , } / { W: X cw) = X = } + 0 x (Wo) = X, & x(Wo) = X2 p (XE Supp [X]) = P(CZ) =1 P((W: X (w) = X, 3 + { W: X (w) = X) F. .. PCX = X, 1 + PCX = X2) + ... = 1 AH THO $X_1 = \begin{cases} 1 & \text{if } w = H \\ 0 & \text{if } w = T \end{cases}$ Xz = Slif w= Red with probability Oif w= Greek * Port need to consider the underline 0 W.P = environment (D) Kn Bernoulli (=) := { | w.p. = Supp [X] = { 0,13 More generally, | X & Bernoulli (p) := { W.P.P. X is distribut Bernoullo with | * Possibility of I and O has mode! | Sum up to | * possibility of I and O has to



