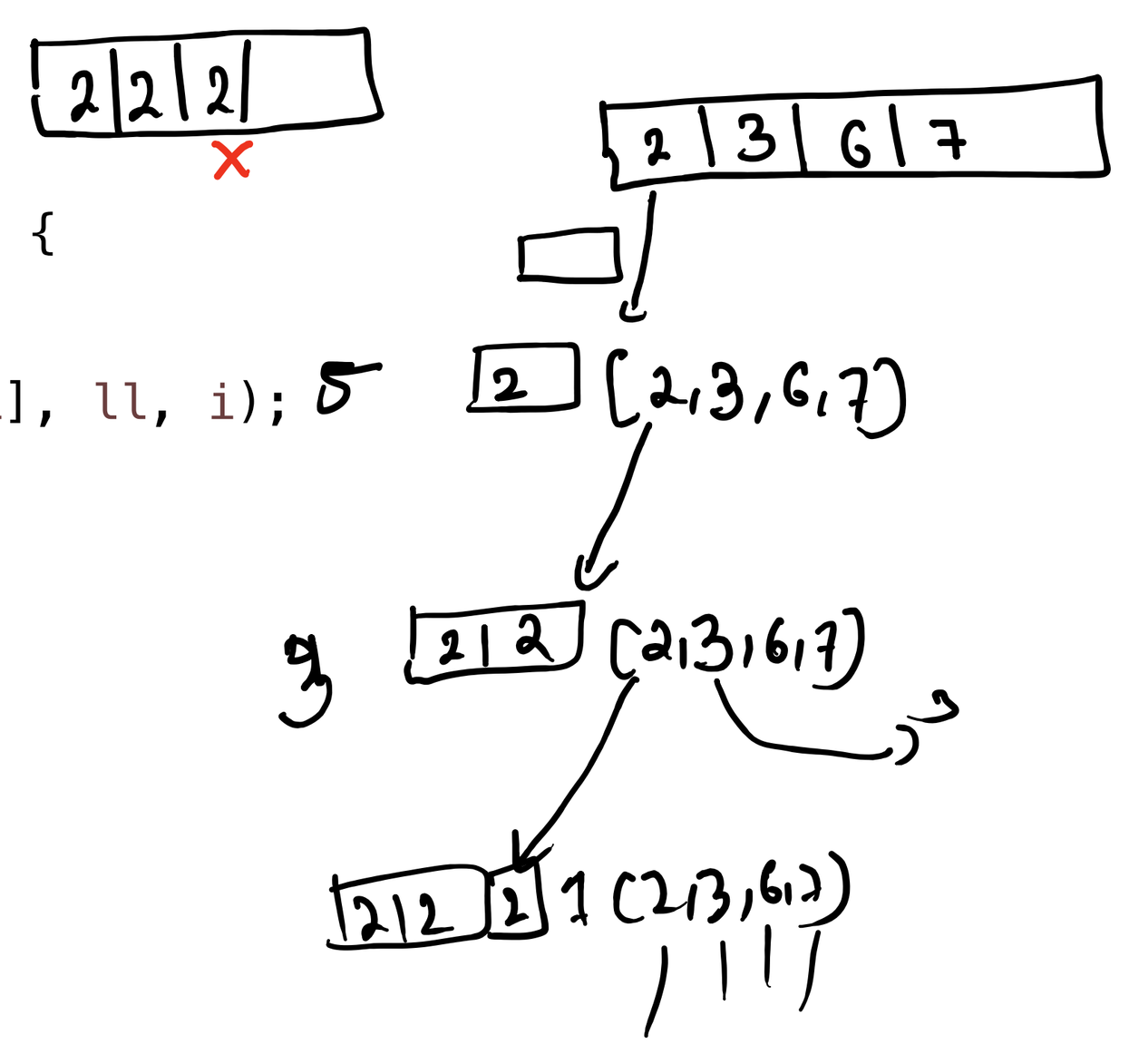
Lec-25

30/01/25 1:57 PM

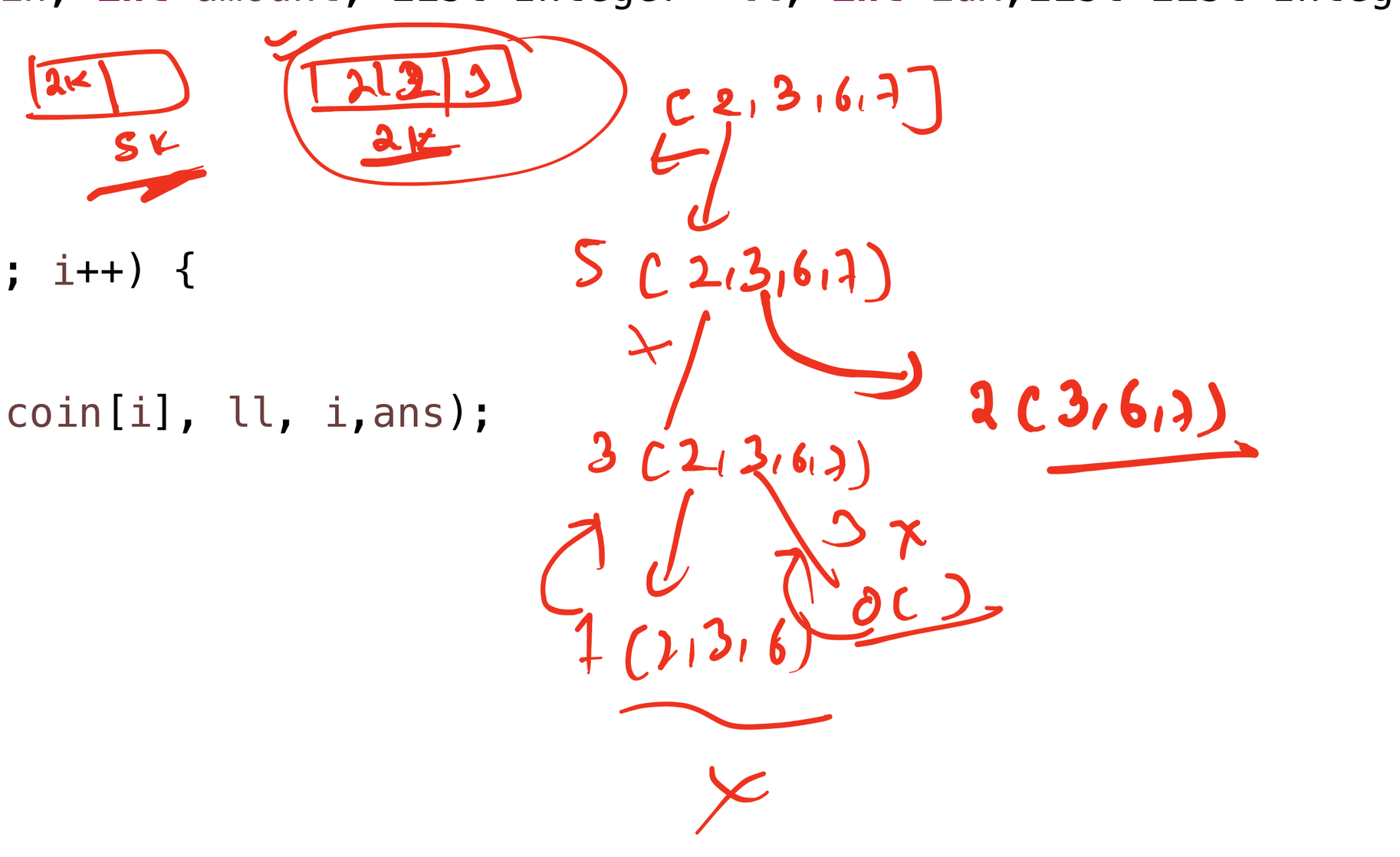
[2, 3, 6, 7] target = 7

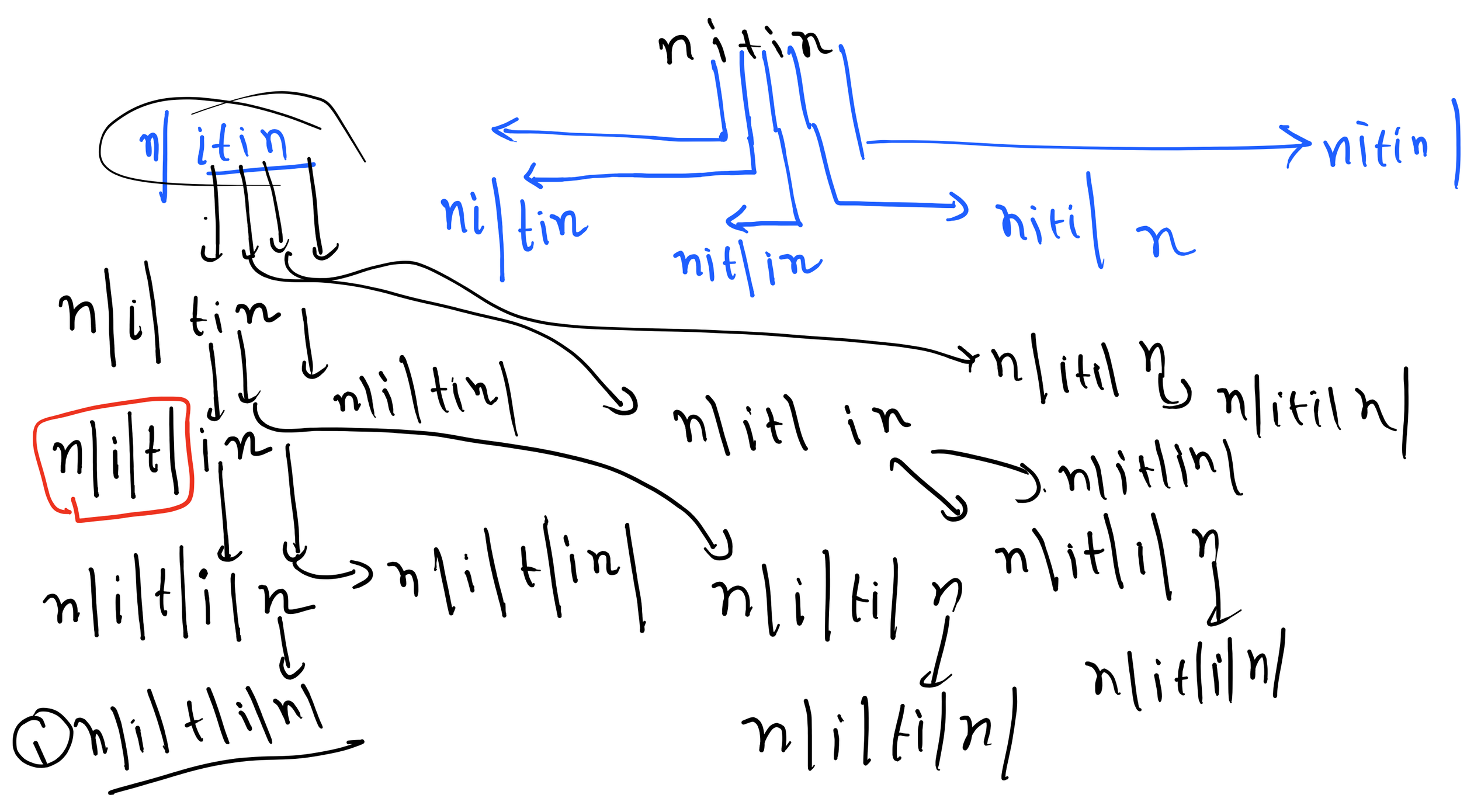
2 2 3 → [[2,2,3],
7 → [7]]

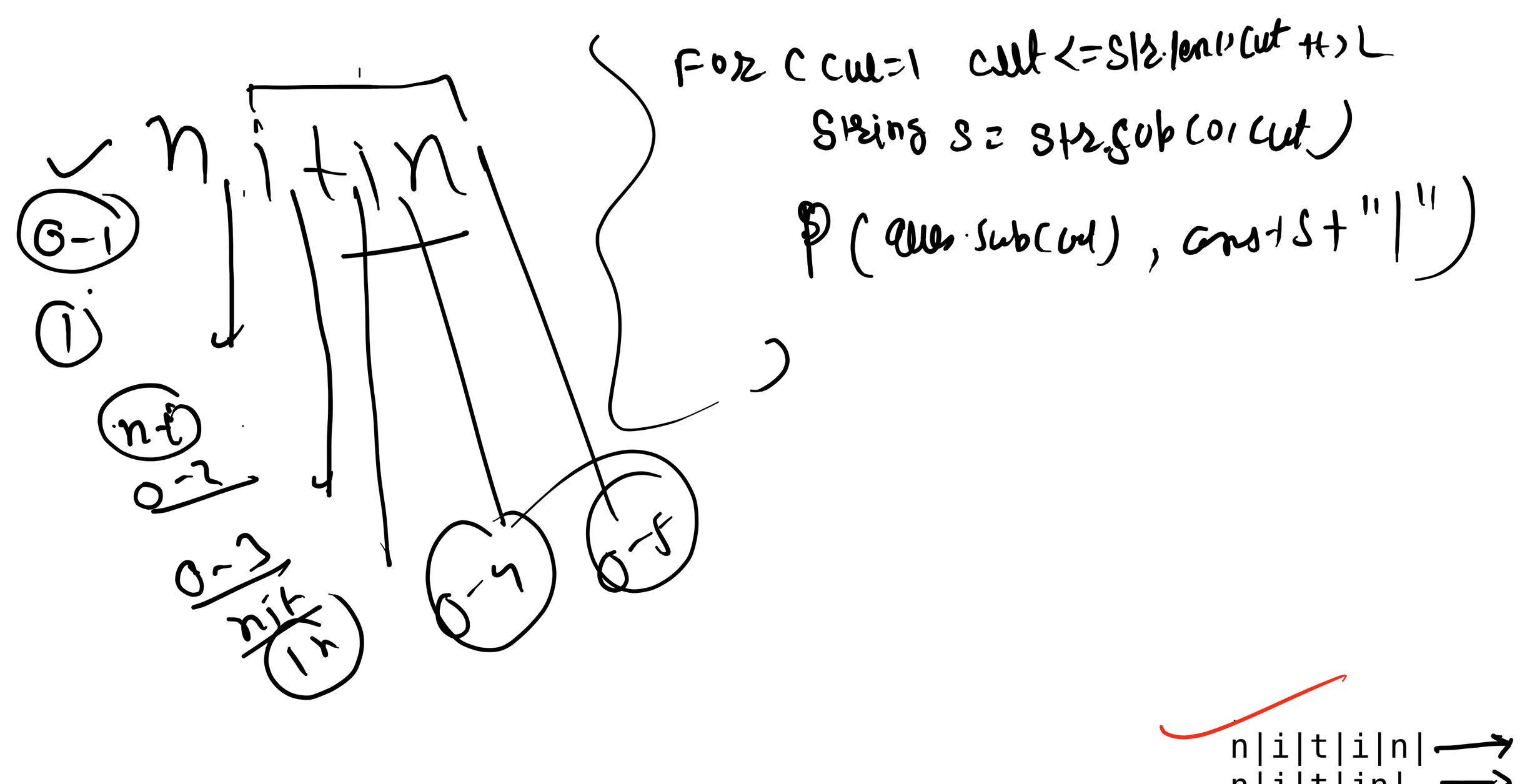
```java
public static void Combination(int[] coin, int amount, List<Integer> ll ,int idx) {
