Gain (rainy, humidity) = 0.971 -
$$\left[\frac{2}{5}(-\frac{1}{2}log_{2}(\frac{1}{2})-\frac{1}{2}log_{2}(\frac{1}{2}))\right] - \left[\frac{3}{5}(-\frac{3}{3}log_{2}(\frac{1}{3}))\right]$$

= 0.971 - 0.951 = 0.02

Windy 3 weak 2.51rong

Ages 0.No 0.yes 2.No.

Gain (rainy, humidity) = 0.971 - $\left[\frac{3}{5}(0)\right] - \left[\frac{2}{5}(0)\right]$

= 0.971.

Split on Windy for the next mode.