## . 529. Minesweeper

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Hint:
   1. DFS
   2. 通过update附近格子进行dfs
   3. 通过子函数计算附近mine数量
class Solution {
  public char[[] updateBoard(char[[] board, int[] click) {
     if(board[click[0]][click[1]] == 'M'){
        board[click[0]][click[1]] = 'X';
        return board;
     else{
        int minenum = count(board, click[0], click[1]);
        if(minenum == 0){
          update(board, click[0], click[1]);
        } else{
          board[click[0]][click[1]] = (char)('0' + minenum);
     return board;
  private int count(char[]] board, int row, int col){
     int num = 0;
     for(int i = row - 1; i \le row + 1; i++){
        for(int j = col - 1; j \le col + 1; j++){
          if(i < 0 \parallel j < 0 \parallel i >= board.length \parallel j >= board[0].length){
             continue;
          if(board[i][j] == 'M'){}
             num++;
     return num;
  private void update(char[]] board, int row, int col){
     if(row < 0 \parallel col < 0 \parallel row >= board.length \parallel col >= board[0].length) \{
     int minenum = count(board, row, col);
     if(board[row][col] == 'E'){
        if(minenum == 0){
          board[row][col] = 'B';
          for(int i = row - 1; i \le row + 1; i++){
             for(int j = col - 1; j \le col + 1; j++){
                update(board, i, j);
        else{
          board[row][col] = (char)('0' + minenum);
```

## • 929. Unique Email Addresses

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. 286. Walls and Gates
Hint:
  1.经典bfs
先修改一个点,加入queue,再继续poll修改
class Solution {
  public void wallsAndGates(int[][] rooms) {
     int[][] direction = new int[][][\{0, 1\}, \{0, -1\}, \{1, 0\}, \{-1, 0\}];
     Queue<int[]> queue = new LinkedList<>();
     for(int row = 0; row < rooms.length; row++){
       for(int col = 0; col < rooms[0].length; col++){
          if(rooms[row][col] == 0){
            queue.add(new int[]{row, col});
     while(!queue.isEmpty()){
       int size = queue.size();
       int[] temp = queue.poll();
       for(int[] dir: direction){
          int row = temp[0] + dir[0];
          int col = temp[1] + dir[1];
          if(row < 0 \mid\mid col < 0 \mid\mid row >= rooms.length \mid\mid col >= rooms[0].length) \{\\
            continue;
          if(rooms[row][col] != Integer.MAX_VALUE){
             continue;
          rooms[row][col] = rooms[temp[0]][temp[1]] + 1;
          queue.add(new int[]{row, col});
```