age	income	student	credit_rating	buys_computer
<=30	high	no	fair	no
<=30	high	no	excellent	no
31...40	high	no	fair	yes
>40	medium	no	fair	yes
>40	low	yes	fair	yes
>40	low	yes	excellent	no
31...40	low	yes	excellent	yes
<=30	medium	no	fair	no
<=30	low	yes	fair	yes
>40	medium	yes	fair	yes
<=30	medium	yes	excellent	yes
31...40	medium	no	excellent	yes
31...40	high	yes	fair	yes
>40	medium	no	excellent	no

$$\text{class} \quad Info(D) = \sum_{i}^{n} p_i \log_2 (p_i$$
$$= I(8,4)$$
$$= -\frac{8}{12} \log_2 \left(\frac{8}{12}\right) - \frac{4}{12} \log_2 \left(\frac{4}{12}\right)$$
$$= 0.918$$