

1. Consider the following grammar:

$L \rightarrow R a$	$R \rightarrow aba$	$Q \rightarrow bbc$
$ Q ba$	$ caba$	$ bc$
	$ R bc$	

Is it suitable for a **top-down predictive** parser?

- If so, show that it satisfies the LL(1) condition.
- If not, identify the problem(s) and correct it (them). Also show that the revised grammar satisfies the LL(1) condition.