#include <iostream>

#include <math.h>

using namespace std;

int main()

{

double x;

double y;

double R1;

double R2;

cout << "R1 = "; cin >> R1;

cout << "R2 = "; cin >> R2;

cout << "x = "; cin >> x;

cout << "y = "; cin >> y;

if ((y <= sqrt((R1 \* R1 - x \* x)) && y >= sqrt(R2 \* R2 - x \* x)) || (y >= sqrt((R1 \* R1 - x \* x)) && y <= sqrt((R2 \* R2 - x \* x)) && y<0))

cout << "yes" << endl;

else

cout << "no" << endl;

cin.get();

return 0;

}