K IOO KILL OI

: 1 m/c

H(P) = E(C,P) & : 1000

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 $H(p) = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows we make the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter that } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{shows the matter } p_i = -\sum_{i=1}^{n} p_i \log_2 p_i \quad \text{$

E(C,P)= & P. | C: | 1001 MIN - 1001 31 6 003000 1001

 $-\sum_{i=1}^{n} P_{i} e_{0}g_{2}p_{i} - \sum_{i=1}^{n} P_{i} \left(-e_{0}g_{2}k_{i}\right) \stackrel{\text{def}}{=}$ |low

 $\sum_{i=1}^{r} P_i \left(\log_2 k_i - \log_2 P_i \right) = \sum_{i=1}^{r} P_i \cdot \log_2 \frac{k_i}{P_i}$

 $log_{\alpha}b = \frac{log_{x}b}{log_{x}\alpha}$ ros

=) enz · ln Fi

: Pipri /1:100 "100 /1381 (138) /138 (nG) = X-1 w)

 $\frac{1}{evn2} \sum_{i=1}^{n} P_i \left(\frac{v_i}{P_i} - 1 \right) \leq 0 = \frac{1}{evn2} \sum_{i=0}^{n} V_i - P_i \leq 0$

 $\frac{1}{en2}\left(\sum_{i=0}^{n} \mathbf{X}_{i} - \sum_{i=0}^{n} p_{i}\right) \leq 0$

$$\frac{1}{2}$$
 $\frac{1}{2}$ $\frac{1}$

$$\frac{1}{\text{enz}}\left(\frac{2}{2} - \frac{1}{2} - \frac{2}{2} -$$

图

Si n

:2 2/100/

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תוכתה:

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(عدر عدر ۱۵۱۸ (ور ۱۹۵ (عربر) (x رام) اربار وراد).

اردر × که در ها می کرد. در ارمه می در کرده در می در کرد ולכן האל הראשונה על א וכלה להוג דומה.

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ין אחד חקידודים חיים להוג ההישון של השני יסתירה להנחה.

c(a) 3/100 Aby 60 2/1000 Kin c(a) 3/1000 PK (= X'=a: 387 (e 1207) (-1/k) /20 X=a: 1/1/20 11/k EID 3/20 (e 3/20) 3/k

E SEN

ly, ly, ..., ln ponker 310 min po c 310 pon 2 2 - li = 1 31c ple 310 c pk 2:000

- 100 PIP 2 PX 917917 (FD PX 1) Lev 1-2 1000

- 101 PIP 2 PX 917917 (FD PX 1) Lev 1 1-2 1 - 2 - 1 = 1

 $\frac{V}{V} = \frac{V}{V} = \frac{V}$

 $(2^{-(4)} + 2 \cdot 2^{-1} = 0)$