Backward chaining

for international travel (x). THEN they are eligible

IF someone eligible for international travel (x), then they can book a Hight (x).

le someone books a Hight (x), THEN they can travel to a poveign country (sarah)

- Garah has a passpore

Inference, rules

- 1. And Elimination: it lets you take apart a stalementake " AND B ANDB" to figure out if " +" or " B" is true.
- 2. And Introduction: it allows you to combine two superate ctate ments "" and "B", into one statement " AANDB
- 3. Or Antroduction: It-you have "A" and "B", you can say "A or B" is true, with our specifying which one.
- 4. Double Negation: 16 lelps you get rid double negatives

 (Not (NOTA) " into just "A"
- 5. Unit fesolution: when you have two crauses with operate facts, you can use unit resulution to get rid of both, simplifyin the logic,