

```
function reaching Point(sx, sy, tx.ty) {

let x = tx, y = ty;

while (x > 5 x & y > = sy) {

if (x > y) {

if (y = == sy) {

return (x-sx) % y = == 0;

}

x = x% y;

let x = = sx) {

return (y-sy) % x === 0;

}

return (y-sy) % x === 0;

}

return folse;

}
```

for a given number, it comes from two cases.

$$(x+y,y) \quad (x,x+y) \quad \left((x,y) < \frac{(x-y,y)}{(x,y-x)}\right)$$

also x. 3 70, it must come from a positive humber.

So whenever x>=Y, we keep substracting. which is equivalent to X% y.