Practical 2

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**Task 3**

1. The short circuit method deals with a Boolean expression that is made out of multiple separate expressions by evaluating each individual expression one at a time and, only if that expression evaluates to being true, will it move to evaluate the next expression (else it immediately jumps out of the loop as soon as it encounters a Boolean expression evaluating to false). This program, however, evaluates ALL of the expressions within the Boolean condition of the while loop and then, only after that, checks if all of them have been evaluated to true.

**Task 4(need to still edit)**

With asm1.exe, sieve1.pvm took 0.65 seconds took run whereas with asm2.exe sieve1.pvm took 0.21 seconds. These results are expected as asm2 uses PVMInLine.cs whereas asm1 uses PVMPushPop.cs. PVMPushPop.cs uses helper functions to manipulate …. whereas PVMInLine.cs doesn’t use any and so time spent on setting up functions is not required in PVMInLine and hence why it is quicker. PVMPushPop also has more constraint checking functionality which adds yet more time onto the program