//Answer = -1;

```
given a series f(k) = a*k + b*k*[log2k] + c*k^3
you have to find a value k such that f(k) = x;
here log2k is 2 base log which return absulute value of k;
if a<10, b<10, c > 0 then it is garunted that Answer does not exit 1000
if a<100, b<100, c > 0 then it is garunted that Answer does not exit 1000000 or 100000(can't remember
exactly)
all value will be in range 2^63-1; for c++ long long will be enough
Answer is always in range of 54/56(cann't remember exactly) bit range
if no such k value found for the series then Answer will be 0
input:
given a,b,c,x
find k
******* Total 10 test case********
*** 4 input output already given in statement ***
// can't use #include <bits/stdc++.h>
but all other c++ header can be use
given source code:
#include<iostream>
long long a,b,c,x,Answer;
// this log2 function is implemented already
int log2(lont long k){
// i cann't remember but already implemented.....
}
int main(){
int test case;
for(test_case = 1;test_case<=10;test_case++){
cin>>a>>b>>c>>x;
```