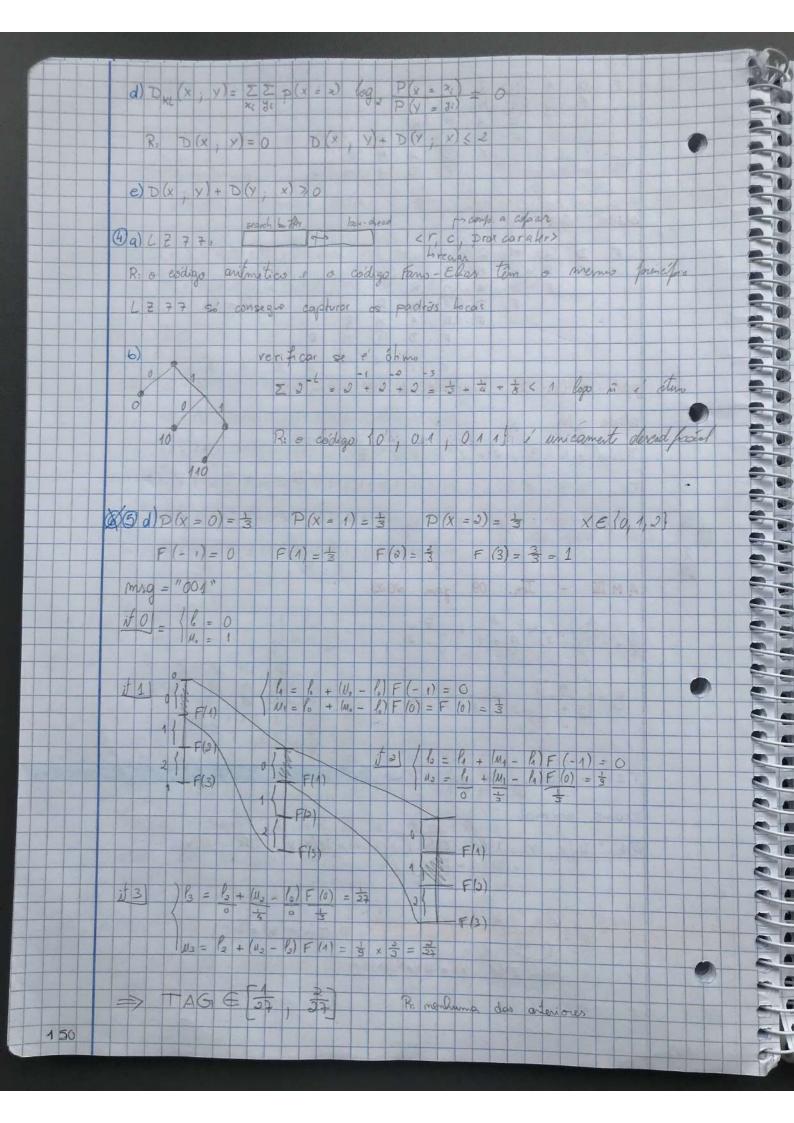
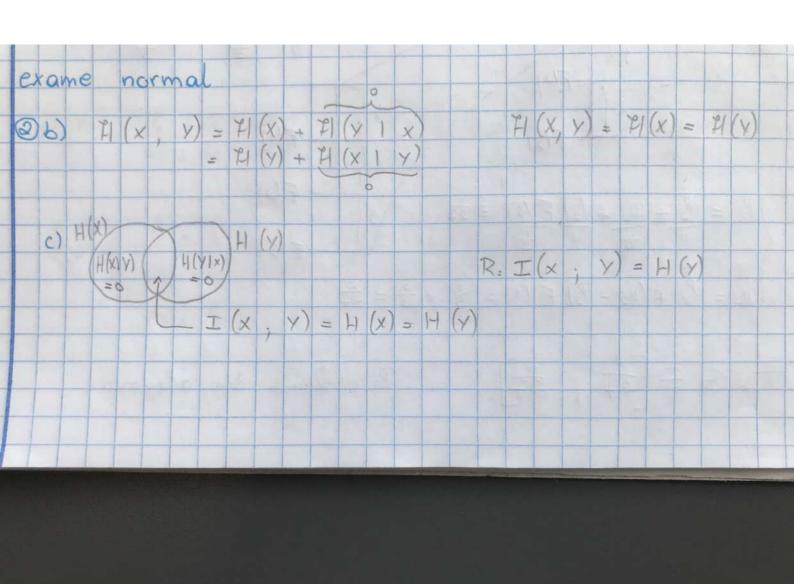


6. m E { h, £ } P(R) = \$ P(E) = 1 - \$ P(xi) = P(t, t, t, t, t, --, 19) = P(t) x p(2) = (1-4) + 2 H = - 2 P(x; bg, P(x;) $=-\frac{2}{2}(1-1)\times f\log_{2}(1-1)^{i-1}\times f$ = - f \(\frac{2}{4} - \frac{1}{4}\) \(\left(\frac{1}{4} - \frac{1}{4} \right) \\ \frac{1}{4} - \frac{1}{4} - \frac{1}{4} \right) \\ \frac{1}{4} - \ =- f log (1- f) \(\gamma\) (1- f) \(\gamma\) (1- f) \(\varphi\) (2-1) + f log \(\gamma\) \(\gamma\) (1- f) \(\varphi\) -1 F) S= {1, 2, 3, 4, 5, 6} F(0) = 0 F(1) = & F(3) = & F(4) = & F(5) = = = F(6) = = = 1 seale 3 = 0 44999 $\frac{1}{12}$ $\frac{1}{12}$ $M_1 = l_0 + (M_0 - l_0 + 1) F(3) - 1 = 63 = 01111111$ $\frac{1}{1} = \frac{1010100}{1111111}$ $\frac{1}{1} = \frac{1}{1} = \frac{$ 151





P (Y=log, 3 | X=0.5)=1 y=log (L)(+1) = log (H) = log & B p (Y= K | n=i)= leguin do o profice de entropio feedh no esercio antirio H(X,Y)=H(X) folo us mais que?

an normal trave Pecuso are passedo 1) 10 (X) = \(\frac{1}{2} \p(\chi = i) \log_2 (\frac{1}{2} \text{OKE} i)) -Xx 0- logg 2 + (1-a) lag 1 0,33 0,5 0,67 1 or R. Venhum das order eres OU excertor grands tom a meno probilidade H < log = # A = log 3 p(x=1)=p(x=1)=p(x=3) 6 H(x) 20 e H(X) 52 (Regrada cadeia: H(x,y)=H(x)+H(Y(x) Logo H(x,x) +H(x)+H(x|x) $p(x|x) = \{ (x,x) = H(x) \}$ H(XM) H(XM) 1(x,x)=H(x)-H(x|x)