

3b) $s = "aabcba"$
 $c = 'a'$

if $\rightarrow s.charAt(0) == 'a'$, remove $s.charAt(0)$
 True \rightarrow removeLetter("abca", 'a') ~~call~~

\rightarrow removeLetter("bca", 'a')

if $\rightarrow s.charAt(0) == 'a'$, remove $s.charAt(0)$
 True \rightarrow removeLetter("ca", 'a')

\rightarrow removeLetter("ca", 'a')

if $\rightarrow s.charAt(0) == 'a'$, Keep $s.charAt(0)$
 False \rightarrow removeLetter("ca", 'a')

if $\rightarrow s.charAt(0) == 'a'$, Keep $s.charAt(0)$
 False \rightarrow removeLetter("c", 'a')

$\rightarrow s.charAt(0) == 'a'$, remove $s.charAt(0)$
 True \rightarrow removeLetter("", 'a')

if $\rightarrow r: ""$

\rightarrow Return("bc")

4. b) $s = "ahel"$ ~~False~~
 $s.length() < 2 \parallel s.charAt(0) > s.charAt(1)$
 \rightarrow call/continue recursion
 $s = "be"$ ~~False~~
 $s.length() < 2 \parallel s.charAt(0) > s.charAt(1)$
 \rightarrow call/continue recursion
 $s = "l"$ ~~False~~
 $s.length() < 2 \parallel s.charAt(0) > s.charAt(1)$ \rightarrow call/continue recursion
 $s = ""$
 $s.length() < 2 \parallel s.charAt(0) > s.charAt(1)$ ~~True~~
True
 \rightarrow Return True