**Question 1**

loop

Read the next character of the first string

Is the character null?

If so then end this

If not then write that character into string 3 and continue reading

End loop

Loop

Read the next character of the second string

Is the character null?

If so then end this AND WRITE THE NULL CHARACTER TO STRING 3

If not then write that character into string 3 and continue readin

End loop

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**Question 2**

Have two pointers. One (pointer1) for rewriting the current character, and the other to check for instance of the word “the” (pointer2)

loop

Read the next character (pointer1 points to)

If this character null?

If so then stop

If this the first character and is it a “t”?

Is this character a space?

If so read the next character (pointer2 points to). Is this character “t”?

If so read the next character(pointer2 points to. Is this character “h”?

If so read the next character(pointer2 points to. Is this character “e”?

If so read the next character(pointer2 points to. Is this character a space or null (end of string)?

If so then increment pointer1 by 4 (this will skip over the word “the”)

If not then write that character to string2 and increment pointer1 by 1

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**Question 3**

Stores a value in r0 (store register in stack)

Calls subroutine

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