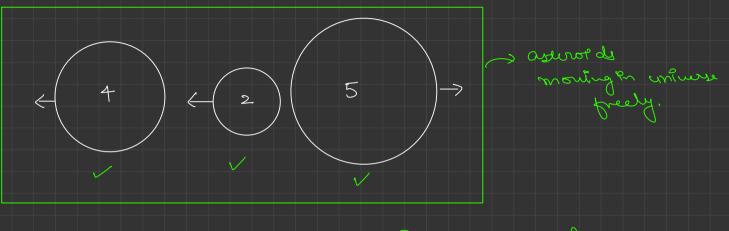


Asteroid Collision collisien ? smaller will get destroyed? ¿ same Size when E collide both voill get destroyed

asteroids[]={ 1, 2, 3, -4, -2, 5, -3}



ony: { -4, -2, 5

Condition of collision

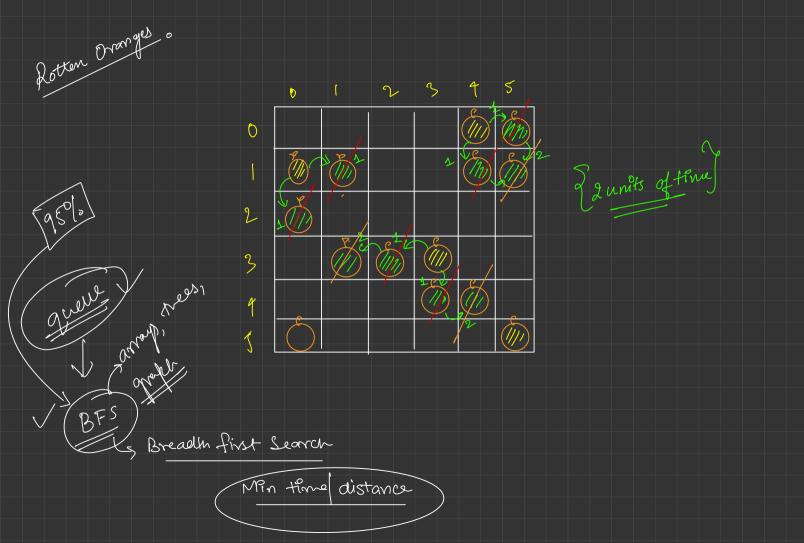




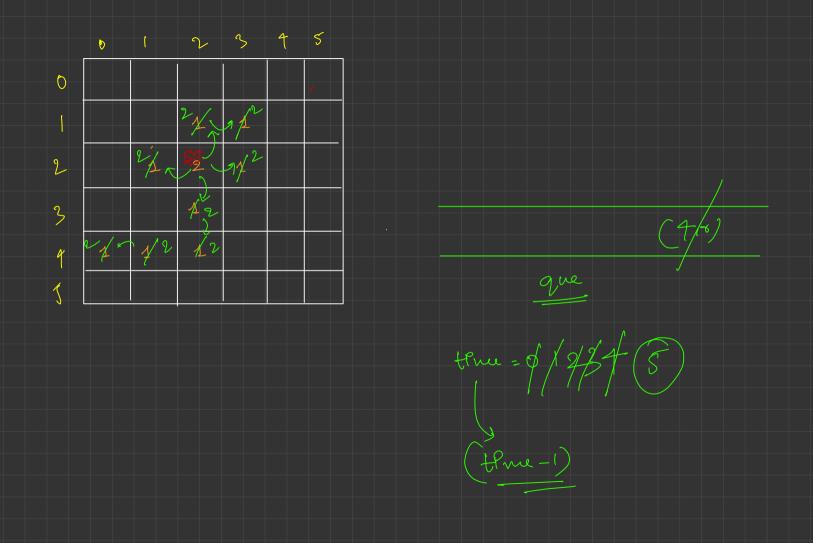




asteroidy []: \(\gamma\) (1,2,3,-4,-2,5,-3) freely moving asterwises



BFS ***



```
While (gue.size() > 0)
   int size = que.size();
   while (size-->0) {
       Pair rpair = que.remove();
      if (rpair.col + 1 < m && grid[rpair.row][rpair.col + 1] == 1) {</pre>
           grid(rpair.row)(rpair.col + 1) = 2;
          gue.add(new Pair(rpair.row, rpair.col + 1));
       // can I rotten someone on bottom
      if (rpair.row + 1 < n && grid[rpair.row + 1][rpair.col] == 1) {</pre>
           grid[rpair.row + 1][rpair.col] = 2;
           que.add(new Pair(rpair.row + 1, rpair.col));
       if (rpair.col - 1 >= 0 && grid[rpair.row][rpair.col - 1] == 1) {
                                                  Change Coding Language
           grid[rpair.row][rpair.col - 1] = 2;
           que.add(new Pair(rpair.row, rpair.col - 1));
       if (rpair.row - 1 >= 0 && grid[rpair.row - 1][rpair.col] == 1) {
           grid[rpair.row - 1][rpair.col] = 2;
           que.add(new Pair(rpair.row - 1, rpair.col));
                                                                                                             size = $ $ 0
                                                                                  level = X
   level++;\
                                  thue = level -1 = 3-1-(2
```

Stidling window Maximum art] = { 1,3,-1, -3,5,3,6,7 K=3 Boute force C:0(N * K) for(inti-0',i2nt; 1-ex) SC: OCI) [for (1-+ j=i; j<ifk; j++)

nger = { 1, 4, 4, 4, 6, 6, 7, 8} art] = { 0 1 2 3 4 8 6 7 } 1,3,-1,-3,5,3,6,7 } [] 3 , 5 , 5 , 6 , 7]

K=3

```
static int[] SlidingWindowMaximum(int N, int K, int[] arr){
   // write code here
    int[] ngeri = nextGreaterElementOnRightIndexwise(arr, N);
   int[] ans = new int[N - K + 1];
    return ans:
```

$$K=3$$
 $N=8$
 $N=8$

K=3 arr[]: