



Column 4					
Class &					
$P(x=4 (10=0)=\frac{2}{2}$	5 = 0.4	(x=2 (16=0)=	1/5 = 0.2 P	(X=1 C10 = 0)=/5= 0.2
$P(x=3 \mid c_{10}=\varnothing) = \frac{1}{5} =$					
Mass 1 P(x=2 C10 = 1) = 1/5 =	P(x	=3 (10=1)= 0.2	P(x=4/c	(b = 1) = 0.4	
$P(x=5 _{10}=1)=0.2$					
Column 5					
Cluss Ø					
P(x=4) = 0.4	P(x=5)=0.1	4 P(x=3) =	0.2		
C u s< 1					
P(x=1) = 0.4	P(X=4)= 0.2	P(x=3)=0	6.4		
Column 6			Column 7		
Class &			Cluss Ø		
P(x=3) = 0.2	P(x=5)= 0.6	P(x=2) = 0.2	P(x=6) = 0	5, 4 P(X	= 1) = 0.6
(lass			Class 1		
P(x=2)=0.8	V(x=5) = 0.2		P(x=G) = 0.	9 P(x.	= () = 0,6
Column 8					
(lass 0					
P(x=0)=0.4	P(x=1)=0.6				

P(x=0) = 0.2 P(x=1) = 0.8P(x=0) = 0.4 P(x=1) = 0.6

$$\int (x=0) = 1$$

Column 2

$$M_o = 0.686323$$
 $G_o = 0.246122$ $M_o = 0.505554$ $G_o = 0.2597931$ $M_i = 0.435551$ $G_i = 0.274458$ $M_i = 0.510482$ $G_i = 0.353941$

Column 3

$$M_0 = 0.580936$$
 $M_1 = 0.27101$
 $G_0 = 0.394454$ $G_1 = 0.128953$

4) Class D = 0.00588	Olass 1: 0.0007646	
5) Class 0 = 0.00157 1137	Cluss 1: 0.0007 97	
b)(lass0 = 0.001658	Classi: 0-	
1) [4,4,3,0,1,0]		
P(x=0) = 0.0015362(0)	$(0.4)(0.2)(0.4)(0.6)(0.4) = 0.047 \times 10^{-3}$. Predict class &
P(X=1) = 0.0007749(0.6)	1(0.4)(0.6)(0.4)10.4) = 0.000178	
2) [25,5,0,1,1]		
P(x=0) = 6.001687(0.4)	(0.6)(0.6) (0.2)(0.4)(0.6) = 11.86 ×156 Pred	hict class p
P(x=1) = 0.000798(0.4)(1	0.8)(0.2)(0.2) = 10.2 \ X(\bar{\bar{\bar{\bar{\bar{\bar{\bar{	
3)[4,5,5,1,0,1]		
	(0.4)(0.6)(0.6)(0.4)(0.6) = 27.71×10°	
f(x=1) = 0.000198(0.4)[$(0.6)(w.z)(1) = 7.58 \times 10^{6}$	
4) [1, 3, 5, 1, 1, 1]		
P(x=0) = 0.001588(0	.2)(0.2)(0.6)(0.6)(0.6) (0.6) = 8.23×10-6	Predict class
P(X=1) = 0.0007646(0.1	1)(0-2)(0.6)(0-8) = 29.36 x 10-6	
5) [3,4,2,1,0,6]		

