Nguồn vài sac	Mas Des
1 Entropy	D Entres of Co
$D = \sum_{k=1}^{N} P(x_k) \log P(x_k)$	DEntropy vi phân $h(X) = - \int f(x) \log f(x) dx$
(2) En tropy Jong His	(D) Foton in in to it.
(2) Entropy doing that H(X,Y) > >	h(x) = - Sf(x,y) log f(x,y) fx dy
3 Entropy is the file	(3) Entropy vi phân is th
H(X Y) = - \(\sigma \) = - \(\sigma \) \(h(X)) = - [f(x,y) log f(x)y) pr dy
(1) M(1) X) = (1) Liby fin telling has give race	A(y/x) = - Sf(x,y) log f(y/x) &x dy (1) lelong for florg he girta ac nguón
Mutin	
Muén N M p(xx, ye) log p(xx, ye) N M p(xx, ye) log p(xx) p(ye)	I (x; y) = Sif(x; y) log = f(x) de dy.
De Mix) < log X = log N	
· DEN(X) Slog X = log N	· h(x) < log (2me of
	to the an
• M(X) = M(p) • Q < M(X) 4) \(\text{Y} \)	
0 < N(X) 4) < N(X)	· h(x)y) < h(x)
- US H(V(X) < H(V)	1(41x) < 1(y)
· A.C. A. MARINANA	
$\frac{N(X,Y) = Y(X) + N(J(X))}{N(X,Y)}$	h(X,Y) = h(X) + h(Y X)
$\frac{1}{2}$	= 4) + 4(14)
2 11(1) + 11(1)	$\leq h(x) + h(y)$
· 7(x, y) - W(x) - H(x1y)	5(V. Y) - h[V)-h(V)Y)
$= \frac{1}{1} $	- d/y) - l w/y/
= h(x) + H(y) - H(x, y)	= h(x) + h(y) - (ky)
< H(X)	s h(x)
(MCY)	(r)1)
/	Last and a landy with
- 11 bis 24 . 144	Start Start Harry
- A	U
	- Williams - Value on : 1/ 6 8
KILONG	