求s=(a^m)!+(bⁿ)!

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```
1 #include<stdio.h>
 2 void main() {
       int a, b, m, n, a m, b n, sum, power(int, int), fact(int), add(int, int);
       printf("Please input a, m, b, n :\n");
       scanf("%d %d %d %d", &a, &m, &b, &n);
       a m=fact(power(a, m));
                                    //a m = (a^m)!
 6
 7
       b n=fact(power(b, n));
                                    //b n = (b^n)!
 8
       sum=add(a m, b n);
       printf("(\sqrt[m]{d}\sqrt[m]{d})!+(\sqrt[m]{d}\sqrt[m]{d})!=\sqrt[m]{d}\sqrt[m]{n}, a, m, b, n, sum);
 9
10 }
11 //实现求和 x+y
12 int add(int x, int y) {
       return x+y;
13
14 }
15 //实现x<sup>^</sup>y
16 int power(int x, int y) {
       int i, c;
17
18
       c=x;
       for (i=1; i < y; i++) {
19
20
            X=X*C;
21
22
       return x;
23 }
24 //实现求阶乘 n!
25 int fact(int n) {
26
       int i, z=1;
       for (i=1; i<=n; i++) {
27
28
            z=z*i;
29
30
       return z;
31 }
```

结果为:

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```
Please input a, m, b, n :
1 5 2 2
(1^5)!+(2^2)!=25
Press any key to continue
```