<div align="center">

Solution notes

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Comparative Programming Languages 2005 (MR)
Paper 3 Question 4, Paper 10 Question 5

The course now has four extra lectures to cover Prolog. This is insufficient to expect students to be competent, so this question just tests for competence in understanding a Prolog program.

```
a) H=a    T=[b,c];
   H=b    T=[a,c];
   H=c    T=[a,b];
   No
   s successively instantiates H to and element of its second
   argument, and T to the remaining elements.

b) Q=[a];
   No

c) Q=[a,b];
   Q=[b,a];
   No

d) Q=[a,b,c];
   Q=[a,c,b];
   Q=[b,a,c];
   Q=[b,c,a];
   Q=[c,a,b];
   Q=[c,b,a];
   No

e) p(X,Y) is satisfied if list X is a permutation of list Y.
```