V = [1 ... 5 5 ... 1]

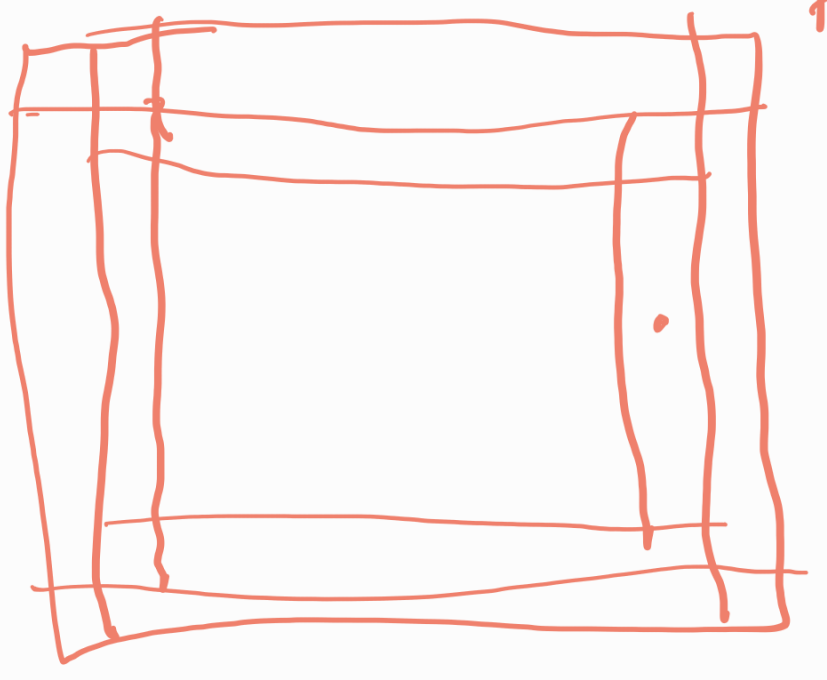
for i = 1 to 10

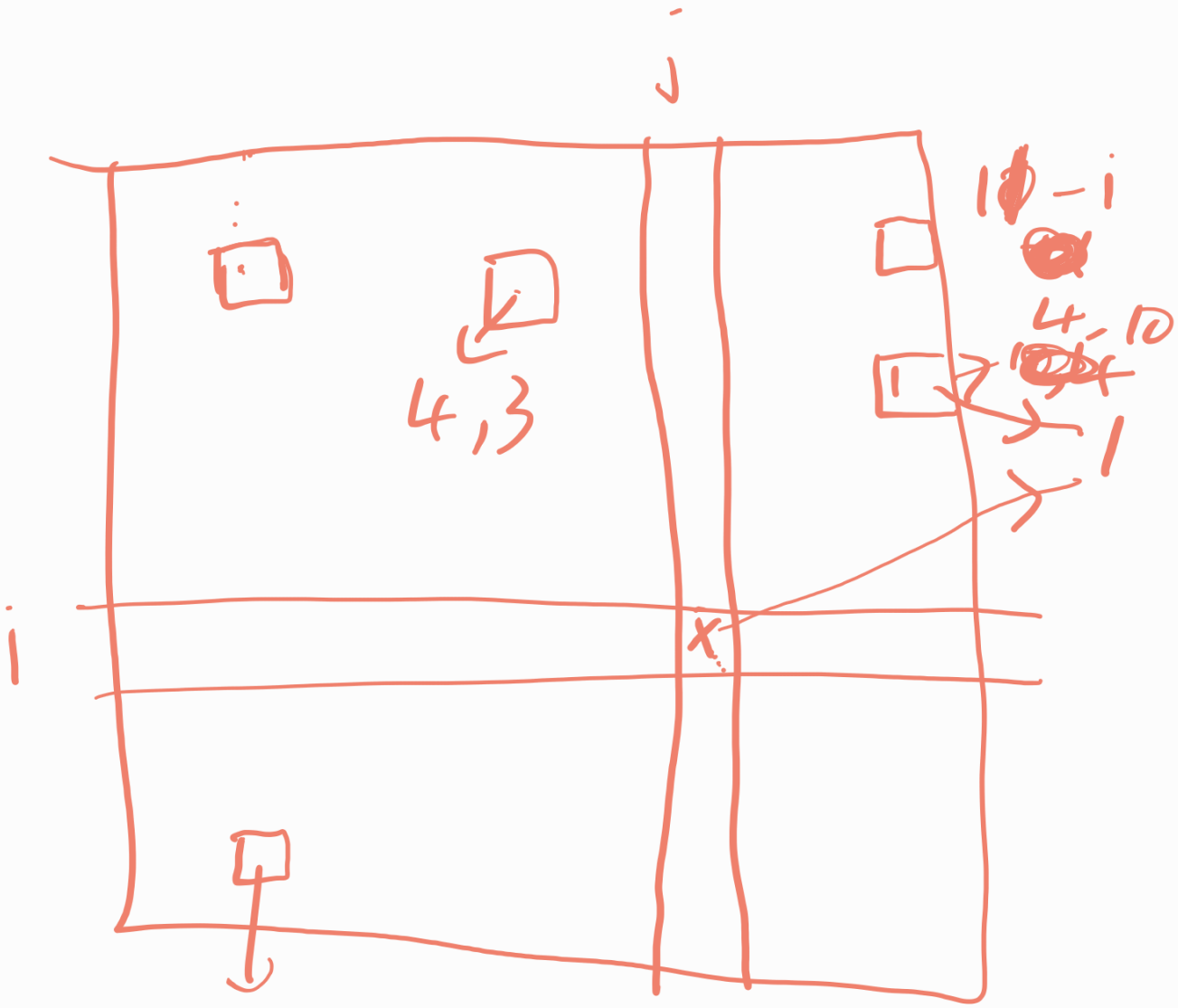
for j = 1 to 10

if(b[i][j] == 'x'

~~sum += V[i]~~

sum += min(i, j, 11-i, 11-j)





