There are multiple types of Equations in mathematical calculation in real life. Suppose you are Software Engineer in Large Multi-National Firm. You need to perform any type of Math calculation. For this task, Your Program that uses EQ ( ) to find weather Four numbers a, b, c, d are passed to the function as Value to satisfy the Equation (t + ( z \* (a5-1 + b4-1  ÷ c3-1) ) ) = d2-1\*4 or Not. The Function returns -1 if the above Equation is satisfied and returns 0 otherwise. And also display Equation in the output at the end of the program.

#include<iostream>

using namespace std;

int EQ(int a,int b,int c,int d, int t,int z)

{

if((t+(z\*((a\*a\*a\*a)+(b\*b\*b)/(c\*c))))==1/(d\*d)) //funcion called

{return -1;}

else

{return 0;}

}

void main()

{

int w,x,y,k,m,n; //enter 6 values

int s; //store result

cout<<"Enter six numbers"<<endl;

cin>>w>>x>>y>>k>>m>>n; /\*if we enter first two value 0 and remaining 1 then eq will be

satisfied\*/

s=EQ(w,x,y,k,m,n); //funtion calling

if(s==-1)

{cout<<"equation is satisfied"<<endl;}

else

{cout<<"not satisfied"<<endl;}

cout<<" ((t+(z\*((a\*a\*a\*a)+(b\*b\*b)/(c\*c))))==1/(d\*d))";

getchar();

getchar();

}