2000 Paper 8 Question 9

Natural Language Processing

> The house was beautiful – Kim and Sandy especially liked the windows.
> They wanted to buy it, so they rang the estate agent.

The preceding narrative contains several types of anaphoric relation between pronouns or definite noun phrases and discourse antecedents. Identify them.

[4 marks]

Describe how they might be recovered using either statistical or knowledge-based techniques. [6 marks]

What are the relative advantages and disadvantages of each approach? [10 marks]