age	p _i	n _i	I(p _i , n _i)
<=30	2	3	0.971
3140	4	0	0
>40	3	2	0.971

 $\frac{5}{14}$

age	income	student	credit_rating	buys_computer
<=30	high	no	fair	no
<=30	high	no	excellent	no
3140	high	no	fair	yes
>40	medium	no	fair	yes
>40	low	yes	fair	yes
>40	low	yes	excellent	no
3140	low	yes	excellent	yes
<=30	medium	no	fair	no
<=30	low	yes	fair	yes
>40	medium	yes	fair	yes
<=30	medium	yes	excellent	yes
3140	medium	no	excellent	yes
3140	high	yes	fair	yes
>40	medium	no	excellent	no

$$I_{n}f_{0}(0) = I(8,4) = -\frac{8}{12}|_{0}0_{2}(\frac{5}{12}) - (\frac{4}{12})|_{0}0_{2}(\frac{4}{12}) = 0.918$$

$$I_{n}f_{0}(0) = \frac{4}{12}I(2,2) + \frac{3}{12}I(3,6) + \frac{6}{12}(3,2) = 0.869$$

Aze	Pi	η_i	[(P(1)
430	2	æ	0.33
J1G	3	0	0
کحم	<u>ئ</u>	2	0.40
			0,4040

income	0.	n:	I(pini)
Heiry	1	3	0.270y
medin	2	3	0,4046
low	3	0	

Info.