## Lab-7 had had this

Premise from knowledge bake

- 1. Alive is the mother of Bob
- 2- Rts Bob is the father of Charles
- 3. A father is a parent
- 5. All parents have childen
- 7. Alice is married to Pavil.

Hypotheris:

Charlie is a sibling of Bob

- Alice is the mother of Bob, concludes that Olice is a parent
- 2. Bob in the father of Charlie, concludes that Bob is a parent.
- 8. 5th premise says all the parents have children stating that Alice Kos a child naved Bob and Bob had a child naved challe
- parent, their children are siblings which nears that as spair of siblings have attent one common parent.
- 5. It is given that Alice is married to Dowid, proving that Bob is only the shill pt Alice.

charlie do not howe a common povent which does not make Bob and Charlie siblings. of Bub" is not entailed by the knowledge base Since Alice is the posent of Bob and Bob is the parent of Charlie, based on this transitivity Office is the purent of Charlie, and since all children of a parent are siblings. Bob and Charlie Conclusion: The hypothesis "Charlie is a sibling of Bob" is entaited by the knowledge bee. extra constant