ICE recursion multiplication with hidden function.cpp

```
1//-----
            : ICE recursion multipication with static variable.cpp
2// Name
3// Author
              : Paul Hrycewicz
4// Version
5// Copyright : Your copyright notice
6// Description : Hello World in C++, Ansi-style
7 //----
9#include <iostream>
10 using namespace std;
11int rmult(int, int);
12 int internalRmult(int, int, int);
13 int main() {
14
     int answer;
15
     answer = rmult(5,11);
16
     cout << answer;</pre>
17
     return 0;
18 }
19 int rmult(int x, int y)
20 {
     return internalRmult (x, y, 0);
21
22 }
23 int internalRmult(int x, int y, int numAdditions)
24 {
25
     if (numAdditions < y)</pre>
26
         cout << "calling rmult time number " << numAdditions << endl;</pre>
27
28
         numAdditions++;
29
         return x + internalRmult(x, y, numAdditions);
30
     }
31
     else
32
33
         cout << "base case" << endl;</pre>
34
         return 0;
35
     }
36 }
37
```