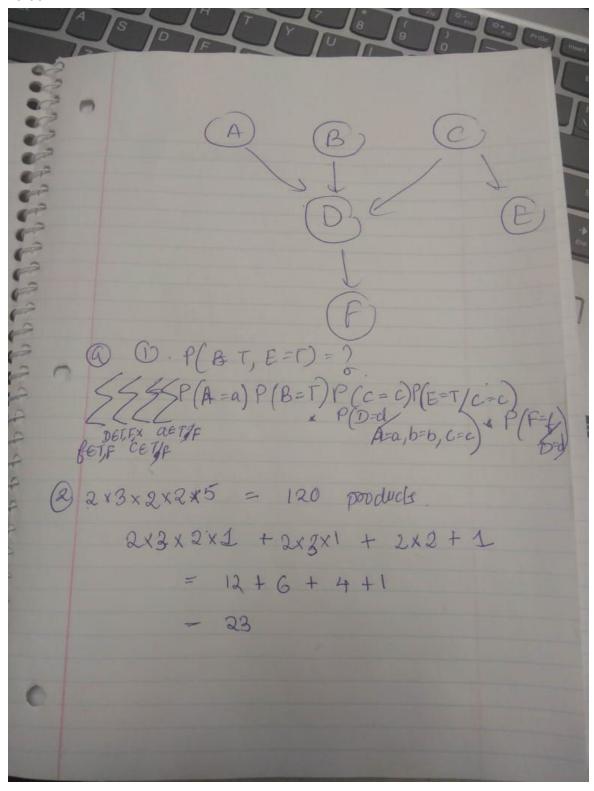
Assignment 7

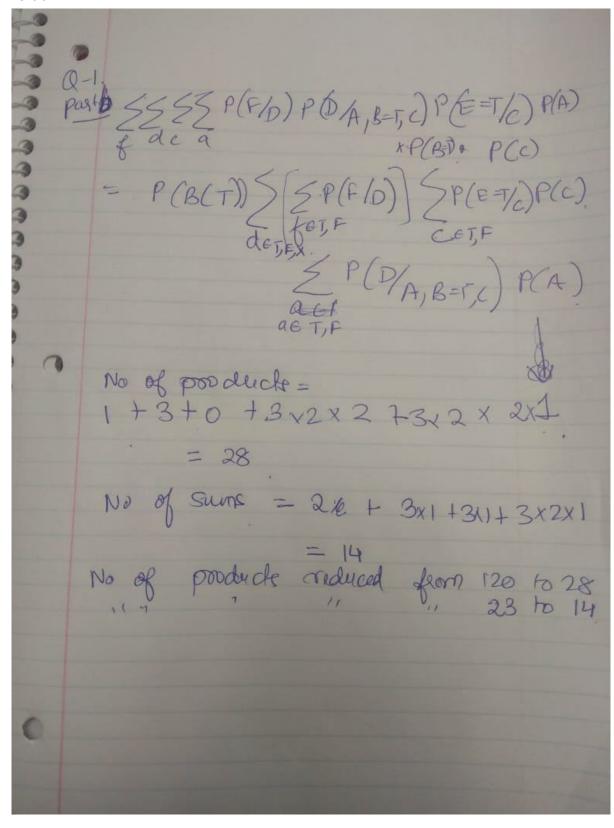
Swapnil Asawa, swa12

Question 1:

Part a:



Part b:



Part a Code submitted. ThethaFever =0.6060 ThethaPaleness = .5040 ThethaCough = 0.1160 ThethaHwbc = 0.5060ThethaPheunomia = 0.0200 Thetha0Fever = 0.6000 Thetha0Paleness = 0.5000 Thetha0Cough = 0.1000 Thetha0Hwbc = 0.5000 Thetha0Pheunomia = 0

Question 2

Thetha1Fever =
0.9000
Thetha1Paleness =
0.7000
Thetha1Cough =
0.9000
Thetha1Hwbc =
0.8000
Thetha1Pheunomia =
1

Part b.

Part b) P (prograt / Fine T, Pale = F, Cough = T, H WBC = F) = P (Ferer=T, Pale=F, Cough=T, Hwbe=F) R=J X P(R=T) P(Fever=T, Pade=F, congh=T, Hubc=F) = P (Fever=T/P=T)P/Pall=F/P=T) P (ough=T/Pn=T) * P(Husse= F/Pn=T) * P(Pn=T) P (Fever = F, Pale = F, cough = T, Hwbc = F) A HRIT # (Fever=TA Po=T) * # (Pale=F&Pn=T) *
Pn=T # Pn=T * # (Cough=T&. Pn=T) x #(Hubc=T&Pn=J) # Pn=F # (Port) / # (Fever = T& Pale = F, Cough=T, Hurtic

In Matlab main7 file, I put values Na=size(find(nemo(:,1)==1)) Nb=size(find(nemo(:,2)==0))Nc=size(find(nemo(:,3)==1))Nd=size(find(nemo(:,4)==0))Ny=size(find(nemo(:,5)==1))%bs=size(example) out=zeros(bs(1),1) Na=size(find(nemo(:,1)==1)) Nb=size(find(nemo(:,2)==0))Nc=size(find(nemo(:,3)==1))Nd=size(find(nemo(:,4)==0))Ny=size(find(nemo(:,5)==1))Naay=size(find(nemo(:,1)==1 & nemo(:,5)==1)) Nbay=size(find(nemo(:,2)==0 & nemo(:,5)==1)) Ncay=size(find(nemo(:,3)==1 & nemo(:,5)==1)) Nday=size(find(nemo(:,4)==0 & nemo(:,5)==1)) NNNN=size(find(nemo(:,4)==0 & nemo(:,1)==1 & nemo(:,2)==0 & nemo(:,3)==1))NN=size(find(nemo(:,1)==1 & nemo(:,3)==1))R=(Naay).*(Nbay).*(Ncay).*(Nday)./(Ny)./(Ny)./(Ny)./(NNNN)

Ans: 0.0608

Matlab main file I have put value

R2=(Naay).*(Ncay)./(Ny)./(NN)

Answer:0.2077

Part d;

Code submitted.