Assignat -5

Hardit Probh 291058019

i) Apply the Decision tree regimes to develop the

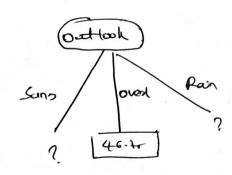
$$A \text{ vorge} = \frac{25+50+46+45+52+23+43735+36+46+62+}{14}$$

$$= \frac{40.07}{(25-40.07)^2+(30-40.07)^2+(48-40.07)^2+\cdots}$$

$$= 14$$

$$= 50 - 29.53$$

5.D Reduction for 0x60d = 9.53 - 7.76 = 1.77



## 2rd Step. (Suny)

i) temperts Atherte

$$SD(Sunmy mild) = \sqrt{\frac{6+4a+121-7-87}{3}}$$

2) Humder Athrite

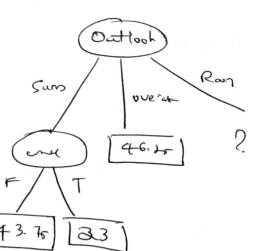
world 
$$JD = \frac{3}{5} \times 12.83 + \frac{3}{5} \times 14.5 = 10.52$$

(2) wit Attribte

Avera 
$$(sum, f) = \frac{45+52+48+30}{4}$$

$$= \frac{(3.75)}{50}$$
 $(sum, f) = 8.31$ 

weighted 
$$5D = \frac{4}{5} \times 9.31 + 0$$
  
= 6.648



Step 3.

.) Tempetiattrate

Arg (Rain, Falu) = 36.5 SD(Rain Falu) = 9.25 Arg (Rain, true) = 34.33 SD (Rain, true) = 9-87

:. wowhold SD = 
$$\frac{2}{5} \times 1.05 + \frac{3}{5} \times 9.67$$
=  $6.522$ 

:. 6D Reduction =  $7.78 - 6.722 = 1.265$ 

SD Tran, temp) =  $(4.16)$ 

SD (ean, hundrh) =  $3.32$ 

SD (ean, with) =  $1.268$ 

First Decision tree.

