#include

typedef long long LL;

LL p[20];

LL count(LL n, LL l)

{

LL m=0, s, k, i, j;

for (i = 2; i\*i <= n; i++)

if (n%i == 0)

{

p[m++] = i;

while (n%i == 0)

n /= i;

}

if (n != 1)

p[m++] = n;

n = 0;

for (i = 1; i < (1< {

s = 1;

for (k = j = 0; j < m; j++)

if ((i>>j)&1)

{

k++;

s \*= p[j];

}

if (k&1)

n += l/s;

else

n -= l/s;

}

return n;

}

int main()

{

LL a, b, l, y;

LL none, one, both, c1, c2, c3;

scanf("%lld%lld%lld", &a, &b, &l);

c1 = count(a+b, l);

none = 2\*c1;

one = 2\*(l-c1-1);

both = 2;

for (y = 1; y < a+b; y++)

{

c1 = l-count(y, l);

c2 = l-count(a+b-y, l);

c3 = l-count(y\*(a+b-y), l);

none += l-c1-c2+c3;

one += c1+c2-2\*c3;

both += c3;

}

printf("%lld\n%lld\n%lld\n", none, one, both);

return 0;

}