Context Free Grammar for QUAT

$$S \rightarrow E$$

$$E \rightarrow (E) \mid \text{ROTATION(NUMBER, E)} \mid -E \mid E * E \mid E + E \mid E - E \mid E/E \mid T$$

$$T \rightarrow \text{NUMBERU} \mid \text{NUMBER} \mid U$$

$$U \rightarrow i \mid j \mid k$$