2004 Paper 13 Question 11

Natural Language Processing

(*a*) Give brief definitions of the following terms:

    (*i*)   referring expression;

    (*ii*) cataphora;

    (*iii*) pleonastic pronoun.

[6 marks]

(*b*) Describe the Lappin and Leass algorithm for pronoun resolution, illustrating its operation on the text below. Exact weights for salience factors are *not* required.

> Owners love the new hybrid cars. They all say that they have much better fuel economy than conventional vehicles. And it seems that the performance of hybrid cars matches all expectations.

[14 marks]