Name:....

## Quiz 5 - X86-64 assembly (recursion)

**Duration:** 10 minutes

open notes, please show your work

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<b>Question:</b> Given the following partial C cocode, fill in the blanks of the C code.	ode of a <i>ne</i>	sted recur	rsion and complete assembly
<pre>int fun(int n) {     if (n &gt;)         return;</pre>	fun:	cmpl jle leal ret	
<pre>return fun(fun(fun())); } int main() {    int r;    r = fun();    return 0; }</pre>	.L2:	subq addl call movl call movl call addq ret	<pre>fun %eax, %edi fun %eax, %edi fun</pre>
	main:	subq movl call movl addq ret	\$5, %edi fun \$0, %eax