

For the lab exercise in week commencing 1st March:

1. Download the program nqueens2.pl from my web page. This is the original program and version with solution template discussed last Friday. Use trace to get an idea of how the programs work. Solutions can be found with

```
solution(X), length(X,8).
```

```
template1(X),solution(X).
```

```
template(2),solution(X).
```

The first two will take a long time, so you may wish to terminate the execution before it completes.

2. Modify the program to compute the 4-queens problem. You will need to change the two lines with member and the solution templates. These programs should finish in reasonable time. Compare the execution times.

3. Type in the example programs with cut from Friday's lecture. Use trace to see how cut works.

4. Experiment with different positions of cut.