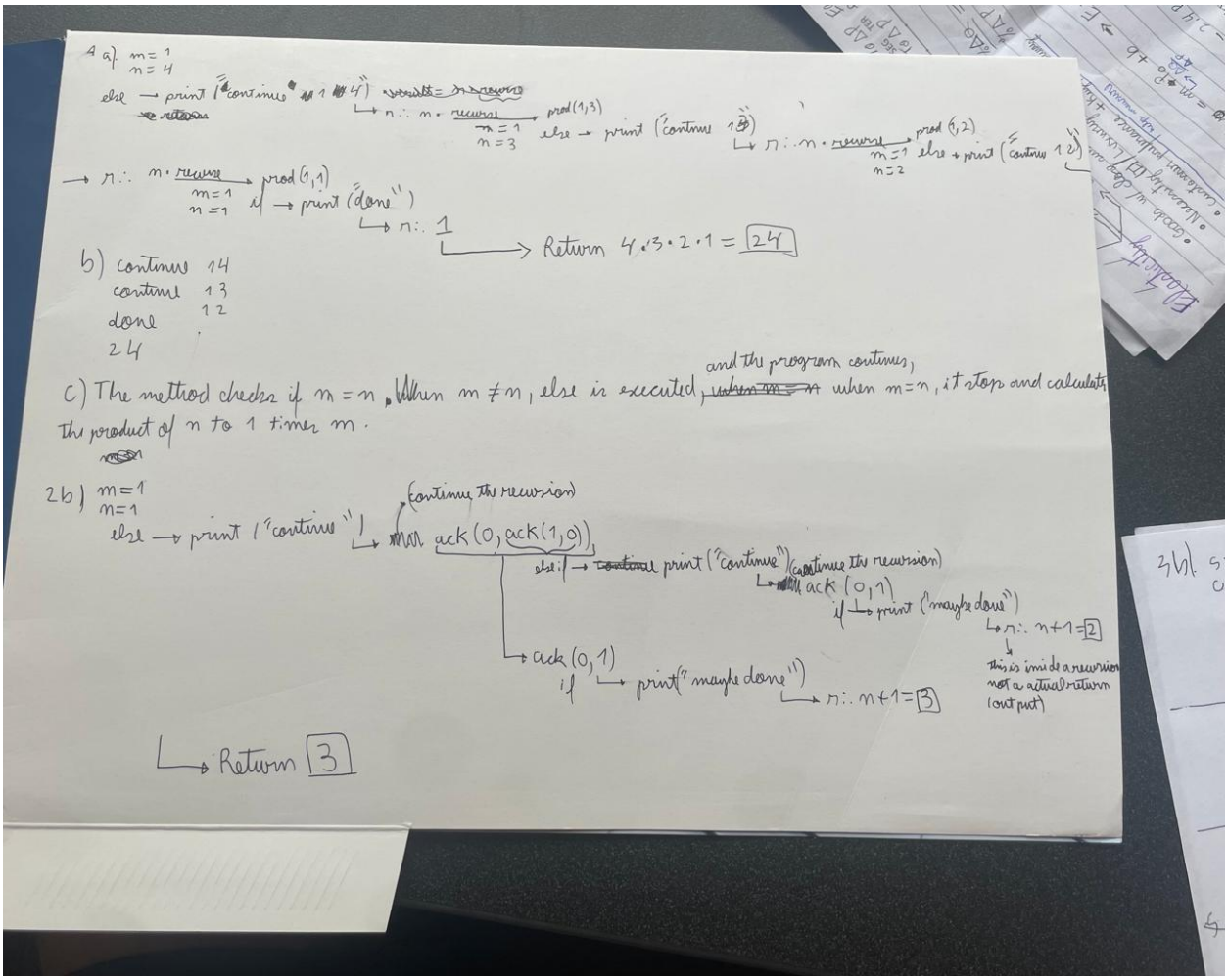
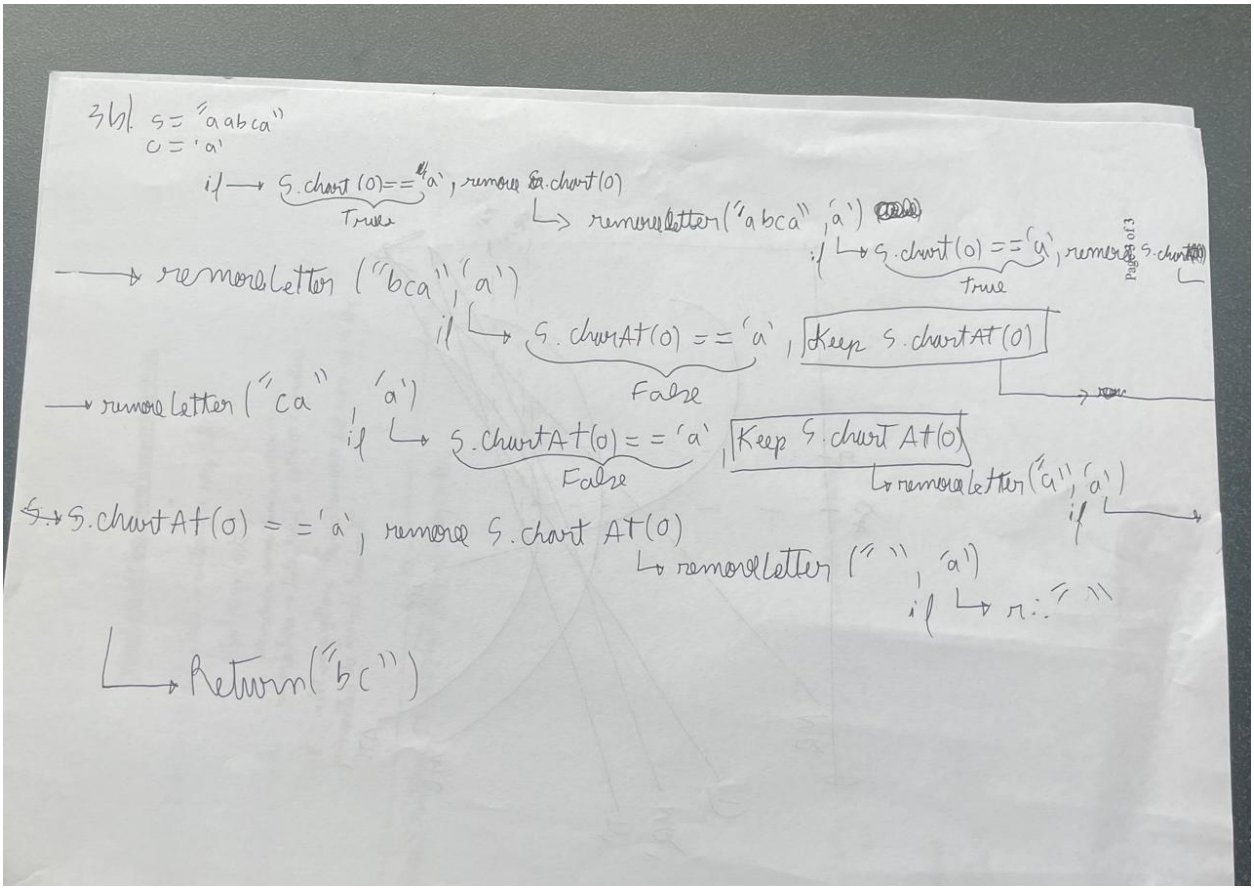
* This code is my own work. It was written without consulting code written by other students or code from online resources. Felipe Cardozo*/




3b) s = "aabca"
c = 'a'
if → s.charAt(0) == 'a', remove s.charAt(0)
True
→ removeLetter("abca", 'a')
if → s.charAt(0) == 'a', remove s.charAt(0)
True
→ removeLetter("bca", 'a')
if → s.charAt(0) == 'a', Keep s.charAt(0)
False
→ removeLetter("ca", 'a')
if → s.charAt(0) == 'a', Keep s.charAt(0)
False
→ removeLetter("a", 'a')
if
