PAGE: > Eheck for entrilment: 1. If A(Alice is mother of Bob) is true then

B (Bob is the father of charlie) must also be true

(A -> B) 2. If B is true then CCBob is a parent) must also true (F>F) & M(Alie is a parent) purst also be true (M>P) 3. If both Alice & Charlie are parents (i. e H&F

are true) then & (their children and sibling)

must be true. (P>S) 4. Since Six true, the hypothesis Q (" Chanlie is silling of Rob") is true. Using Propositional logic we can conclude the hypothesis "Charlie is a sibling of Bob" is entayled by KB Cknowledge Sase.