Monday, October 7	Name	
	Email	
6.035 Fall 2019	Miniquiz #19	5 minutes

Consider the following unoptimized code:

```
func_F: // A function func_F
 // has a single parameter, say, 'x', passed in register rdi
enter $(8*3), $0 // function prologue
         // sets stack for local variables
movq $0, -8(%rbp)
                    // variable a
movq $0, -16(%rbp) // variable b
movq $0, -24(\%rbp) // variable c
movq %rdi, -8(%rbp)
movq $1, %r10
movq %r10, -16(%rbp)
movq -8(%rbp), %r10
movq %r10, -24(%rbp)
movq -16(%rbp), %r10
addq %r10, -24(%rbp)
movq -24(\%rbp), \%rax
                       // return value stored in %rax
leave // function epilogue
       // returns to the caller function
ret
```

Write down the Decaf source code that corresponds to func\_F: