$$P(a_i \mid v_j) = \frac{n_c + mp}{n + m}$$

where :

$n$ : the number of records for wich $v = v_j$

$n_c$ : number of records for wich $v = v_j$ and $a = a_i$

$p$ : a apriori estimate for $P(a_i \mid v_j)$

$m$ : the equivalent Sample Size (is arbitrary, we use $m=3$)

$P(\text{مشمس} \mid \text{ذهاب لعب}) = \dfrac{3 + 3 \times 0.5}{5 + 3} = 0.56$

$P(\text{مشمس} \mid \text{عدم ذهاب للعب}) = \dfrac{2 + 3 \times 0.5}{5 + 3} = 0.43$

$P(\text{مرتفع} \mid \text{لعب}) = \dfrac{1 + 3 \times 0.5}{5 + 3} = 0.31$

$P(\text{مشمس} \mid \text{لعب}) = \dfrac{3 + 3 \times 0.5}{5 + 3} = 0.56$

$P(\text{مشمس} \mid \text{ذهاب للعب}) = \dfrac{2 + 3 \times 0.5}{5 + 3} = 0.43$

$P(\text{مشمس} \mid \text{مرتفع}) = \dfrac{3 + 3 \times 0.5}{5 + 3} = 0.56$

$P(\text{ذهاب لعب}) \times P(\text{مشمس} \mid \text{ذهاب لعب}) \times P(\text{مشمس} \mid \text{ذهاب لعب}) \times P(\text{مرتفع} \mid \text{ذهاب لعب}) =$

$0.5 \times 0.56 \times 0.31 \times 0.43 = 0.037$

$P(\text{مشمس}) \times P(\text{مشمس} \mid \text{مشمس}) \times P(\text{مشمس} \mid \text{مشمس}) \times P(\text{مرتفع} \mid \text{مشمس}) =$

$0.5 \times 0.43 \times 0.56 \times 0.56 = 0.067$

$\Rightarrow 0.067 > 0.037 \Rightarrow \text{مشمس ذهاب}$