Assignment #4
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Part #1

- Read/Write permissions must be mapped from 0x94 to 0x19C
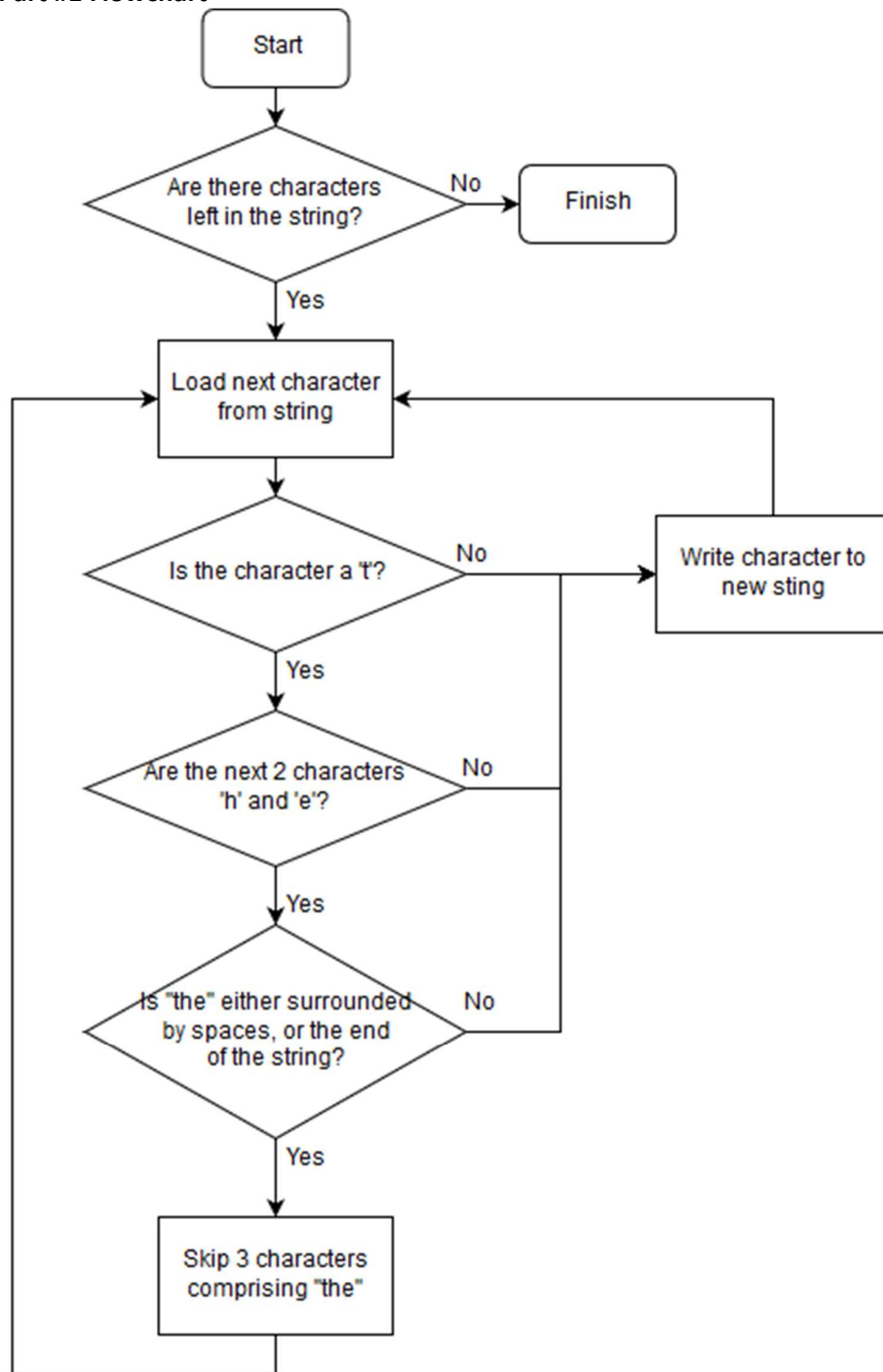
r0	Initially address of String1, used for character pointer
r1	Address of r1 for comparison
r2	Address of String2
r3	Address of EoS
r4	Sentinel value returned from function
r5-r9	Used for character examination

Part #2

- Read/Write permissions must be mapped from 0x4C to 0x64

r0	X value, used for calculations, contains returned value from function
r1	B value, used for calculation, ends with program final value
r2	C value, A value

Part #1 Flowchart

Start

Are there characters left in the string? — No → Finish

Yes

Load next character from string

Is the character a 't'? — No → Write character to new sting

Yes

Are the next 2 characters 'h' and 'e'? — No

Yes

Is "the" either surrounded by spaces, or the end of the string? — No

Yes

Skip 3 characters comprising "the"

Part #2 Flowchart

Start

Get values of
x and d

Calculate y
$(ax^2 + bx + c)$
with provided x

Is y > d?

Yes

No

Return d

Return y

Double the
returned value

Finish