<http://blog.csdn.net/nlt_xxy/article/details/79340613>

#include <iostream>

#include <cstdio>

#include <algorithm>

#include <cstring>

#include<cmath>

#include<iomanip>

#define ll long long

using namespace std;

int main()

{

double R,x1,y1,x2,y2;

cin>>R>>x1>>y1>>x2>>y2;

double l=sqrt(pow(x1-x2,2)+pow(y1-y2,2));

if(l==0)

{

cout<<fixed<<setprecision(7)<<(x1+R/2.0)<<' '<<y1<<' '<<R/2.0<<"\n";

return 0;

}

if(l>R)

{

cout<<fixed<<setprecision(7)<<x1<<' '<<y1<<' '<<R<<"\n";

return 0;

}

double sin=(y1-y2)/l;

double cos=(x1-x2)/l;

double r=(l+R)/2;

double ansx=x2+r\*cos;

double ansy=y2+r\*sin;

cout<<fixed<<setprecision(7)<<ansx<<' '<<ansy<<' '<<r<<"\n";

return 0;

}