        if (amount == 0) {
            System.out.println(ll);
            return;
        }
        for (int i = idx; i < coin.length; i++) {
            if (amount >= coin[i]) {
                ll.add(coin[i]);
                Combination(coin, amount - coin[i], ll, i);
            }
        }
    }
```

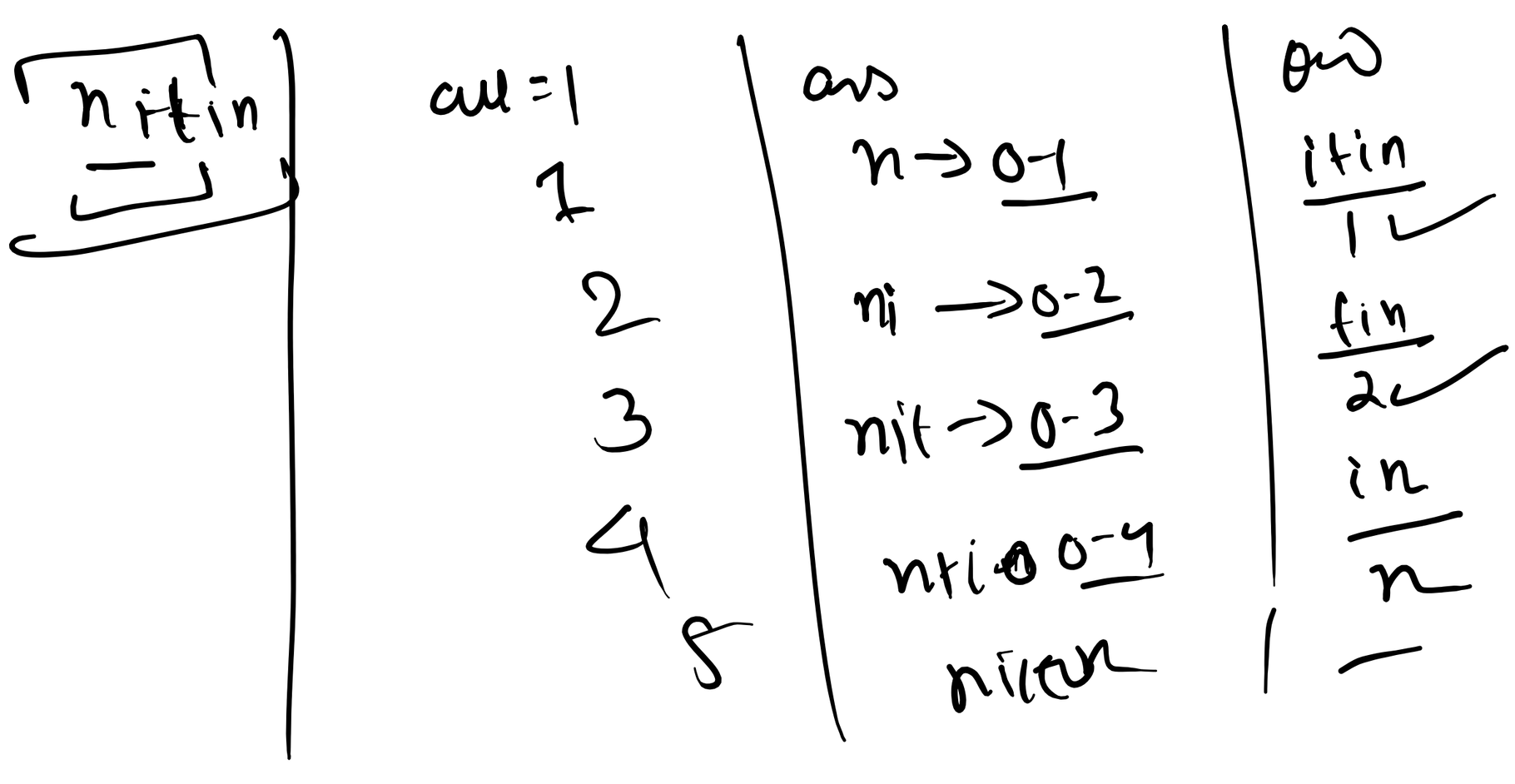


