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1: #include"fun.h"
2: #include<iostream>
3: #include<cmath>
4: #include<cstdlib>
5: using namespace std;
6: double func1(double a1,double a2,double b1,double b2){
7:     return sqrt(pow(a1-b1,2)+pow(a2-b2,2));
8: }
9: double func2(double x,double y,double z){
10:     double s;
11:     s=(x+y+z)/2;
12:     return sqrt(s*(s-x)*(s-y)*(s-z));
13:
14: }
15: double func3(double x,double y,double z){
16:     double max,min;
17:     if(x>y&&x>z){
18:         max=x;
19:         if(y>z){
20:             min=z;
21:         }
22:         else{
23:             min=y;
24:         }
25:     }
26:     if(y>x&&y>z){
27:         max=y;
28:         if(x>z){
29:             min=z;
30:         }
31:         else{
32:             min=x;
33:         }
34:     }
35:     if(z>y&&z>x){
36:         max=z;
37:         if(x>y){
38:             min=y;
39:         }
40:         else{
41:             min=x;
42:         }
43:     }
44:     return max-min;
45: }
46:
47:
48:
49:
```