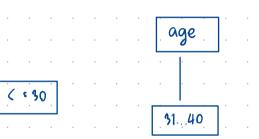
<u> </u>				
age	income	student	credit_rating	buys_computer
<=30	high	no	fair	no
<=30	high	no	excellent	no
3140	high	no	fair	yes
>40	medium	no	fair	yes
>40	low	yes	fair	yes
>40	low	yes	excellent	no
3/1A0	low/	yes	excellent	✓ yeş ∧
4=30 ✓	medium	\sim_{no}	fair VVV	no
<=30	low	yes	fair	yes
>40	medium	yes	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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31.40	٠, گ	0.	
>40	3	9	

Info (0) =
$$I(8,4)$$
 = $-\frac{8}{14}\log_{4}(\frac{8}{14}) - \frac{4}{14}\log_{4}(\frac{4}{14})$ = 0.918

Info age (D)
$$\frac{4}{19}$$
 $\frac{1}{19}$ $\frac{4}{19}$ $\frac{1}{19}$ $\frac{3}{19}$ $\frac{1}{19}$ $\frac{5}{19}$ $\frac{1}{19}$ $\frac{1}{19}$ $\frac{5}{19}$ $\frac{1}{19}$ $\frac{1}{19$

Information (0)
$$s = \frac{4}{12} T(9,9) + \frac{s}{12} T(4,1) + \frac{s}{12} T(9,1)$$

S

7.40