```java
public static void Combination(int[] coin, int amount, List<Integer> ll, int idx,List<List<Integer>> ans) {
        if (amount == 0) {
            //System.out.println(ll);
            ans.add(ll);
            return;
        }
        for (int i = idx; i < coin.length; i++) {
            if (amount >= coin[i]) {
                ll.add(coin[i]);
                Combination(coin, amount - coin[i], ll, i,ans);
                ll.remove(ll.size() - 1);
            }
        }
    }
```

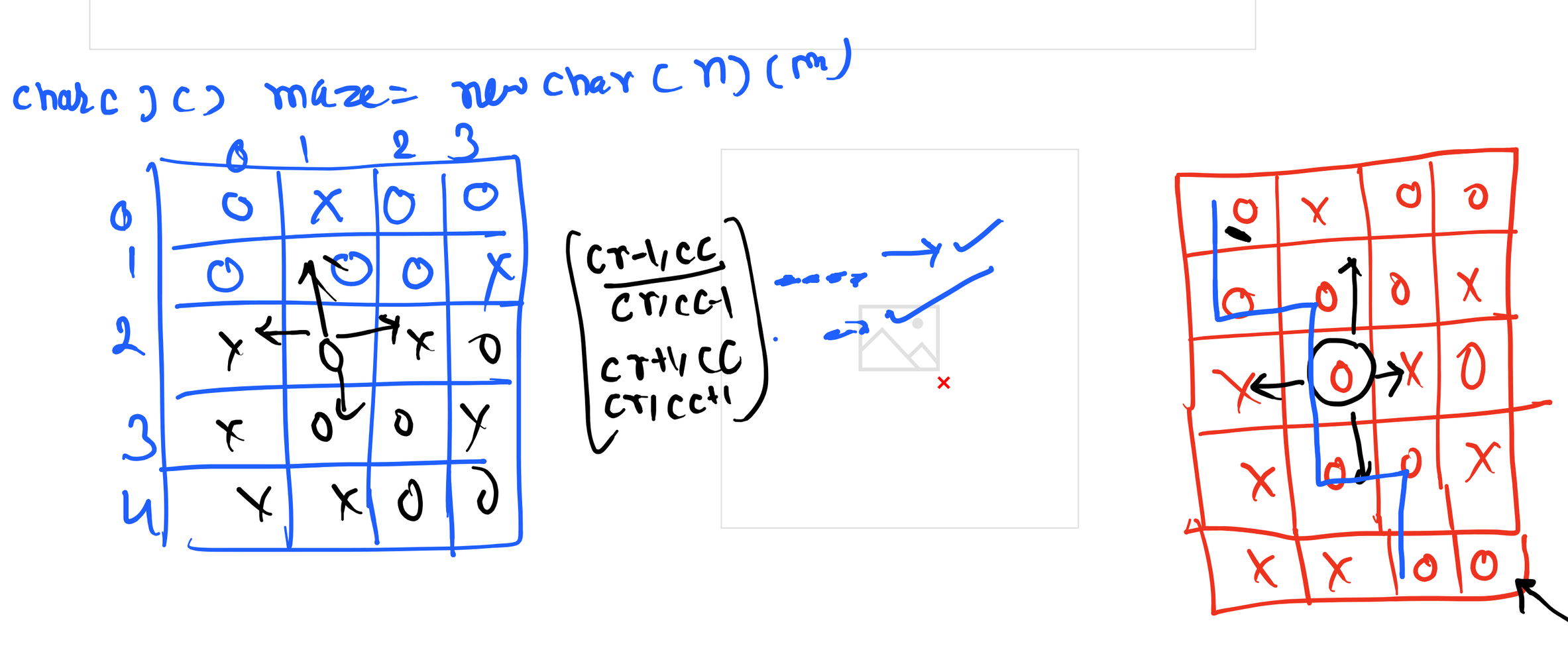








```
n|i|t|i|n|
n|i|t|in|
n|i|ti|n|
n|i|tin|
n|it|i|n|
n|it|in|
n|iti|n|
n|itin|
ni|t|i|n|
ni|t|in|
ni|ti|n|
