

# AP<sup>®</sup> COMPUTER SCIENCE A

## 2014 SCORING GUIDELINES

### Question 1: Word Scramble

<b>Part (a)</b>	<code>scrambleWord</code>	<b>5 points</b>
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**Intent:** *Scramble a word by swapping all letter pairs that begin with A*

- +1 Accesses all letters in `word`, left to right (*no bounds errors*)
- +1 Identifies at least one letter pair consisting of "A" followed by non-"A"
- +1 Reverses identified pair in constructing result string
- +1 Constructs correct result string (*Point lost if any letters swapped more than once, minor loop bounds errors ok*)
- +1 Returns constructed string

<b>Part (b)</b>	<code>scrambleOrRemove</code>	<b>4 points</b>
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**Intent:** *Modify list by replacing each word with scrambled version and removing any word unchanged by scrambling*

- +1 Accesses all words in `wordList` (*no bounds errors*)
- +1 Calls `scrambleWord` with a word from the list as parameter
- +1 Identifies words unchanged by scrambling
- +1 On exit: List includes all and only words that have been changed by scrambling once, in their original relative order (*minor loop bounds errors ok*)