Instance	J1	fz	13	Toyet Class
	T	7	1.0	%s
2	T	т	6.0	Yes
3	T	F	S-0	No
Y	F	F	۷.۵	<b>%</b>
8	F	T	7.0	No
C	Ę	T	3-0	No
7	F	F	8.0	No
<b>₹</b>	T	F	7.0	Yes
•	F	Τ	₹-0	No

$$P(y\phi) = y/g \qquad P(x\phi) = s/g$$

$$E(s) = -\frac{\pi}{2} P_i \log P_i$$

$$E(S) = -P_{yep} \log_2(P_{yep} - P_{no} \log_2(P_{no}))$$

$$= 0.82 + 0.4711$$

$$= 0.9911$$

$$E(S) = 0.1911$$

formula

loga = loga

loga

Info Grain 
$$(f_1) = E(S) - \underbrace{\frac{|S_n|}{|S|}}_{ME(\tau, E)} \cdot E(S_m)$$

· calculating weighted Ago.

weighted any of fi

$$E(S_{T}) = -\left(P_{Tyen} \log_{2}\left(P_{Tyen}\right)\right) - \left(P_{Tno} \log_{2}\left(P_{Tno}\right)\right) \left(\frac{1}{1}\frac{|S_{T}|}{|S_{T}|} = \frac{4}{9}$$

$$E(S_{F}) = -\left(P_{Fyen} \log_{2}\left(P_{Fyen}\right)\right) - \left(P_{Fyen} \log_{2}\left(P_{Fyen}\right)\right) \left(\frac{3}{1}\frac{|S_{F}|}{|S_{T}|} = \frac{3}{9}$$

. Wighted Any 
$$f_1 = \frac{1}{4} \cdot E(S_T) + \frac{1}{4} E(S_T)$$

$$\Rightarrow \frac{1}{4} \left[ -\left(\frac{1}{4}\right) \left(\log \frac{1}{4}\right) - \left(\frac{1}{4}\right) \log \left(\frac{1}{4}\right) \right]$$

$$\Rightarrow 0.444 \left(-0.81\right) + 0.855 \left(-0.722\right)$$

$$\Rightarrow -0.76094$$

. Wighted any  $f_1 = -0.76094$ 

. Inf. pain  $f_1 = E(S) - \omega_{00}(f_1)$ 

$$= 0.9911 - 0.76094$$

$$= 0.23017$$

$$= 0.23017$$