Acyush 1. Pay 1cr 17 (5003

each of its possible values

ML Arrignmeil-2 IP3 determines the information gut for cour coundido (93) gain Hunridit [6+,1-] [3+,4] = 0.940-(8/19) 0.811 F= 0.985 E=0.592 - (6/14)09 Gain (s Hurridity) = 0.048 = 0.940 - (7/4)0,985 - (9/14)0,592 = 1.57 The information gain values for all admittules Guin (S, wind) 0.048 Gain (S, temp) :0.029 beil production play tennin over training example in released on the decinian altribute mode and branches on created betto- below to

1.0. Sunny over cont and rain



		Owtook				
	Sunny		Pan			***************************************
	V		3			
{D', D2,	D8 D9 D11)	overcant	{ 84,051	D6, D10, D14	;)	
[2+,3	-]		[3 r	2 - 1	·.)	
?		{ B3, D7, B12, D13]			
7		[4+,0-]		<u></u>		
		/\				
		Yes				
Juny = [D1, D1, D8, D9, D1]						
B	······································	/				7 (6K 2.)
Guh (Sunny, Hurridity) = 0.970 - (3/5) 0.0 - (2/5) 0.0 = 0.970						
Gain (Srain, temp) = 0.970 - (2/5)0.0 - (2/5)1.0 - (1/5) 0.0: 0.570						
gah (Sunny, wind): 0.970 - (2/5) 1.0- B/5) 0.918 = 0.014						
1 (2/3) 6 (3/3) 6 (3/3) 6 (3/3) 6 (3/3)						
Syrin = {DS, D8, D8, D10, D14}						
	(13)130)138	, 0,0, 5,195				
Cours (South Humidilla): 0,000 (21)						
Gain (Srain, Humidity): 0.970 . (2/5)1.0 - (3/5) 0.917 = 0.019						
Gain (Srain, temp) = 0.90 - (0/5) 0.0 - (3/5) 0.918 -(2/5) 1.0 = 0.019						
guir (Srain, wind): 0.920 - (3/5)0.0 - (2/5)0.0= 0.910						
		100				
	<u> </u>	001100	K)			
	Sunny		1			
		Over con	J.	3		
	Hunidity	Jen		wind		
fligh t		Nome	Strong L			
No	7	Per	No		Yes	
					/	
The complete decision						
140						