Theory In formation

1) p(5/1%)	x-age	74	Trener	Total
P(X,y)=	X1 bel-w5		0.01 0.01	0.1
	X2 abreso	0.552 0.124.372=	26.020.0	0.5
		0.315		-

P:0.5 -> Enjo.5 1/1. P(4)= EP(X). P(41X)

P(5/X)= GHALLS CHE AID בנין בשיושונים ב (א) א

Hogo = LOSSM

H(x) = - & P(y;) log P(yi) = - (and by order + around by order) = 0.855 / hilling + around by order) = 0.855 / hilling + around by order) = 0.855 / hilling + around order | bithmi

b) H(5/x)=- EEP(5,x)[P(5/x) = H(x,5)-H(x)=1.246-0.460=0.777/ 111 = - (0.09 log 0.7 + 0.01 loy 0.1 + 0.225 loy 0.25 + 0.675 loy 0.75) = 0.7 +1

H(y)- H(y/X)=0.899-0.171=0.122 <) I(x,y)= & P(x,y) log P(x,y) =

upright Neuvons Po (5=4) = 0.75 -3 NA= P. (5=0) = 0.25 3 N2=

a) H(Po)=0.811//

-10.75loq0.75

100 | RN2 Markin Rin RNARNZ 0.75 3°.68 0.6 80x X1-M

+0.25 logo 25) 0.25 0.13 0.18 0.13 0.08 NJ K-03/2 (2) 3

M) H(x)=-EP(xi) log P(xi)=-[(0.8.0.75+0.2.0.75)log(")+(0.20.15)log(")] H(Na) = 1.500;) Lay P(yi) = - (0 g.0.75+0.5.0.25) log (11)+ (0.10.75) log (12)

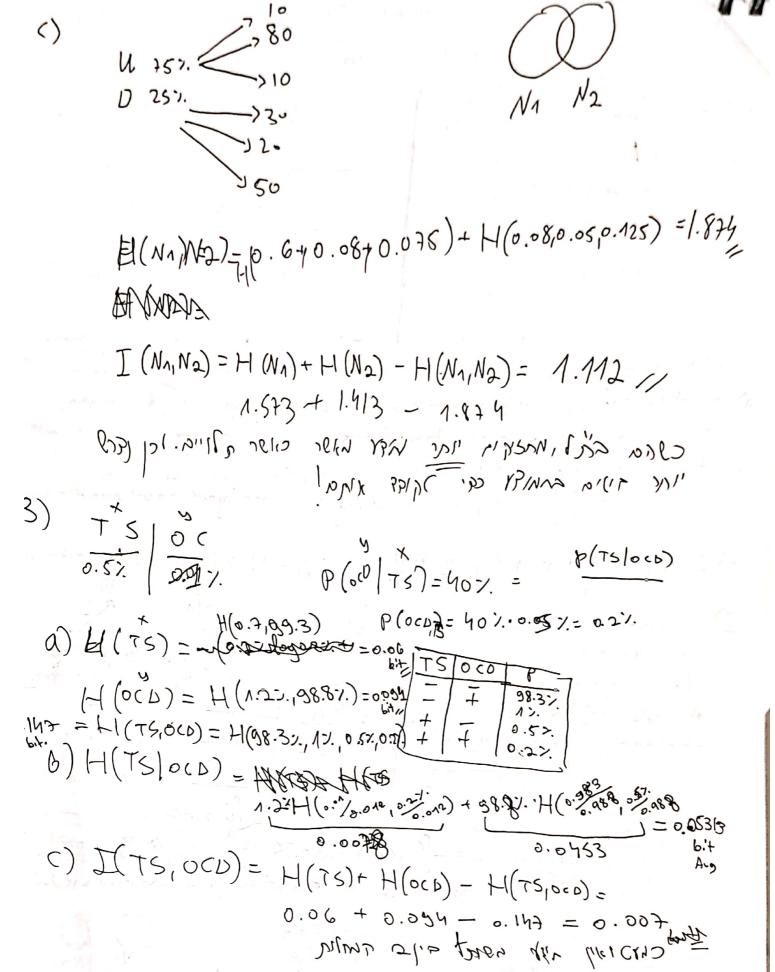
H(NN=1.573 H(N2) =1.4B

6) I(x,y) = Argy Argy = H(x)+H(y)-H(x,y) = 2.386, 1.523+1.413 Since they

Huax 4) = 26:4

five differently!

H(M) +(M) x44 201 1(67 12(41) 1 - (12 4.24.2) KS MMS Scanned with CamScanner



(11) (Spike count) = 10ms 0.5301 0.5 120ms = 0.5301 H(0.6x0.55+0.4x005)+H(0.6x0.36+0.4x0.01)+

H(0.6x0.36+0.4x0.05) = 1.5531/1

6.4

Any H(S,SC)-H(S) = 1.42-0.971=0.449/ MARIBONETH c) I(1018) = H(10) + H(5) - H(10,5)= 0.652116.4 H (195)= H(0.55) +HONG + ONAGA H(0.05) = 0.69/6.+ H(10) = 141(0.55) 1 0.4x H(0.05) = 0. Boly/ CARENOCOLAT I (30,5+im)= LI(30)+H(s)-H(30,5)=0.459, +1(30)=0.6x +1(0.35)+0.4x+1(0.25)=0.51811 H(30,5) = H(0.35) + H(0.25) = 103, (כיוה ש ביים ו לנען יותר תיבו השתם (שנות בצופה יותר) בל הבינוי.