Exercise 3.4

This is more than just a matter of substituting D’s for I’s; you also have to change the variable numbers because each value takes two slots. The answer:

```java
.method public static Dcalc(DDDD)D
.var 0 is a D
.var 2 is b D
.var 4 is c D
.var 6 is x D
dload_0 ; Push a
dload 6 ; Push x
dload 6 ; Push x again
dmul ; Calculate x^2
dmul ; Calculate ax^2

dload_2 ; Push b
dload 6 ; Push x
dmul ; Push bx
dload 4 ; Push c
dadd ; Compute bx+c
dadd ; Compute ax^2+bx+c
dreturn
.end method
```

The maximum stack height written this way is 6.

Exercise 3.5

```java
.method public static icalc2(IIII)I
'iload_0 ; Push a
'iload_3 ; Push x
'imul ; Calculate ax

'iload_1 ; Push b
'iadd ; Calculate ax+b

'iload_3 ; Push x
'imul ; Compute ax^2+bx
```