



Date: For part (e) we have the following table. This time we have omitted the column explicitly showing the negations Date: have omitted the column explicity is telling P & g. Note that this true propositions is telling statement & its contraportive always have to we have The fact that this propositions is not always true tells us that knowing a conditional statement in one direction does not tell as the cli the conditional statement is true in the other direction fro. 1 > "I don't know" las acygne P2 -> I don't know hants coffee? P3 -> (No, not everyone want coffee. X The hostess came back I gave coffee to P who want It. How she figure and use De sugar's laws to find the negation of each Recall to following statements. hypothes a) Jan is rich & happy. to show D) Carlos will breycle or run tomorrow alternativ ( ) lei walks or takes the bus to class. given d) Ibrahim is smart a hard working De Margan's law tell us that to regate a conjunction 2nd m form the disjunction of the negations of the negations. a) conjunction to the regation is "Jain is not rich, or Jan is not doppy" b) disjunction & the negation is 'C. will not bicycle or run temorror" he can also ye c) disjue fo the negotion or "Thei doesn't halk and thei doesn't take the bus The 1 d) conjunction of brahim is not hard working." the ro the law h











