#include <iostream>

using namespace std;

typedef long long LL;

LL n;

bool query(LL x, LL y)

{

if (x < 1 || x > n || y < 1 || y > n)

return 0;

char s[10];

cout << "examine " << x << ' ' << y << '\n' << flush;

cin >> s;

return s[0] == 't';

}

LL find(LL x, LL y, LL dx, LL dy)

{

LL l=1, p, q;

while (query(x+dx\*l, y+dy\*l))

l <<= 1;

if (l == 1)

return 0;

p = l>>1;

q = l;

while (q-p > 1)

{

l = (p+q)>>1;

if (query(x+dx\*l, y+dy\*l))

p = l;

else

q = l-1;

}

if (p != q && query(x+dx\*q, y+dy\*q))

return q;

return p;

}

void solution(LL x, LL y)

{

cout << "solution " << x << ' ' << y << '\n' << flush;

}

int main()

{

LL x, y, m, a, b, c, d;

cin >> n >> x >> y;

a = find(x, y, -1, 0);

b = find(x, y, 1, 0);

c = find(x, y, 0, 1);

m = a+b+1;

x += m/2-a;

y += c-m/2;

a = b = c = d = 2;

while (a <= 4 && query(x-a\*m, y))

a += 2;

while (b <= 4 && query(x+b\*m, y))

b += 2;

while (c <= 4 && query(x, y-c\*m))

c += 2;

while (d <= 4 && query(x, y+d\*m))

d += 2;

solution((2\*x-a\*m+b\*m)/2, (2\*y-c\*m+d\*m)/2);

return 0;

}