

Quiz 9.	n	y	n	y	y
	6	7	8	9	13

663020281-6 შესავალი სამა

6609

$$\text{Info}(D) = I(3,2) = -\frac{3}{5} \log \frac{3}{5} - \frac{2}{5} \log \frac{2}{5} = 0.971$$

$$\text{Info}_{\text{Info}}(D) = \frac{1}{5} I(0,1) + \frac{4}{5} I(3,1)$$

$$= \frac{1}{5} \left(-\frac{0}{1} \log \frac{0}{1} - \frac{1}{1} \log \frac{1}{1} \right) + \frac{4}{5} \left(-\frac{3}{4} \log \frac{3}{4} - \frac{1}{4} \log \frac{1}{4} \right)$$

$$= 0 + \frac{4}{5} (0.811)$$

$$= 0.6488$$

$$\text{Gain}(6609) = 0.971 - 0.6488 = 0.3222$$

$$\text{Info}(D) - \text{Info}_{\text{Info}}$$

662809

$$\text{Info}(D) = I(3,2) = -\frac{3}{5} \log \frac{3}{5} - \frac{2}{5} \log \frac{2}{5} = 0.971$$

$$\text{Info}_{\text{Info}}(D) = \frac{3}{5} I(1,2) + \frac{2}{5} I(2,0)$$

$$= \frac{2}{5} \left(-\frac{1}{3} \log \frac{1}{3} - \frac{2}{3} \log \frac{2}{3} \right) + \frac{2}{5} \left(-\frac{1}{2} \log \frac{1}{2} - \frac{1}{2} \log \frac{1}{2} \right)$$

$$= \frac{2}{5} (0.918) + 0$$

$$= 0.551$$

$$\text{Gain}(662809) = 0.971 - 0.551 = 0.42$$

$$\text{Info}(D) - \text{Info}_{\text{Info}}$$

ჩვენი $\text{Gain}_{\text{Info}} > \text{Gain}_{\text{Info}}$ $= \text{60714209}$