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CODE, COMPILE & RUN

Ide  

C++ 4.9.2 (Gcc-4.9.2)

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 int tarai(int x, int y, int z){ // Tarai function by Ikuo Takeuchi
5     if(x <= y) return y;
6     else return ( tarai( tarai(x-1,y,z), tarai(y-1,z,x), tarai(z-1,x,y) ) );
7 }
8
9 int mc(int n){// McCarthy 91 function
10     if(n > 100) return n-10;
11     else return mc(mc(n+11));
12 }
13
14 int main()
15 {
16     int x = 10;
17     int y = 5;
18     int z = 1;
19     printf("tarai(%i,%i,%i) is %i\n", x, y, z, tarai(x,y,z) );
20     int n = 10;
21     printf("mc(%i) is %i\n", n, mc(n) );
22     return EXIT_SUCCESS;
23 }
```

① プログラム
を入力

② Run ボタン
をおす

22:1

Open File

Custom Input

Run

Status Successfully executed Date 2017-04-06 13:33:25 Time 0 sec Mem 3.144 kB

Output

```
tarai(10,5,1) is 10
mc(10) is 91
```

③ 実行結果が
表示される