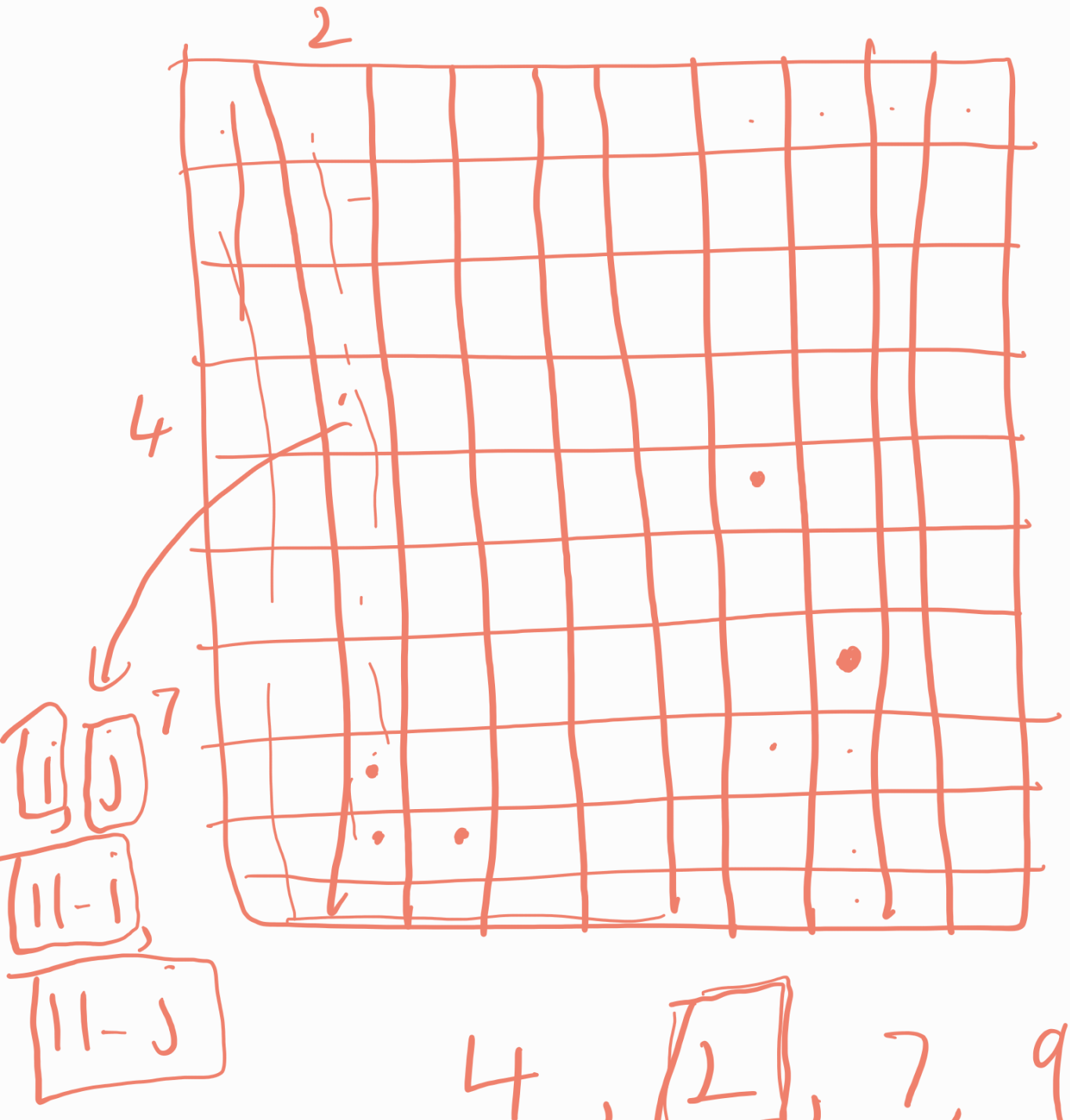
9,3 → 2

i = 4

11 - i = 7

