#include <iostream>

#include <bits/stdc++.h>

using namespace std;

int main() {

int t;

cin >> t;

while(t--) {

long long A,B,N;

cin >> A >> B >> N;

int p1, p2;

if(N%2 == 0) {

if(A>B)

cout << A/B << endl;

else

cout << B/A << endl;

}

else {

A=A\*2;

if(A>B)

cout << A/B << endl;

else

cout << B/A << endl;

}

}

return 0;

}