#include <iostream>

using namespace std;

/\* run this program using the console pauser or add your own getch, system("pause") or input loop \*/

class Triangulo{

public:

int a, b, c;

void entrada(){

cout<<"Digite 3 lados \n";

cin>>a>>b>>c;

}

bool verifica(){

if(a<b+c && b<a+c && c<a+b)

return 1;

else

return 0;

}

string tipo(){

if(verifica()==1){

if(a==b && b==c)

return " Triangulo equilatero ";

else if(a==b || b==c || c==a)

return " Triangulo isosceles ";

else

return " Triangulo escaleno ";

}

else {

return " Nao forma triangulo ";

}

}

};

int main(int argc, char \*argv[])

{

Triangulo Obj;

Obj.entrada();

cout<<Obj.tipo()<<"\n";

return 0;

}