i, j, 11 - i, 11 - j

4, 3, 7, 8



4, 2, 7, 9

5, 7

5, 7, 6, 4

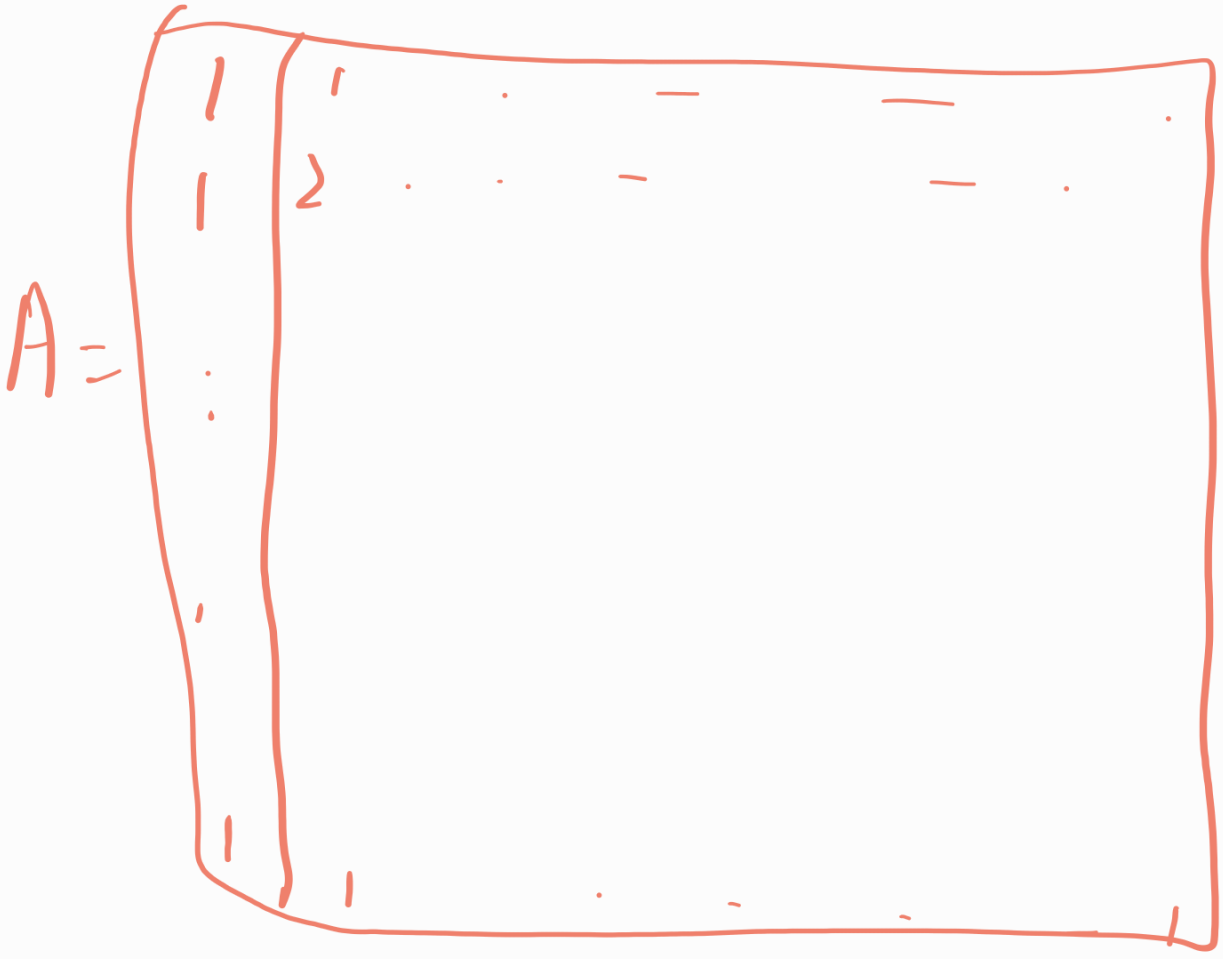
