Answer to Ambiguous Sentences in English

1. The mouse and the cat chased the dog. (1 tree)

```
S
  NP                   VP
    NP                C    NP
       D    N    and    D    N
         NP        D    N
             NP
The    mouse    the    cat    the    dog
```

2. The mouse saw the cat on the mat with the hat. (5 trees)

```
S
  NP                   VP
    D    N    V    NP
         NP        PP
             D    N
                 NP
                     D    N
                        NP
                            D    N
                               NP
The    mouse    saw    NP    PP
                   D    N
                      P    NP
                          D    N
                             NP
                                D    N
                                   D    N
                                      NP
                                          D    N
                                             D    N
                                                NP
The    mat    with    NP    PP
                   the    hat
```

1
The mouse saw the cat on the mat with the hat.

The mouse saw the cat on the mat with the hat.
The mouse saw the cat on the mat with the hat.

The mouse saw the cat on the mat with the hat.
3. The dog chased the cat and the rabbit with the mouse. (3 trees

```
S
   NP
   D N V NP
     The dog chased NP C NP
        D N and NP PP
           the cat D N P NP
                          the rabbit with D N
                                         the mouse
```
The dog chased the cat and the rabbit with the mouse.