*School of Software Engineering*

UNIVERSITYOF SCIENCE AND TECHNOLOGY OF CHINA

**Compilers, Spring 2024**

**Quiz 2: Parsing**

Name: Id:

1. The following grammar is not suitable for top-down predicative parsing. Identify the problem and correct it by rewriting the grammar to a new one (which is suitable for predicative parsing). (Capitals stand for non-terminals, lower cases stand for terminals.)

***L* -> *R* a *R* -> a b a *Q* -> b b c**

**| *Q* b a | c a b a | b c**

**| *R* b c**