$(233)_{10} = 2\times 100 + 3\times 10 + 3$

2～16进制 $= 2\times 10^2 + 3\times 10^1 + 3\times 10^0$

权重

s

$(233)_7 = 2\times 7^2 + 3\times 7^1 + 3\times 7^0$

pow(7, 2)　s[0]　s[1]　s[2]

$= 2\times 49 + 3\times 7 + 3\times 1$

char - '0' $= 122 = (122)_{10}$

~~char - 'A' + 16~~

2 3 3

x + x + x $= 122$

n → 10

7^2 7^1 7^0

10 -> m

m=2

10 -> 2

2 | 23	
2 | 11	1
2 | 5	1
2 | 2	1
2 | 1	0
0	1

10111

16 8 4 2 1

2 -> 10

16+4+2+1=23

start

7 | 122	3 ①
7 | 17 ②	3 ③
④	

110 -> m

7 | 2 ⑤   2 7

0 ⑥

a[] | cnt=0

①: 122 % 7 = 3

②: 122 / 7 = 17

③: 17 % 7 = 3

④: 17 / 7 = 2

⑤: 2 % 7 = 2

⑥: 2 / 7 = 0

cnt++

a[cnt] = ...

1. 操作 √

2. 停止 √

3. 结果 √

a[cnt~1] → a[0]

-25000   -16   7FB8

-16 | -25000   8

B

-16 |

-16 ⌊
+16 ⌊
0

$-15 \quad -2 \quad 110001$

-2	⌊ -15	1	$-15 = -2 \times 7 - 1$
-2	⌊	0	$15 = 2 \times 7 + 1$
-2	⌊	0	
-2	⌊	0	$-15 = -2 \times 8 + 1$
-2	⌊	1	n R
-2	⌊	1	n % R
	0		

$R = -2$

< 0

n
-15 / -2 = 7

-15 % -2 = -1

n R

R

-15 = -2 x (7) + (-1)

+1 +1 -R -(-2)

-15 = -2 x (6) + 1

while (n) {

ans [cnt] = n%R

cnt ++

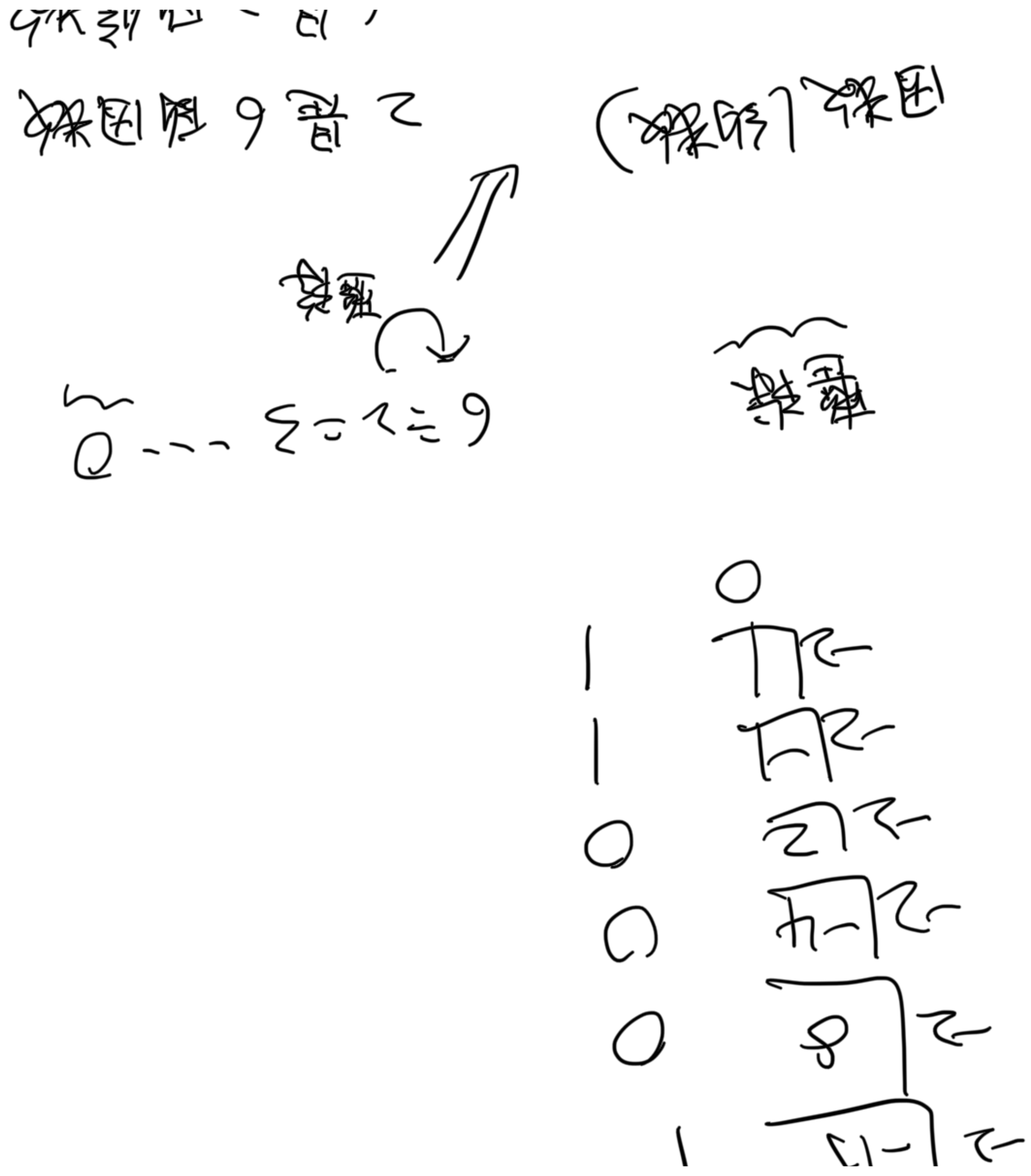
n /= R

if (n%R < 0)

