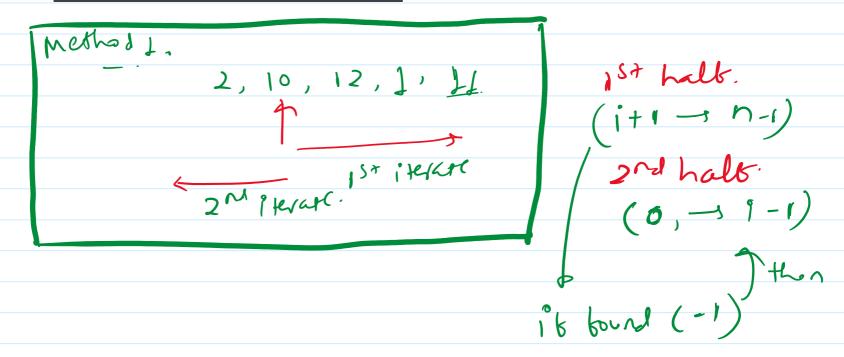
New Greatest element - I'm

Example

om =
$$[2, 10, 12, 1, 11]$$



method -2 jupothetially pouble the cylay?

 $am = \begin{bmatrix} 2 & 10 & 12 & 1 & 11 \end{bmatrix} \begin{bmatrix} 2 & 10 & 12 & 1 & 11 \\ 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \end{bmatrix}$

(Grester as array)

- DON'T Actually double the applian but Show like

How to Fleratet for flypothesis array

-0; [(1+1) % n)

and iteration for n time.
it don't get

```
public int[] nextGreaterElements(int[] nums) {
                                         logic is used to solve 9+
   int[] ans=new int[nums.length];
   Arrays.fill(ans,-1);
                                             Concer of Hypothic Rejecting
                                             element, with having
   for(int i=0;i<nums.length;i++){</pre>
      int idx=(i+1)%nums.length;
                                             element size is 'm'
      for(int j=1;j<nums.length;j++){</pre>
         if(nums[idx]>nums[i]){
            ans[i]=nums[idx];
            break;
         idx=(idx+1)%nums.length;
                                              8 Difflence only in
   return ans;
                                                      the Balancing of PdX
    ngelnj
                                                      TC-O(N2)
                                                       S(-0(W)
          \int_{S} \left( j = i + i \longrightarrow i + N - 1 \right)
                if (arr sind ) > our sil)

nge sil =our sind], break
                             -10= -70(N)
                                                         > take typothesis element
                                                                 Not inside the.
                                                              Array, NOT STOVE
                                                               the element ...
```

```
bist (int) for dwin E (am 15)

nge {n] stack st

fin (i = 2m - 1 -> 0)

while (! st. complan() ) { st. top () (= am [iy. N])

st. pop() -> 2m

st. pop() -> 2m

if [i c n)

if [i c n)

st. pouh (am [iy. N)];

st. pouh (am [iy. N)];

neth nge

neth nge
```

TC- OC4N) &- OQN)+O(N)

```
public int[] nextGreaterElements(int[] nums) {
   int[] ans=new int[nums.length];
   Stack<Integer> stack=new Stack<>();
   int n=nums.length;

   for(int i=(2*n)-1;i>=0;i--){

      while(!stack.isEmpty() && nums[i%n]>=stack.peek())
      stack.pop();

      if(i<n){
         ans[i]=stack.isEmpty()?-1:stack.peek();
      }
      stack.push(nums[i%n]);
}

   return ans;
}</pre>
```