**Artificial Intelligence - Logic Test Practice Questions**

Example problems for Chapters 7-9.

1. Run forward chaining on the following Knowledge Base:

A diagram of a circular object with arrows and a circle with arrows

Description automatically generated

Use the following algorithm:

A computer code with text

Description automatically generated with medium confidence

2. Run backward chaining on the following Knowledge Base:

A diagram of a circular object with arrows and a circle with arrows

Description automatically generated

3. Convert the following KB to CNF:

4. Run the resolution algorithm with the given KB:

and

Use the following algorithm:

A screenshot of a computer code

Description automatically generated

5. Run DPLL on the following clause:

Use the following algorithm:

A screenshot of a computer program

Description automatically generated

6. Convert the following sentence to CNF:

**See** [**chapter09.pdf**](https://cs.fit.edu/~dmitra/ArtInt/TextSlides/chapter09.pdf) **slides 24-39 & slides 43-46 for forward chaining, backward chaining, and resolution in FOL.**