8, 2

8, 2, 3, 9

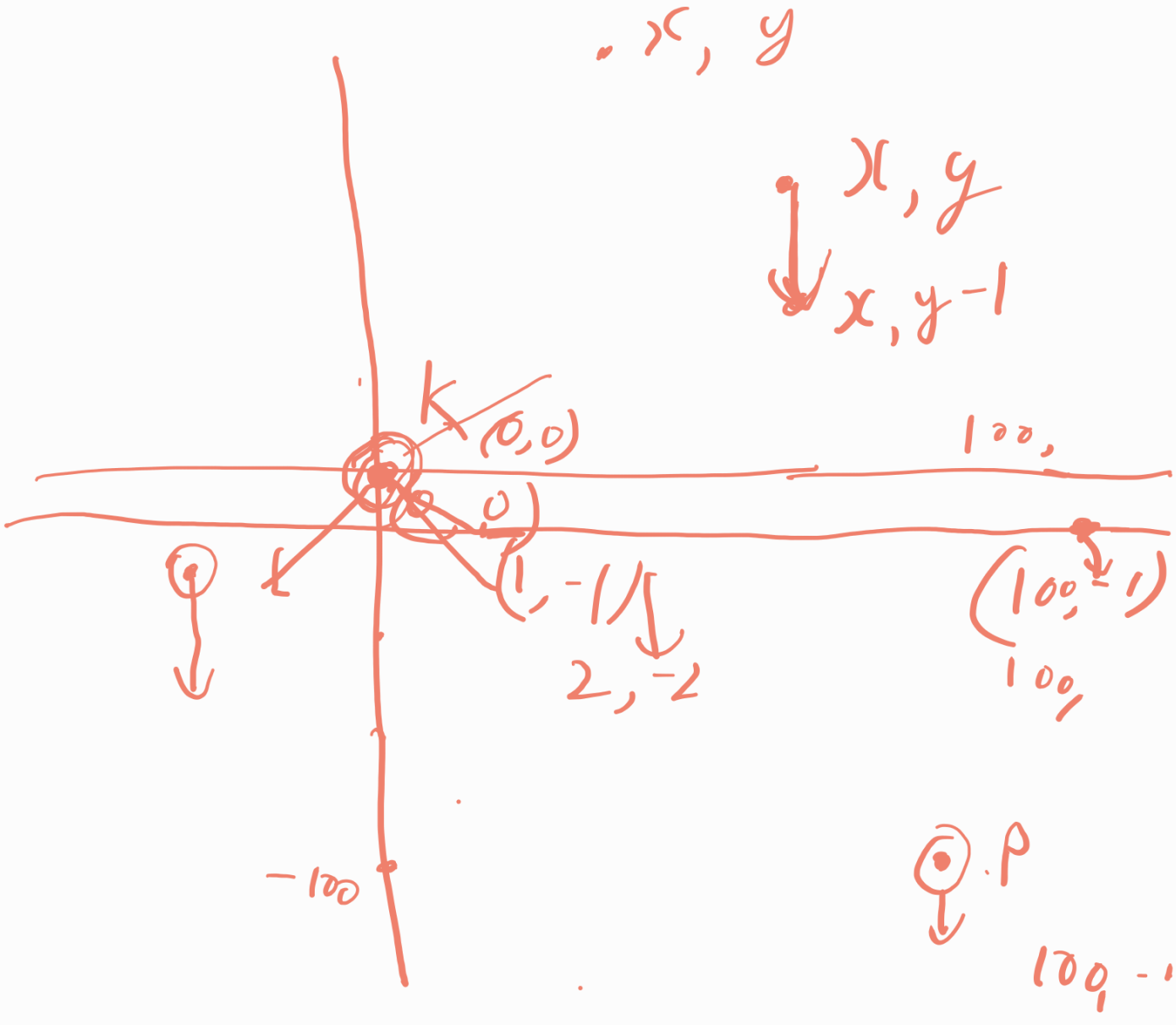
9, 3

