④ How many times an array has been rotated?
Return idx of min. element. search using binary search.

```
int    countRotations (int [] a, int low, int high) {
       if (high < low) return 0;        → no rotations

       if (low == high) return low;     → only one element
       int mid = (low + high)/2;  → mid                left.
       if (mid < high && a[mid+1] < a[mid]) return mid+1

       if (mid > low && a[mid] < a[mid-1])   → mid is mir
             return mid;

       if (a[high] > a[mid])
             return countRotations (a, ~~low~~, ~~mid high~~);
                                          low   mid-1

       return countRotations (a, mid+1, high);

}
```

mid+1 is minimum ⟵

Go left → or right.

Tip: To find the minimum element itself, return value at the idx.