LAB-0 Entailment. Knowledge Base .. M(nitce, Bob) 1. Alice is the matter of Bob 100 F (Bob, Charles) 2. Bob is me former of charte Vx (Folher(x,y) -> forent(x,y)) Yx (Momer(x,y) -> Povery (x,y)) 3. A Johner is a porend 4. A moner it a porent Yx(Parent(x,y) - child (y,x)) 6. If someone is a povent, their children one siblings => (sovent (ay) ) Porent (7,2) A 7. Airce is married to Daird. . Married (Airce, David) (g # 2) - g, blog(y,2) Step by step solution 1. Hyporhesis: "Charlie is a sibling of Bob" - sonsidering shatements I'd 4, we can conclude that Alree is a parent -, Congrolling protenients 2&3, we can conclude that Bob is parent of charlie => Parent (806, Charle) - Considering statement 6, we say that if children are siblings then they must have a common parent. considering statement 182, (Alice is a perent of Bob & Bob is a parent of charite), we can say that Bob and charite don't have -) Therefore, charite & Bob one not siblings. hypotheries a charine is a sibing of Bob" is not enhanted no knowledge base.