9, 3, 2, 8

for i = 1



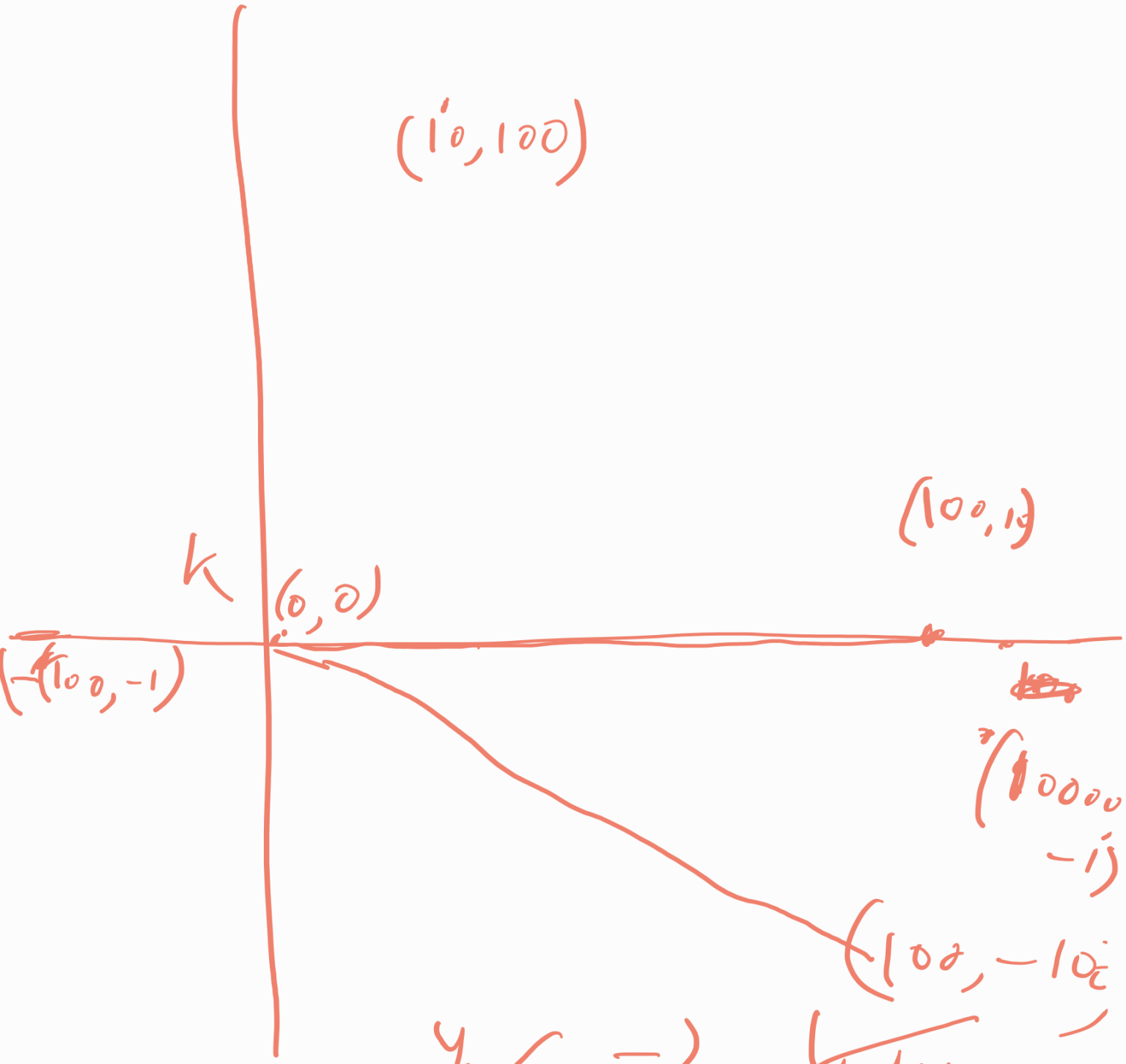
A [i] [j]



