X1 - 3 X3 - X2

1s XILXIXX)

= p(x11p(x2)p(x3/x1,x2) p(x1, x21x3) = p(x1, x2, x3) p(x3) p(x3)

+ p(x11x3) p(x2/x2)

50 XI #X2 | X3

FES Printer doesn't work, printes works failuse

Ces driver is corrupt, driver is not corrupt) PES printer 18 not plupped 10 computer, phapped)

EP es not enough paper, enough paper

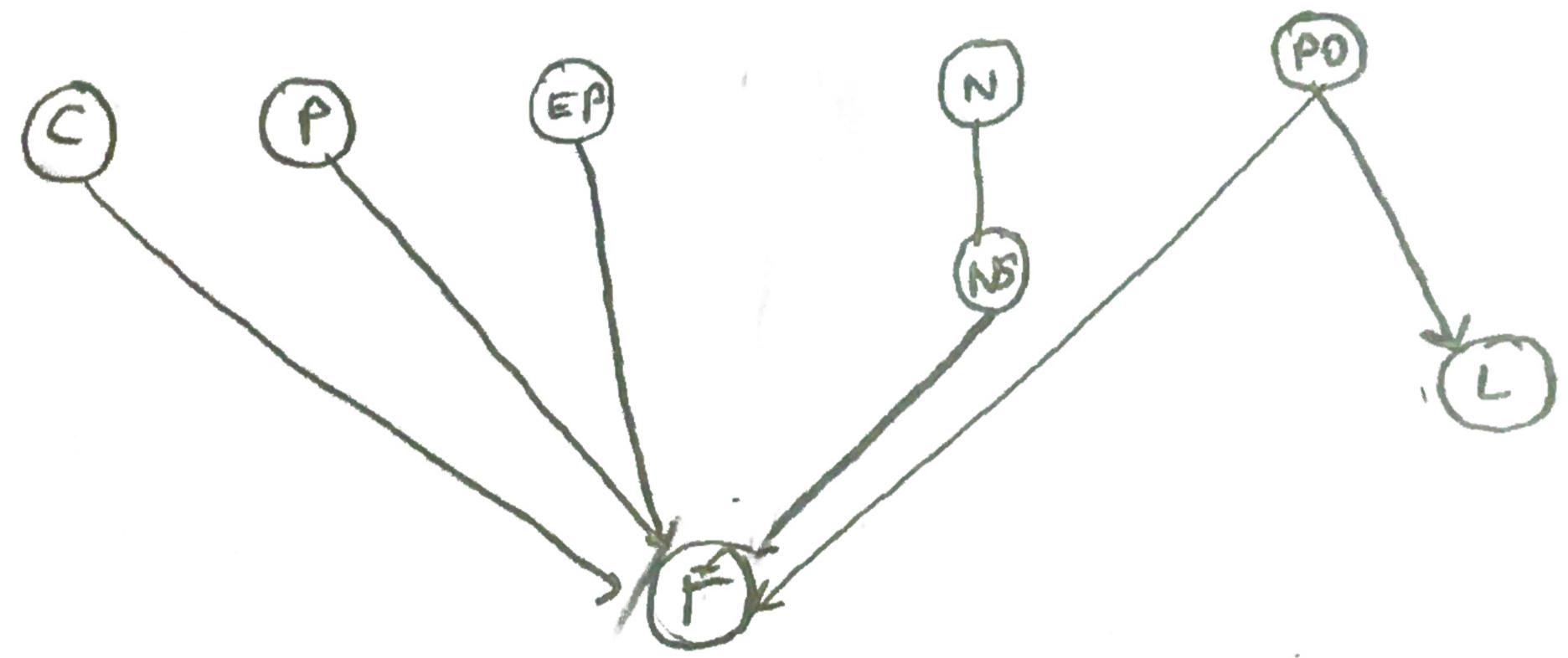
NES printer is network printer, or not)

driver corruptivess printer computer disconnaction inadequale paper network printer

