un Info

Info (D) = I (9,5) =
$$-\frac{9}{14} \log(2) \left(\frac{9}{14}\right) - \frac{5}{14} \log(2) \left(\frac{5}{14}\right)$$

= 0.94

in Infoage(D)

Infoage(D) =
$$\frac{5}{14}$$
 I(2,3) + $\frac{4}{14}$ I(4,0) + $\frac{5}{14}$ I(3,2)

$$L(2,3) = -\frac{2}{5}\log(2)(\frac{2}{5}) - \frac{3}{5}\log(2)(\frac{3}{5}) = 0.971$$

$$I(4,0) = -\frac{4}{4}\log(2)(\frac{4}{4}) - \frac{0}{4}\log(2)(\frac{0}{4}) = 0$$

I (3,2) =
$$-\frac{3}{5}\log(2)\left(\frac{3}{5}\right) - \frac{2}{5}\log(2)\left(\frac{2}{5}\right) = 0.971$$

unsen Info (D) =
$$\frac{5}{14}$$
 (0.971) + $\frac{4}{14}$ (0) + $\frac{5}{14}$ (0.971) = 0.694

un Gain (age)

un Info (D)

Info incame (0) =
$$\frac{4}{14}$$
 I (2,2) + $\frac{1}{14}$ I (4,2) + $\frac{4}{14}$ I (3,1)
I (2,2) = $-\frac{2}{4}\log(2)(\frac{2}{4}) - \frac{2}{4}\log(2)(\frac{2}{4}) = 1$
I (4,2) = $-\frac{4}{6}\log(2)(\frac{4}{6}) - \frac{2}{6}\log(2)(\frac{2}{6}) = 0.918$
I (3,1) = $-\frac{3}{6}\log(2)(\frac{3}{4}) - \frac{1}{4}\log(2)(\frac{1}{4}) = 0.811$

Unum Info (D) =
$$\frac{4}{14}$$
 (1) + $\frac{6}{14}$ (0.918) + $\frac{4}{14}$ (0.811) = 0.911

an Gain (incame)

trick terresure un info student (D)

Info Student (D) =
$$\frac{1}{14}$$
 I (6,1) $\tau = \frac{1}{14}$ I (3,4)

$$I(c_{11}) = -\frac{c_{1}}{2} \log(2)(\frac{c_{1}}{2}) - \frac{1}{2} \log(2)(\frac{1}{2}) = 0.592$$

$$I(3,4) = -\frac{3}{4} \log(2) \left(\frac{3}{4}\right) - \frac{4}{7} \log(2) \left(\frac{4}{7}\right) = 0.985$$

Which Info (D) =
$$\frac{7}{14}$$
 (0.592) + $\frac{7}{14}$ (0.985) = 6.789
un Gain (student)

Gain (student)

Info

Credit-rating (D) =
$$\frac{8}{14}$$
 I (6,2) + $\frac{6}{14}$ I (3,3)

$$I(C_{1}2) = -\frac{c}{8} \log(2) \left(\frac{b}{8}\right) - \frac{2}{8} \log(2) \left(\frac{2}{8}\right) = 0.8111$$

$$I(3,3) = -3 \ln(3) \left(\frac{3}{8}\right) = 3.8111$$

$$I(3,3) = -\frac{3}{6} \log(2) \left(\frac{3}{6}\right) - \frac{3}{6} \log(2) \left(\frac{3}{6}\right) = 1$$

unupi Info

Credit-rating (D) =
$$\frac{8}{14}$$
 (0.8111) + $\frac{6}{14}$ (1) = 0.892

un Gain Credit-rating)