ni|tin|
nit|i|n|
nit|in|
niti|n|
nitin|
```

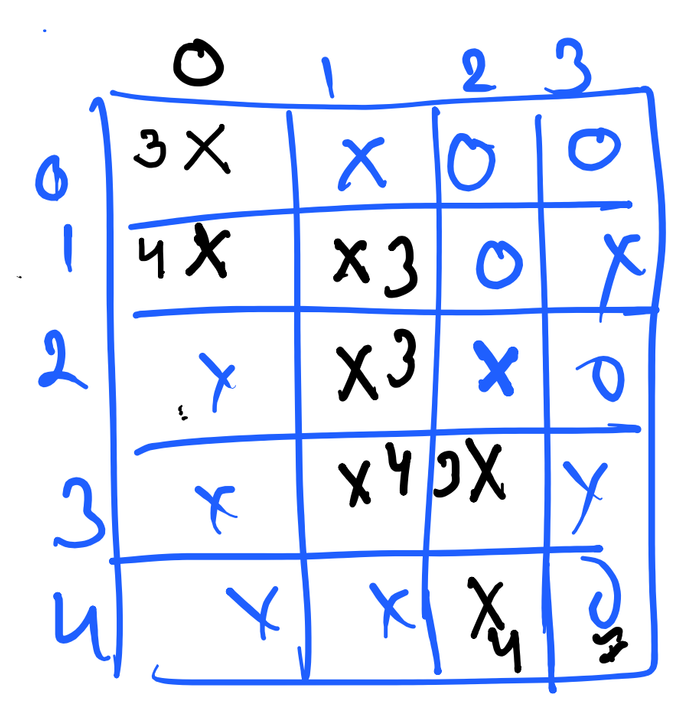


```java
for (int i = 0; i < maze.length; i++) {// row
            String s = sc.next();
        }
```

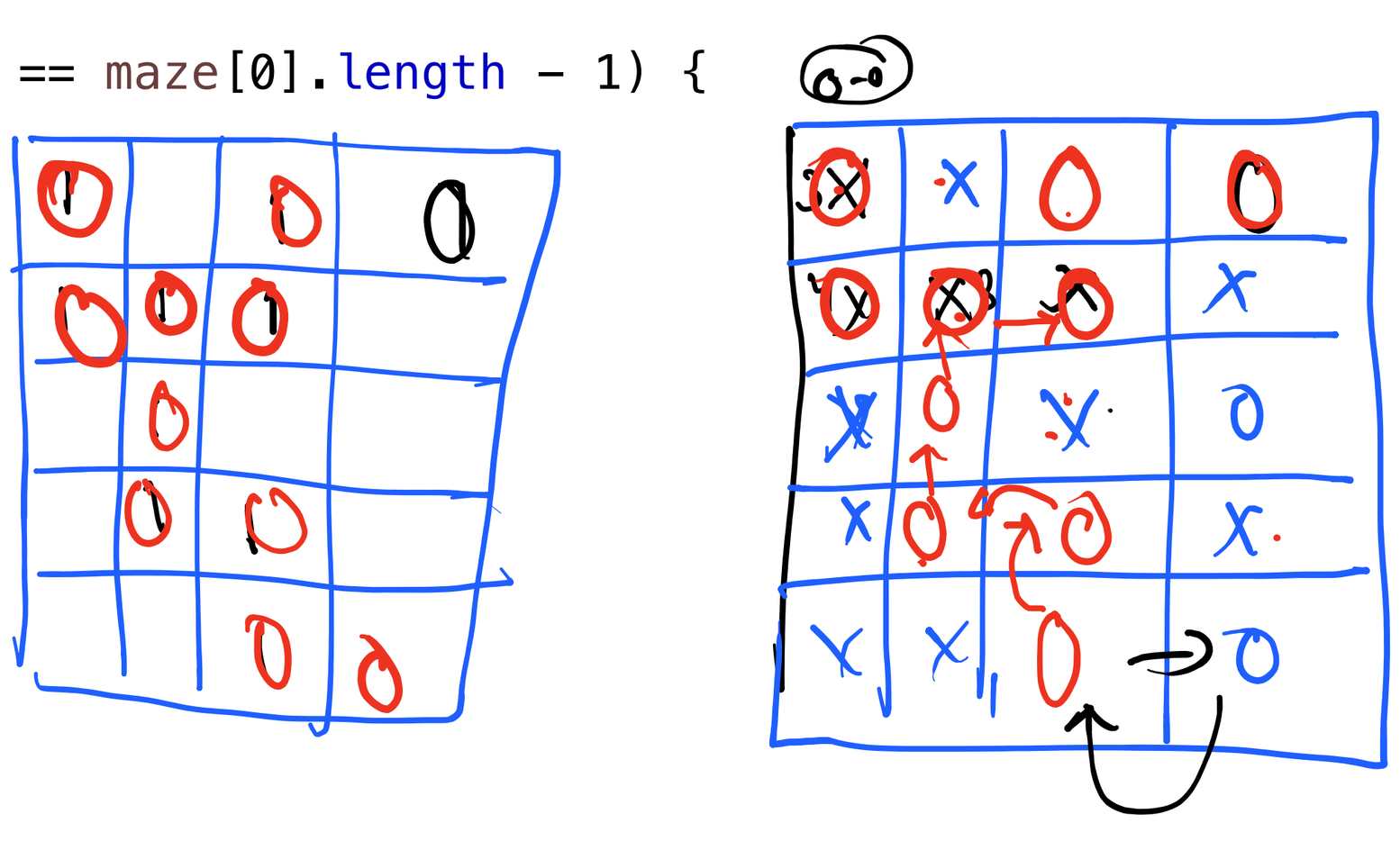
for(j=0 j<s.length() j++)
maze[i][j] = s.charAt(j)

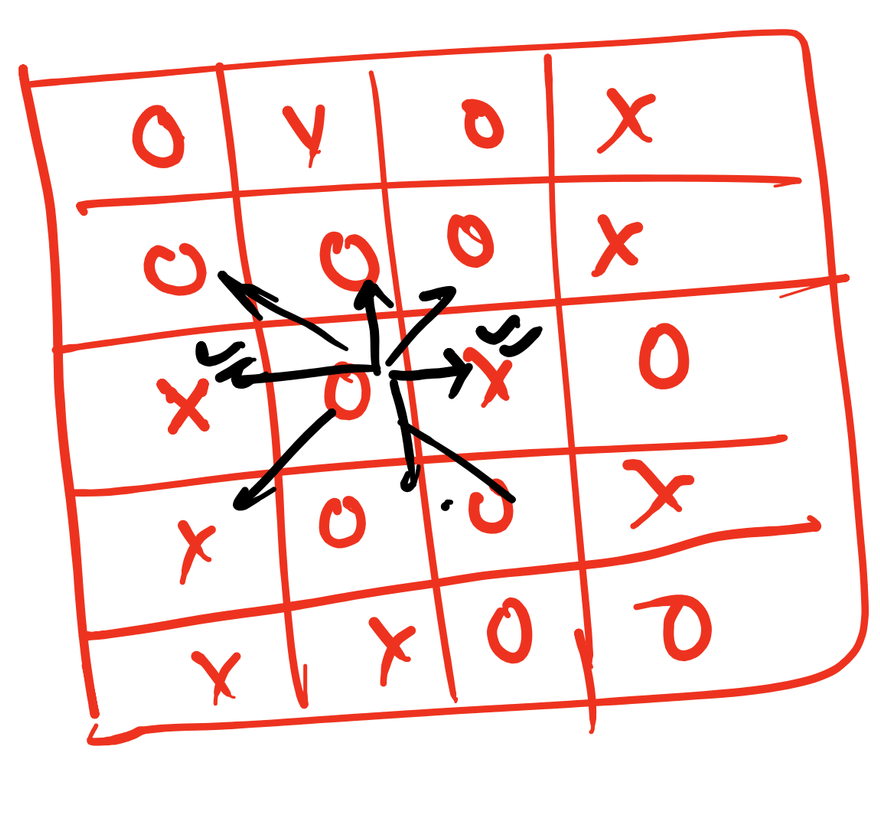
```java
public static void print(char[][] maze, int cr, int cc) {
        if (cr < 0 || cc < 0 || cr >= maze.length || cc >= maze[0].length|| maze[cr][cc]=='X') {
            return;
        }
        maze[cr][cc]='X';
        print(maze, cr - 1, cc);
        print(maze, cr, cc - 1);
        print(maze, cr + 1, cc);
        print(maze, cr, cc + 1);
        maze[cr][cc]='O';

    }
```



```java
public static void print(char[][] maze, int cr, int cc, int[][] ans) {
        if (cr < 0 || cc < 0 || cr >= maze.length || cc >= maze[0].length || maze[cr][cc] == 'X') {
            return;
        }
        if (cr == maze.length - 1 && cc == maze[0].length - 1) {
            display(ans);
        }
        maze[cr][cc] = 'X';
        ans[cr][cc] = 1;
        print(maze, cr - 1, cc, ans);
        print(maze, cr, cc - 1, ans);
        print(maze, cr + 1, cc, ans);
        print(maze, cr, cc + 1, ans);
        maze[cr][cc] = 'O';
        ans[cr][cc] = 0;
    }
```





R = [-1, 0, 0, 1]
C = [0, -1, +1, 0]