الف > وای هر ادام از داردی ای دول حدول میداده ایمان ما واس مراسم:

Giri Index for Heavey:

Gini (Heavy= NO) = 
$$1 - \left( \left( \frac{r}{2} \right)^{\gamma} + \left( \frac{r}{2} \right)^{\gamma} \right) = \frac{11}{18}$$
  
Gini (Heavy= Yes) =  $1 - \left( \left( \frac{1}{r} \right)^{\gamma} + \left( \frac{r}{r} \right)^{\gamma} \right) = \frac{2}{9}$ 

Gini (Heavy) =  $\frac{1}{1} \times \frac{11}{10} + \frac{1}{10} \times \frac{1}{9} = \frac{1}{10} + \frac{1}{9} = 0.1899V$ 

Gini Index for Spotted:

Gaini (Spotlad = NO) = 1 - 
$$\left(\frac{y}{u}\right)^{2} + \left(\frac{y}{u}\right)^{2} = \frac{y}{2}$$
  
Gaini (Spotlad = Yos) = 1 -  $\left(\frac{1}{y}\right)^{2} + \left(\frac{y}{u}\right)^{2} = \frac{y}{2}$ 

Ginc (Sported) = 12 x 1/4 + 1/2 x = . 1544V

Gini Index for Smooth:

Gini 
$$(5mooth = NO) = 1 - ((\frac{r}{2})^{r} + (\frac{r}{2})^{r}) = \frac{1}{r}$$
  
Gini  $(5mooth = Yes) = 1 - ((\frac{1}{2})^{r} + (\frac{r}{2})^{r}) = \frac{r}{n}$ 

. The of Gaini of month smooth

Thisse Grain (Smooth) = ,9862 - (1/x1 + 1/x 1114) = ,9862 - ,70842

ىل	is Smooth = NO				
	Heavy	Spotted	Poisonous		
	No	NO	NO		
,	NO	Yes	NO		
Į	NO	Yes	Yes		
	Yes	NO	Yes		

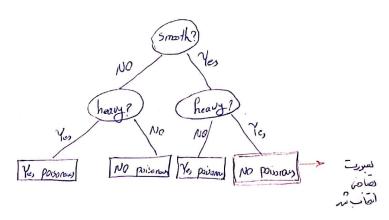
_	عرو ل	Spotted	Prisoners	
١	Yes	No	NO	10.
	Yes	No	Yes	
1	No	Nes	Yes	
	No	NO	Yes	

= 0/02AVD

Gini (Heavy -NO)= |- | = 0 Criai (Heavy = 75) = 1 - (( + ) + ( + ) ) = 1 + Gini (Heavy) = + x + + x = ./YW

Heavy Now (4)

لنا درادام بای رؤسیم واهم را - ا



5000 th= ye, 5pothed=No, Hawy=NO 15 July 8) 6912-1603

Lecon Can Lass Will all all Ellack

Yes Paisonows