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

student

$$\ln fo(D) > f(2,3) < -\frac{2}{5} \log(\frac{2}{5}) - \frac{3}{5} \log(\frac{9}{5}) =$$

Information (D)= 
$$\frac{2}{5}I(2,0) + \frac{3}{5}I(0,1)$$
  
= 0.528 + 0.444  
= 0.972

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

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	Pi	n,
fair	3	0
ek	0	2

Into()) 
$$9 - \frac{3}{5} \log_2(\frac{3}{5}) - \frac{2}{5} \int_{0.72}(\frac{2}{5})$$

Information (D7= 
$$\frac{3}{5}I(3,0)+\frac{2}{5}I(0,2)$$