(c) - Hx=14(P(x,y)->>P(y,x)) = 国双Yy(¬(P(xin)) > ¬P(yx))) de (nonganis Law) = AXYy(7(P(Xiy)V7P(yix))) Law of implication = 3x yy (P(x,y) A P(y,x)) de Moroponis Lan There exists an activity 1x, which is more fun than Own activities, and all altivities are more fun thom & (d) THXAN ((b(x,n)DDQ(N))+> JESQE>) = -1 YXYy (-(P(X,y) & Q(1y)) V > = 72 Q(2)) Law of implication = 3034 7 (7 (P(xin)) DQ(y)) V 7 72Q(Z)) ( de Mangonis = 7x79 [[P(x,y) (DQ(y))] 1 72 QE)). ] da. There exist a course 1x and a course y, 1x is a pre-requisite for Course y that I'm not taking, or X is not a pre-requisite for y that I'm currently taking, meanwhile there exists a course 2 that I'm taking