AHMED MAZAOI

Homework 3

0.7/ EM: application Single

A= + 1 B= b / C= c

1- la vraiserblace

L= TT p(A,B,C)

L(B,c)=71 &p(A,B,c)

log(1)= { lag { p(A,B,c)= { log { p(a)p(B)p(cha)}

lag(1)= { lag (A, {p(C,A,B)p(A))

2 - fordio assiliane

6m, c (210) = P(A=2 | B=b, C=c,6)

= P(A=a) P(B=b) P(C=c|A=a,B=b)

P(A=06) & P(B=6) & p(C-clA=0B=b)

= P(A=J)P(B=b)p(C=c/A=a,B=b)

= P(B=b) P(C=c/A=d, B=b)

= P(C=C/A=d)

2(on la fordion auxilianci

8 90. (0) = \(\frac{1}{2} \) \(\frac

Chop Quantity do MAJ

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P(AIB=b,C=c) & P(A,B=b,C=c)

P(AIb,c) & TTVABC

Edge e

Out organist (910)

O. el Quello la largue & ce mal

1-le malile grapher (R)

(2)

(2) Les paralles du madelle LEH, x EX, Les paramelhs sont p(1) ex p(x/x,1) or proce | h = l, / x = n d'on or a (l+2 "(l")= l+2 "l) parareles (3) Za vraisenblance P(X10)=TT & TT P(x 1x 1/2, 14,0) P(10) (4) pla marablace log(1) = 2 log(& Tp(x" | 2" + R)p(h)) O la forction anciliance 0x(HO)= P(1/x,0) = Tt p(k16)p(xx12=7h,0) East IT P(10) P(x/2/1/0)

(Po (0)= \(\frac{1}{2} \) \(

Experience de MAJ

etaper

Color = p(l/x')

Elge O = argner + (9,0)