age	income	student	credit rating	buys_computer
<=30	high	по	fair	no
<=30	high	по	excellent	по
3140	high	по	fair	yes
>40	medium	по	fair	yes
>40	low	yes	fair	yes
		1,000	excellent	no
>40	low	yes	EXCERCIT.	
>40	low	yes	EXECUTE:	
>40 <=30	low	yes	fair	yes
-			fair fair	yes
<=30	low	yes	fair	yes
<=30 >40 <=30	low medium medium	yes yes	fair fair	yes
<=30 >40	low medium medium medium	yes yes yes	fair fair excellent	yes yes yes

## antropy

HINDORD AYERS - 
$$(\frac{7}{4}|092\frac{3}{4}+\frac{1}{4}|092\frac{1}{4}|$$
  
entropy  $51-40 = -(\frac{3}{4}|092\frac{3}{4}+\frac{1}{4}|092\frac{1}{4}|$   
entropy  $540 = -(\frac{3}{4}|092\frac{3}{4}+\frac{1}{4}-|092\frac{1}{4}|)$ 

nil student (7,N)

entropy  $y = -\left(\frac{5}{6}\log_{1}\frac{5}{6} + \frac{1}{6}\log_{2}\frac{1}{6}\right)$ entropy  $n = -\left(\frac{3}{6}\log_{1}\frac{5}{4} + \frac{3}{6}\log_{2}\frac{3}{6}\right)$   $\frac{3}{6}$   $\frac{3}{6}$ 

rootrode=0.093 AAZA

Credit\_rating <=0.8
entropy=0.918
samples-R