s.charAt(0) == 'a', remove s.charAt(0)
→ removeLetter("", 'a')
if → s == ""
Return("bc")
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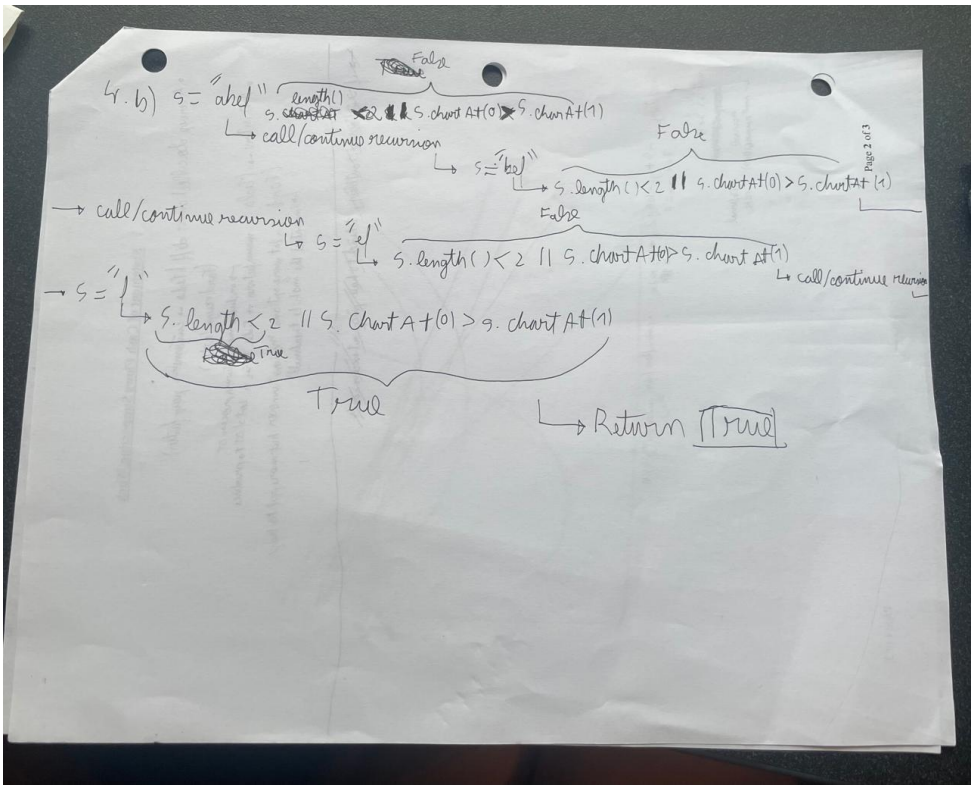
4. b) s = "abef"
False
s.length() < 2 || s.charAt(0) > s.charAt(1)
call/continue recursion
s = "bef"
False
s.length() < 2 || s.charAt(0) > s.charAt(1)
call/continue recursion
s = "ef"
False
s.length() < 2 || s.charAt(0) > s.charAt(1)
call/continue recursion
s = "f"
s.length < 2 || s.charAt(0) > s.charAt(1)
True
True
Return True
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