



Backward Chaining

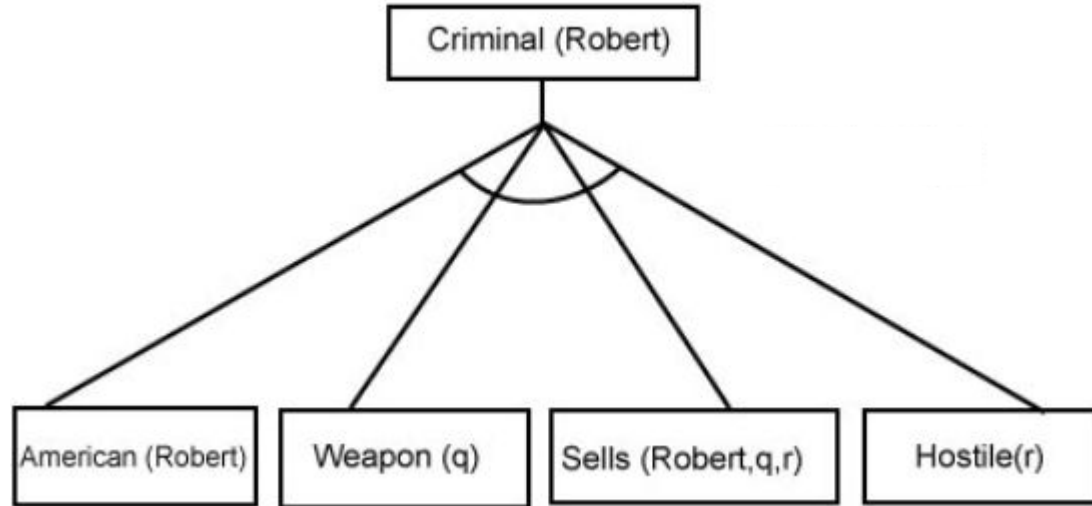
Step 1

Criminal (Robert)



