MiniProject - Solve Eight Queens Puzzle Using Prolog

Requirements

The miniproject aims to solve eight queens puzzle through Prolog. The project report(at most 8 pages) shall include:

1)Program;
Description: You could either follow the program provided in my lecture or offer a new solution to the eight queens puzzle.

2)Illustration for each clause;
Description: You need to interpret the meaning behind each clause and why it shall be written in that way. You could refer to page 44 on *Prolog* slides.

3)Program execution;
Description: You need to provide a diagram to show how Prolog handles the query. Since the execution is quite complicated and the tree would be branched a lot in this program , you need to draw only a partial branch of this diagram. You could refer to page 11 on *Prolog* slides.

4)Program output.
Description: You could supply only a few solutions, not all of them.

Group Size

At most 4 students per group.

Possible Consultants

TA or Lecturer for an appointment by Email.

Deadline

One week before the examination.

Where to submit the report

Lecturer's email box(yfzeng@cs.aau.dk) using title:MED6-Miniproject.
You will receive an acknowledge letter;otherwise, pls. remind me.

How will you be examined

Both examiner and censor may raise any question concerning the project report and relevant topics. For example, "why did you use this formula(bla,bla,$\cdots$) instead of others(bla,bla,$\cdots$)?", "What is the consequence if we change the formula(bla,bla,$\cdots$) as this one(bla,bla,$\cdots$)?", "Pls. convert the formula(bla,bla,$\cdots$) into a normal form." and so on. Probably, the examination(on logic programming part) will take 10 minutes.