NS El problem with network software, no problem with network softwarel no power

Po Esthere is no power, there is power! Lel no lipht, there is liphi!

no lipht



FN P(FIC, P, EP, NS, PO)

CN PCC)

PN PCP)

EPNP(EP)

NSNP(NSIN) NNP(N)

PO N P(PS)

L N P(LIPO)

problem

P(C, P, EP, F, N, NS, PO, L) = P(F/C, P, EP, NS, PO) P(C) P(P) P(EP) P(NSIN)

P(F) = Z Z Z Z P(FIC, P, EP, NS, PO) P(P) P(EP) P(C) P(RO)

N

P(F) = Z Z Z Z P(NS) P(N) P(N) Z P(L) P(D)

N

Part 21 a) Random Variables;

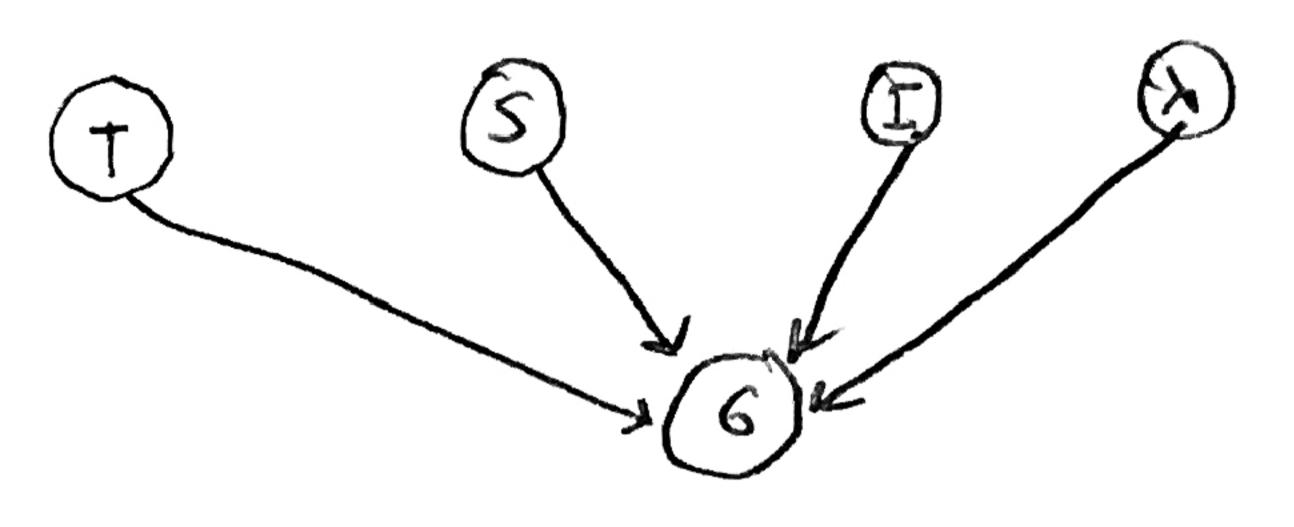
T E [Science, An] type

5 E [Sporty, Not sporty] sporty

I E [1111, Not : 11] Health

6
Parameter for the subject

The graph for each student , each subject & exam number.



Indicies; iEst. = .. 2001 Student SES Spoirs, Maths, History) Subject eest, 2)

exam

Girsie N P(Girsie | Ii, sie | Ti, Si, As) Sin p(Si)

As n p(As)

Ti N P(Ti)

c) p(6, I, T, S, 2) = TT p(6i,s,e|Ii,s,e,Ti,Si,2s)p(Ii,s,e)TTp(Ti)p(Si)Tp(2)
i,s,e

P(6, 2) = \(\sum_{\text{Ti-T200}} \sum_{\text{Si, \sum_{200}}} \sum_{\text{Ii-200, S,mh, 12}} \)