Backward Chaining

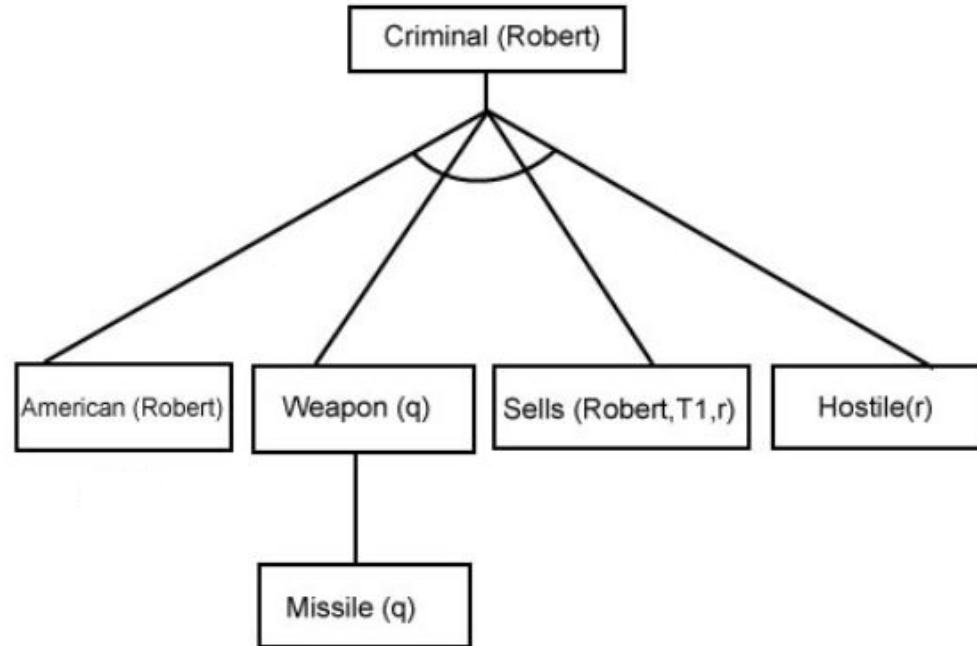
Step 2





Backward Chaining

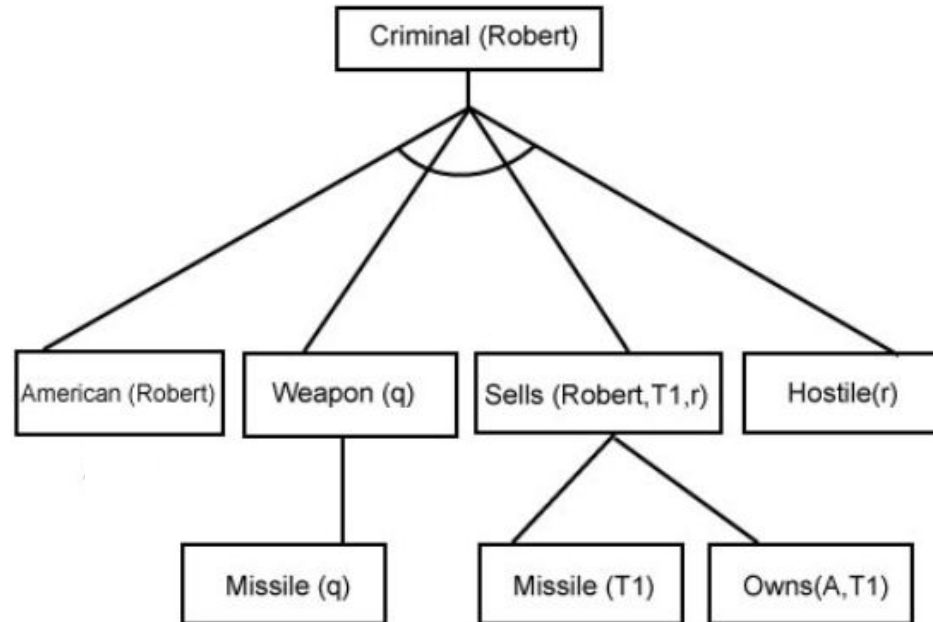
Step 3





Backward Chaining

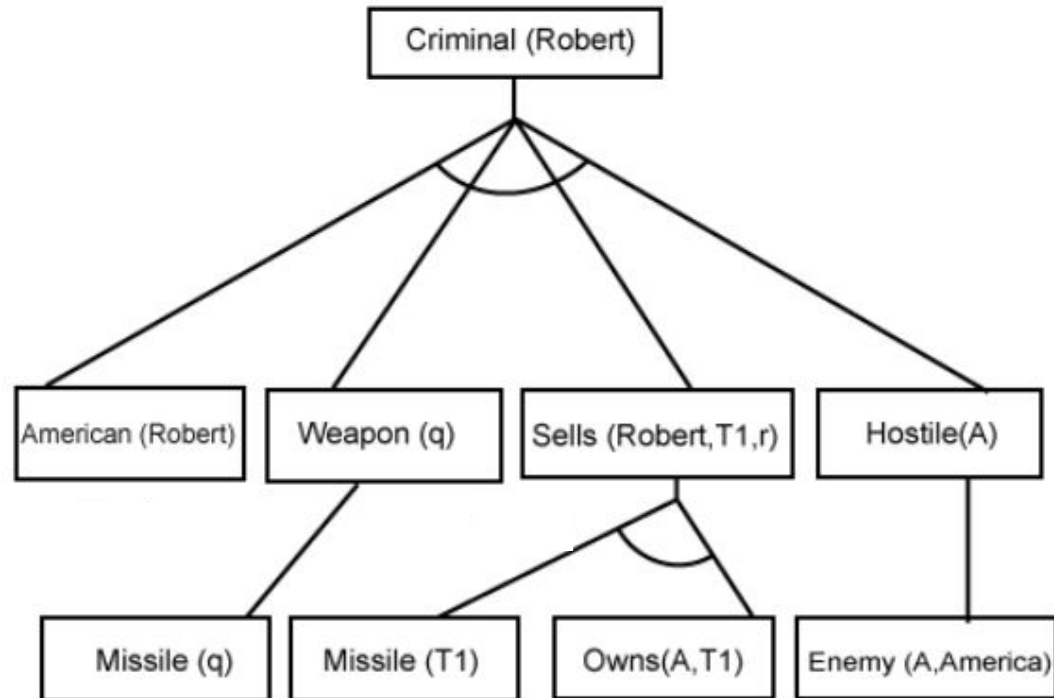
Step 4





Backward Chaining

Step 5



Backward Chaining



- It is known as a top-down approach.
- Backward-chaining is based on modus ponens inference rule.
- In backward chaining, the goal is broken into sub-goal or sub-goals to prove the facts true.
- It is called a goal-driven approach.
- Backward -chaining algorithm is used in game theory.
- The backward-chaining method mostly used a **depth-first search** strategy for proof.