

Propose a semantic grammar based on lambda function for quantities like the ones in these examples

**Several hundreds**

**Less than one thousand**

**About 15,000**

**Around five hundreds**

**Two or three dozens**

**327**

**Between two and three hundred**

## **GRAMMAR**

### **Nonterminal categories**

Numerical -> number (1)//327

Numerical -> modified number ( 1 2) // *Several hundreds*

Numerical -> digit or digit textexpression (4 ((2 1) 3)) // *Two or three dozens*  
1 2 3 4

Numerical -> between digit and digit textexpression (5(1 ((3 2) 4))) // *Between two and three hundred*  
1 2 3 4 5

### **Terminal categories** (associated with lexical entries)

number -> 327

digit -> 0 digit -> 1 digit -> 2 ...

modified -> several (lambda(x), several(x))

modified -> less than (lambda(x), lessthan(x))

modified -> about (lambda(x), about(x))

modified -> around (lambda(x), around(x))

or -> or (lambda(x),lambda(y), or(x,y))

between -> between (lambda(x),lambda(y), between(x,y))

textexpression -> dozens (lambda(x), dozen(X))

textexpression -> hundreds (lambda(x), hundred(X))