Madrine Learning HW5		
V	Date	No.
1 Using DFS, we know that the	we is 2 parties	(1=3 / 4=3)9 18
		- P (E 18) 3 100
$0 A \rightarrow E \rightarrow H \leftarrow$ $0 A \rightarrow E \rightarrow G \rightarrow$	IX CH CF	1 2 4
Both paths are closed	100	0 1 1
1) H* is not given, explaining	away	0 5
DI is not from explaining		0 1 2
Hence A & F are independ		0 5 1
However, Given C k I page	6 Geomes	
However, Given C k I park (2) A -> E -> 6 -> 1	HHLF	dell make
How With the new into for		10 50
parh @ is now open. I		8.0 4.0
A & F is now dependent		4.0 4.0
1 - 410 8	76 1	8.0 6.0
2. As all nodes to takes {1,23	s, we way	
thear them as boolean.	SEE, 0 8 (15.3	15-379 105
Join probability P(A I) =		
P(A) - P(B) - P(c) - P(E) A, B, ()	: 1+1+1+8	A) = (1= A) 9
· P(0) · P(6/E,D)		
	: (+4	0 190 190
	ren: and s :	+
	25 paramete	
4 4 8 8 8 3	20 70 0	A
When D & F takes 5 values		
P(A) · P(B) · P(c) · P(E A, B, C		8
. P(D) . P(G E, D)		0
	· 4 + 10	
P(F) · P(H E, F)	: 4 + 10	
· P(I 1 G, H)	: 4	+
	A3 0.0	ments u



