不常考,因为精度问题,不大可能考。

```
#include <iostream>
    using namespace std;
 3
    double check(double x,double y){
 4
        double sum=1;
 5
        for(int i=0;i<y;i++)</pre>
 6
             sum*=x;
 7
 8
        return sum;
9
    }
10
11
    int main()
12
13
        double x,y;
14
        cin >> x >> y;
15
        double l=0, r=10000;
16
        while(r-1>1e-9)
17
18
             double mid=(1+r)/2;
19
        if(check(mid,y)>=x) r=mid;
20
        else l=mid;
21
22
23
        printf("%.71f",1);
24
        return 0;
25
26 }
```

```
import java.io.BufferedReader;
    import java.io.IOException;
 3
    import java.io.InputStreamReader;
 4
    import java.io.PrintWriter;
 5
    import java.util.StringTokenizer;
 6
 7
    public class Main {
 8
        public static void main(String[] args) {
9
            solve();
10
            out.flush();
11
        }
12
        static double N,M;
13
        static double eps=1e-9;
        static boolean check(double x){
14
15
          double res=1;
16
          for(int i=1;i<=M;i++){</pre>
17
              res=res*x;
18
          }
19
          return res>=N;
        }
20
21
        static void solve(){
22
          N=in.nextDouble();
23
          M=in.nextDouble();
```

```
24
          double l=1, r=N;
25
          while(l+eps<r){</pre>
26
             double mid=(1+r)/2;
27
             if(check(mid)){
28
               r=mid;
29
             }else{
30
               1=mid;
31
             }
32
          }
33
          out.printf("%.7f",1);
34
        }
35
36
        static FastReader in = new FastReader();
37
        static PrintWriter out=new PrintWriter(System.out);
38
        static class FastReader{
39
             static BufferedReader br;
40
             static StringTokenizer st;
41
             FastReader(){
                 br=new BufferedReader(new InputStreamReader(System.in));
42
43
             String next(){
44
                 String str="";
45
46
                 while(st==null||!st.hasMoreElements()){
47
                     try {
48
                         str=br.readLine();
49
                     } catch (IOException e) {
50
                         throw new RuntimeException(e);
51
52
                     st=new StringTokenizer(str);
54
                 return st.nextToken();
55
             }
56
             int nextInt(){
57
                 return Integer.parseInt(next());
58
             }
59
             double nextDouble(){
60
                 return Double.parseDouble(next());
61
             }
62
             long nextLong(){
63
                 return Long.parseLong(next());
64
             }
65
        }
66
   }
```

```
1
    def check(x, y):
 2
        result = 1.0
 3
        for _ in range(int(y)):
             result *= x
 4
 5
        return result
 6
 7
    def find_root(x, y):
 8
        1, r = 0.0, 10000.0
 9
        while r - 1 > 1e-8:
10
             mid = (1 + r) / 2
11
             if check(mid, y) >= x:
12
                 r = mid
13
             else:
```