If $y \leq -2$

any = false

$y = -1$



$y \leq -2$ false

$y = -1$ true

$y \geq 0$ true

if ($y \leq -2$)

false

else

true

---

3. n - rope

k - array size

$a_i \rightarrow (a_i - 1, 1)$

$(a_i, 1) \rightarrow (a_i + 1)$

N = 10

K = 5

A = [2, 1, 1, 1, 5]

↓

[2, 1, 1, 6] 1

↓

[2, 1, 7] 2

↓

[2, 8] 3

↓

[1, 1, 8] 4

↓

[1, 9] 5

↓

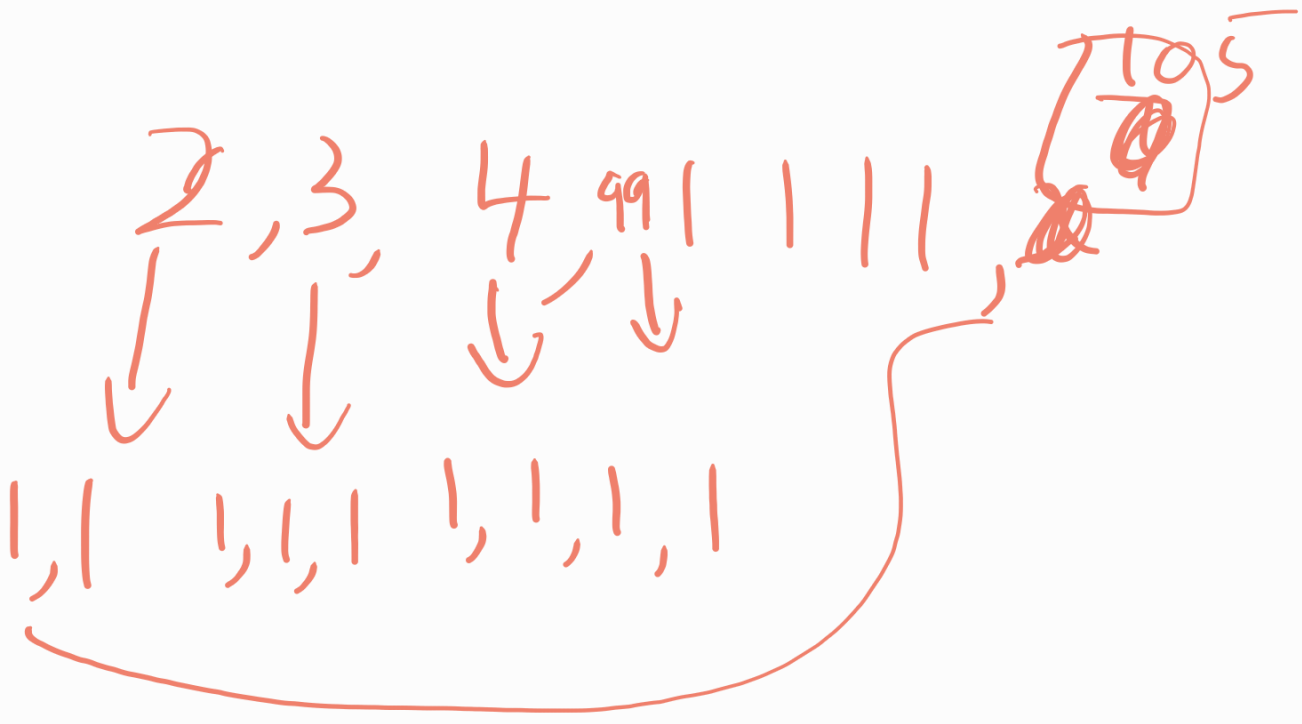
[10] 6

$x = \max(A)$

ones = No. of ones in A

ans = 0

ans = ones



98, 1

97, 1, 1

99, 1, ... 1

4 → 3, 1 → 2, 1, 1 → 1, 1, 1, 1

105

$a_1, a_2 \ldots a_{k-1}, a_k$

$a_1 - 1 \quad \ldots \quad a_{k-2} - 1 \quad a_{k-1} - 1$

$\sum a_i - (k-1)$

$n - x$ = removes

$\sum a_i - (k-1) + n - x$

~~sort(A)~~

for i = 0 to k - 1

sum += a[i]

sum - x = (k-1)

x =

sum ± η

sum = a[k-1]

