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## graph-fully-Maximum Number of Fish in a Grid (/contest/biweekly-contest-103/problems/maximum-number-of-fish-in-a-grid/) traversable/)

## **Submission Detail**

3842 / 3842 test cases passed.

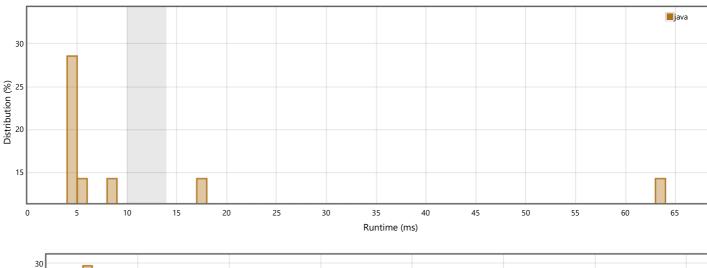
Memory Usage: 43.1 MB

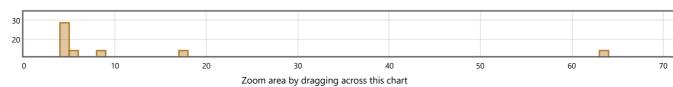
Runtime: 12 ms

Submitted: 12 hours, 39 minutes ago

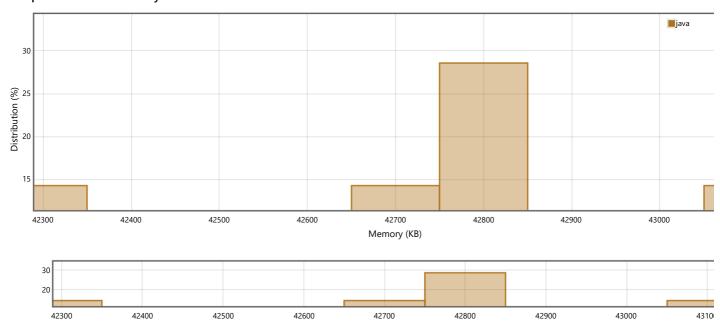
Status: Accepted

## **Accepted Solutions Runtime Distribution**





## **Accepted Solutions Memory Distribution**



Zoom area by dragging across this chart

Invite friends to challenge Maximum Number of Fish in a Grid

2

Submitted Code: 12 hours, 39 minutes ago

Language: java

Edit Code

```
public int findMaxFish(int[][] grid) {
                                    int m = grid.length;
int n = grid[0].length;
int maxFish = 0;
for (int i = 0; i < m; i++) {
    for (int j = 0; j < n; j++) {
        if (grid[i][j] > 0) { // start from water cell
            int fishCount = grid[i][j];
            grid[i][j] = 0; // catch the fish at the current cell
            int[j][ dist = new int[m][n]; // distance from the current cell
            Queue<int[]> queue = new LinkedList<>();
            queue.offer(new int[][i, j]);
            int[][] dirs = {{-1, 0}, {1, 0}, {0, -1}, {0, 1}};
            while (!queue.isEmpty()) {
                 int[] cur = queue.poll();
            }
}
   3
4
5
   6
   8
 10
11
12
13
14
15
16
                                                                                       le (!queue.istmpty()) {
  int[] cur = queue.poll();
  for (int[] dir : dirs) {
    int ni = cur[0] + dir[0];
    int nj = cur[1] + dir[1];
    if (ni >= 0 && ni < m && nj >= 0 && nj < n && grid[ni][nj] > 0 && dist[ni][nj] == 0) {
        fishCount += grid[ni][nj]; // catch the fish at the new cell
        grid[ni][nj] = 0;
        dist[ni][nj] = dist[cur[0]][cur[1]] + 1;
        queue.offer(new int[]{ni. ni});
17
18
19
20
21
22
23
24
25
                                                                                                                  queue.offer(new int[]{ni, nj});
26
27
                                                                                        }
28
29
                                                                            maxFish = Math.max(maxFish, fishCount);
30
                                                                            grid[i][j] = fishCount; // restore the grid
                                                               }
31
32
                                                   }
33
                                      return maxFish;
34
35
                          }
```

Back to problem (/contest/biweekly-contest-103/problems/maximum-number-of-fish-in-a-grid/)

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