1=True O=False a) (ANB) (ANB) ABO i) Input A= X1(wxla) + X2(wx2a) + X3(vx3a)+1(whla) = ,3(.4) + .8(.4) + .1(.4) + .3 b) Output A= 1+e-19put = 1+e-18 = [.686] Input B= X1(wx16) + X2(wx26) + X3(wx36) + 1(wh16) = .3(-.2)+.8(-.2)+.1(-.2)+.3 Output B= [+ = uper 1/6-102 + 3= .06 Input C = A(wae) + B(wbc) +1(wh2c) = .686(.41)+ .515(-,2)+.3 = .2744+-.103+.3 = .47/4 Output C = 17e input = 17e - 4714 = [.616] a) DC=(1-.616).616= DA=(.685)(1-.685)(.4)(.0908)=[.6078 AB = (.515) (1-.515)(-2)(.0908) = [-.00454] b) AWac = . 2 (.0908) (.685) = . 0124 + . 4 = [4124] △Wbc = .2(.0908)(.515) = .0093+-2=-.1907 .00038365 Dwhlc = .2(1) (.0908) = .0182 + .5 = [3182] c) Diga= .2(1). 685(1-.685)(4124)(.0908)-.00016/62,4-[4001] Dwall = (.2)(.8)(515)(1-515)(-.1907)(.0908)=-,000692-2=-,200 Duxla= .2 (.4124) (.0908) (1-.685) (.686) (.3) = .0004848+4= [.40004648] Dr. 16= ,2 (.4) (.515) (1-.515) (-.1407) (.008) = -.000346-2= -.20030 Dwx2a= ,2(8)(606)(1-.685)(.4124)(.0408)=.0012928+,4=1401291

Augh = .2(1)(.515)(1-.515)(-.1907)(.0908) = -.000087-2-[-.200087]

Dwhla = .2(.685)(1-.685)(.4124)(.0908) = .00162+,3=[.30162]

Dwhlb = .2(.515)(1-.515)(-.1907)(.0908) = -.000865-,3=[-.300265]