ans[cnt] -= R

n++

10 -> R



6 [illegible]的倍数

倍数

质数：只有1和自己两个正因数

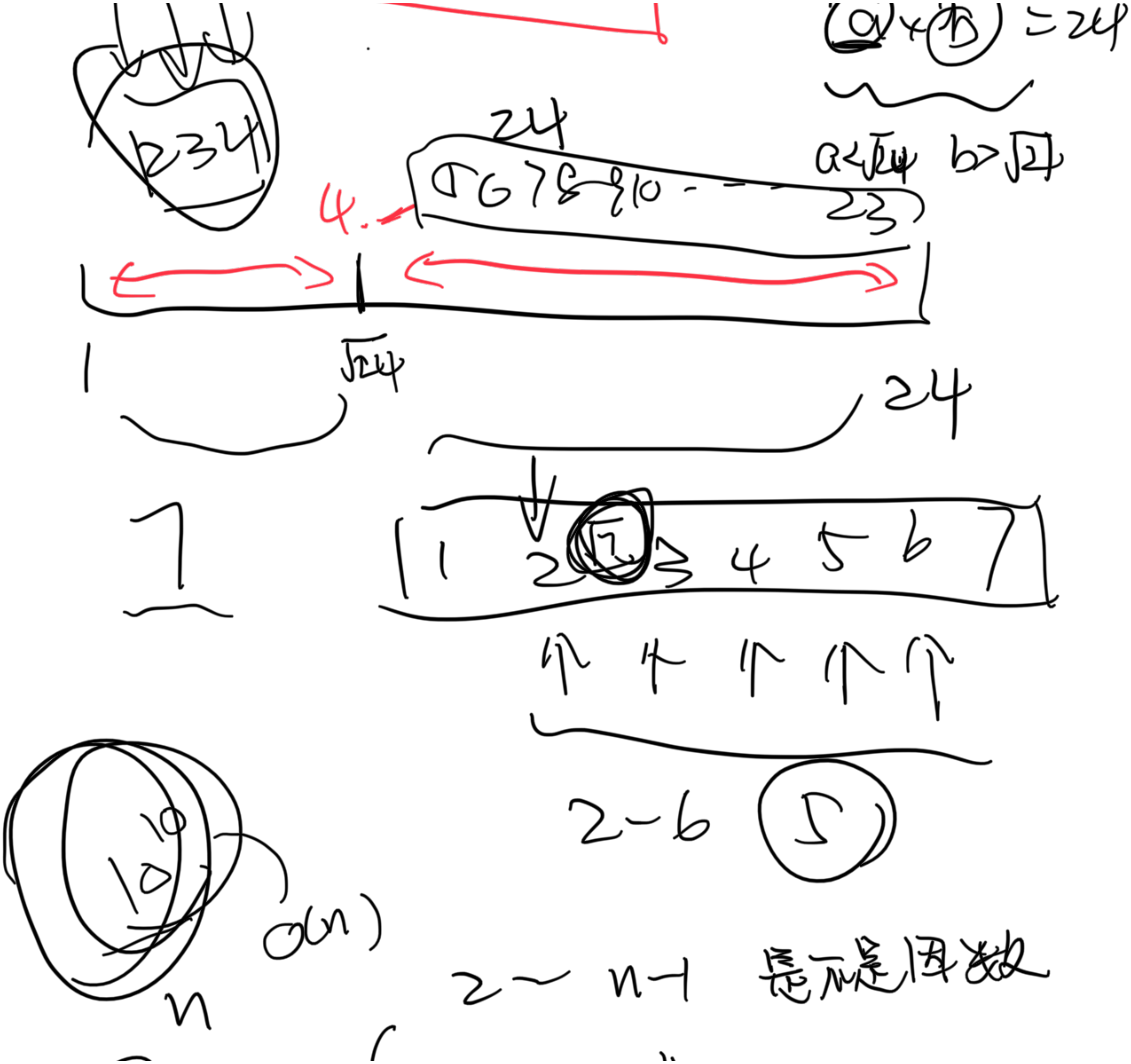
合数：除1和自己外，有其他正因数的数

不是质数的大于1的正整数

24÷3=8…0　24÷8=3…0

3×8=24

$\sqrt{24}\times\sqrt{24}=24$


a × b = 24
a<√24 b>√24
24
2 3 4
5 6 7 8 9 10 ... 23
4
1
√24
24
1 2 3 4 5 6 7
2~6
5
10^10
O(n)
n
2 ~ n-1 是不是因数