n = integer

n = 5 8 7 6 3 0 7

↓

5 8 6 3 0 7

V = 5, 8, 7, 6, 3, 0, 7

↓ ↓

1 6

Pass_fine ↓

00 ✓

25 ✓

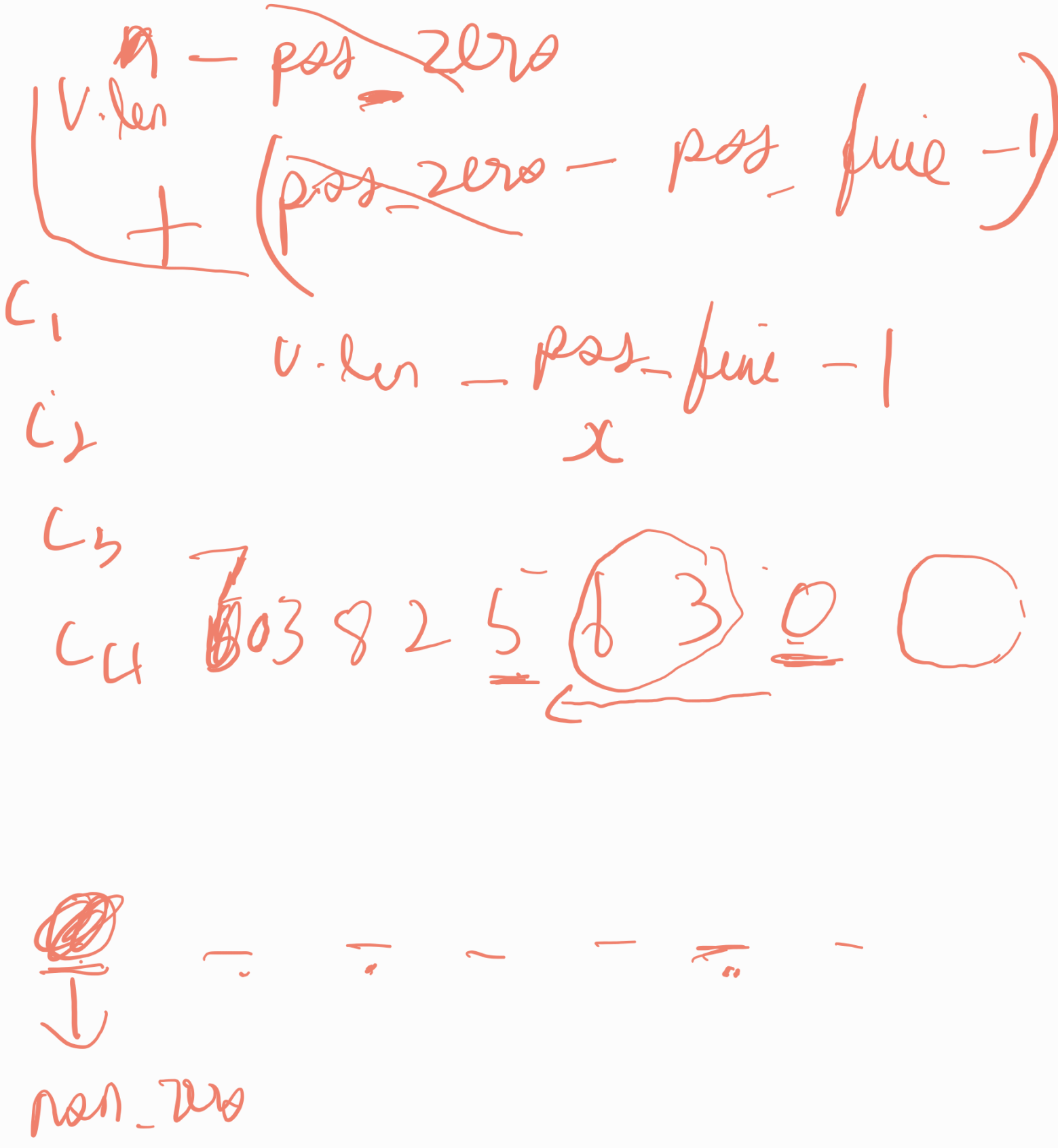
50

75 ✓

Pass_zero

Pass

Pass_zero — fine


pos_zero
v.len
+
pos_zero - pos_fine - 1
c1
v.len - pos_fine - 1
c2
x
c3
c4
7 0 3 8 2 5 1 3 0
non_zero

n = 935

vector<int> decompose (int n)

{

vector<int> ans;

while (n >= 0)

{

ans.push_back(n%10)

n = n/10

}

return ans

}

ans = [5, 3, 9]

reverse(v.begin(), v.end)

00, 25, 50, 75

```
int operation (v, int x, int y)
{
    x_pos = y_pos = -1
    for(int i=0; i< v.size(); i++)
        if (v[i] == y)
            y_pos = i
            break

    for (int i = y_pos+1; i< v.size(); i++)
    {
        if (v[i] == x)
            x_pos = i
            break
    }
    if (x_pos != -1 and y_pos != -1)
        return x_pos - y_pos + 1
```

else
return 1002
}

c_1 = operations(1, 2, 5

c_2 = ——— (1, 5, 2)

c_3 = ——— (1, 7, 5)

c_4 = ——— (1, 0, 0)

harry potter

hP harrpotte

haP

hPO

harrypotter

dish wary

ajay

akash

a

hp

hcx

bfg

hap

acb

z

harp

hb

harrp

ha

h

b

hb

hDb

hcb

harry

potter

hap

hp

h p z > h p

h f p

h p

h f z p

h f p

h f a b c n

p o t e s

h p > h f p > h f a p >

h f a b p

. . . > h f a b c p