outlook ves no # dinstances

1 Sunny 2 3 5

2 Overcast 4 0 4

3 Rain 3 2 5

G(outlook) = 
$$1 - \text{EP}(i|t) = 1 - \frac{2}{5} + \frac{3}{5} = 0.48 \text{ V}$$

G(outlook = overcast) =  $1 - \frac{4}{4} - \frac{2}{4} = 0$  \* purity Gini index

G(outlook = Rain) =  $1 - \left[ \frac{2}{5} \right]^2 = 0.48 \text{ V}$ 

