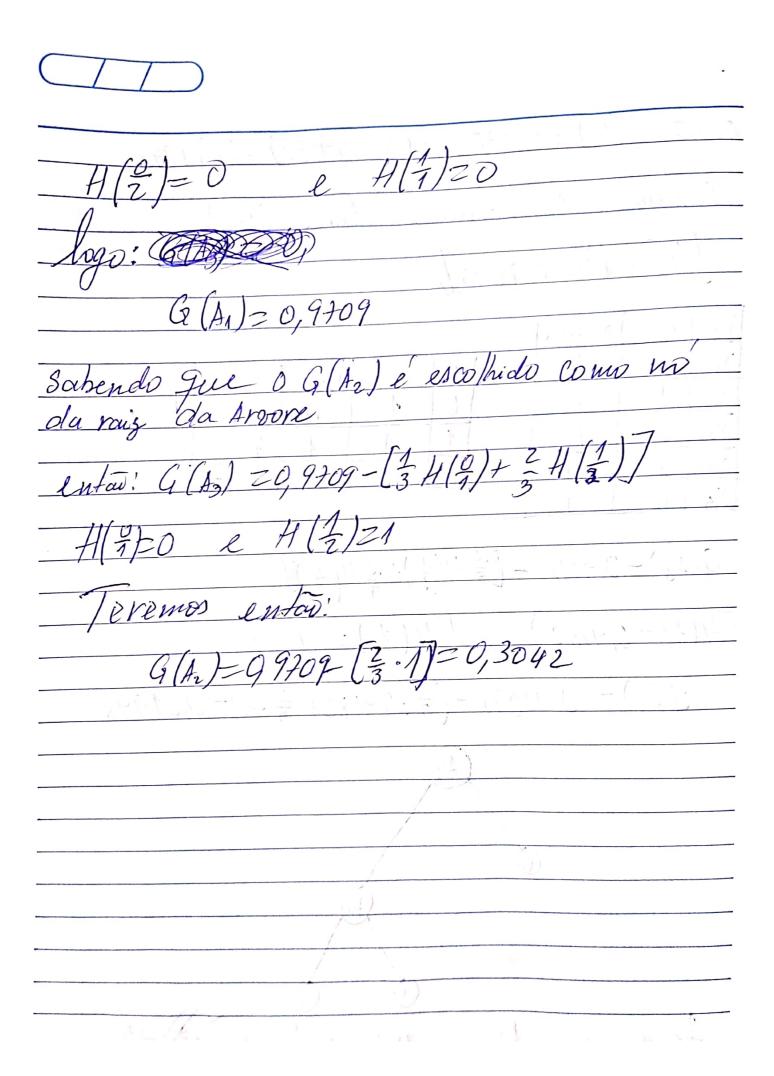


$G(A_1) = 0.9709 - \left[\frac{1}{5}H(\frac{9}{4}) + \frac{9}{5}H(\frac{9}{4})\right]$
$\frac{H(\frac{2}{7})_{-} - [\frac{2}{7}\log(\frac{2}{7}) + (1 - \frac{2}{7})\log(1 - \frac{2}{7})] = 0}{H(\frac{2}{7})_{-} - [\frac{2}{7}\log(\frac{2}{7}) + (1 - \frac{2}{7})\log(1 - \frac{2}{7})] = 1}$
teremos G(A)=0,9709-(4.1)=0,1709
para Calcular Az é utilizado es mesme paras usados pa em Az mate como
Hilizando Ma em no mansa
logo teremos: [H(Goal) = 0,97095
A Soida //
$\frac{x_2}{x_3}$
X 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A1 P(+) N(-) Total O O I I
1 2 2 4 Total 5
Sahendo que G(A2)=0,9+09-[3/(2)+3/(2)]
$fems$ $H(\frac{2}{2}) = 0$ e $H(\frac{2}{3}) = 0,9182$
tilibra

então G(Az) = 0,9709 - (2.0,9182) = 0,41998
(1) mesmo procedimento para 4(Az)
A second
H(Goal) = 0,9x095/
Ex. As Saida
x ₁ 0 0 A1 Pu No total x ₂ 1 0 0 1 2 3
×3 0 0 1 1 1 4
Xy 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$G(A_3) = 0,9709 - \left(\frac{2}{5}H(\frac{1}{3}) + \frac{2}{5}H(\frac{1}{2})\right)$
$H(\frac{1}{3}) = 0,9182$ e $H(\frac{1}{2}) = 1$
$G(A_3) = 0,97095 - (\frac{3}{5} \cdot 0,9182 + \frac{2}{5} \cdot 1) = 0,01998$
(A_2)
130
(Å)
Lendo obtido a arbore timos totos
G(A)=0,97091-[34(2)+34(7) tilibra



	-	
)

<i>r</i> .	4
P Wat a 'a 'a	Ä
Exercicio	1

7			
X	X2	Saida (4)	Entropia
0	0	0	(V), d, so / Su (
D	0	1.1	H(Goal) = B(\frac{p}{p+n}) = - \left[\frac{p}{p+n}\left] \left[\frac{p}{p+n}\right] + \left[\frac{p}{p+n}\right].
1	4	1	O_2
1	1	0	$\left \log \left(1 - \frac{P}{P+n} \right) \right $
			02.

P-2 e n = 2 Substituindo na formala temas que [H(Goal) = 1]

Calculando G(XOR) femos: G(XOR) = 1-[4+(1)+3+(1)]

Sabendo Que:

XOR	χ_{1}	Saida (4)				
	0	0	XOR	PGI	No	total
	0	1	0	1	1	2
	1	1	1	1	1	7
.(1)	1	0				Total = 4

 $\frac{H(\frac{1}{2})=1}{G(XOR_1)}=1-(\frac{2}{5}\cdot 1+\frac{2}{5}\cdot 1)=0$

	Every R
Para Calcular G(XDR,	
	- (() () () () () () ()
XOR X, Saida (Y)	101.151.0
1 O O YOR PUI	Ne Total
0-1	1 2
	Total=4
logo: G(XOR2) = 1-[= H(1)+2H	(1)
$H(\frac{1}{2})=1$	
G/VOD 1= 1-(2/1/7·1)=()	
G(XOR2)=1-(201+2.1)=0	
To the state of th	
Level 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	1= 4
	() () () () () ()
tilibra	