

[21606002]



Figure 10: A parse tree for the sentence "He said the company has cut operating expenses by about 10% over the last few quarters, while maintaining research and development at about 8% to 9% of sales." The tree shows the hierarchical structure of the sentence, with nodes labeled with grammatical functions (e.g., ARG1, ARG2, BV, compound) and arcs indicating the relationships between them. The sentence is segmented into words and punctuation marks, with some words having subscripts indicating their position in the sentence.

As part of its reorganization this week Western Digital has divided its business into two segments – storage products including controllers and disk drives – and microcomputer products, which include graphics communications and peripheral control chips.

Storage<sub>n<sub>o</sub>:x-i</sub> , which<sub>-</sub> includes<sub>v:e-i-p</sub> computer<sub>n:x</sub> controllers<sub>n:x</sub> and 3.5-inch<sub>-</sub> disk<sub>n:x</sub> drives<sub>n:x</sub> , represents<sub>-</sub> nearly<sub>-</sub> two-thirds<sub>n<sub>o</sub>:x</sub> of<sub>-</sub> the<sub>-</sub> company's<sub>n<sub>o</sub>:x-i</sub> business<sub>-</sub> .

Disk drives, which allow a computer to access its memory, generated 38 million more revenue in the most recent period compared with fiscal first quarter card-i-c n\_x a year earlier.  
 The supercomputer will generate revenue in the most recent period compared with fiscal first quarter card-i-c n\_x a year earlier.

[illegible][illegible]

Figure 10. A parse tree for the sentence in Figure 9. The tree is a *partial* parse tree, since the *NP* *q* is not fully expanded. The tree is a *partial* parse tree, since the *NP* *q* is not fully expanded.