

THE RESIDENCE OF THE PROPERTY OF THE PARTY O Conditional Entropy The conditional criticity +1(x/y) is called corrierocation. It is defined as -> $|+|(x/y)| = \frac{2n}{2} \frac{m}{j=1} P(n_i, y_i) \log \left(\frac{1}{P(n_i/y_i)}\right)$ H(X/4) -> irefrerents uncertainty of X, on average when + is received. | *(1/x) = = = P(n; yi) log_ P(yi/n;) Tout Entropy -> The joint entropy H(X,Y) is given as) [H(X,Y)= = = m P(ni, 4;) log_ + toni, 4;) Problem -> compone the Huffman coding and Shannon-Fano coding algorithms for data compression. For a DMS 'X' with sin symbols or, nz --- no, find a compact code for every symbol if the P(04) = 0.3 , P(02) = 0.25 , P(03) = 0.2 P(n4) = 0.12, p(n5) = 0.08 P(n6)=0.05

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