Binary Search (log_2 n)

```
Start
```

```
lowIdx = 0;
highIdx =
items.length - 1;
```

lowIdx <= highIdx — yes → midIdx= Math.floor((lowIdx + highIdx) / 2) → items[midIdx] === item — no → items[midIdx] > item — no → items[midIdx]< item

no (from lowIdx <= highIdx) → return null

yes (from items[midIdx] === item) → return midIdx

yes (from items[midIdx] > item) → highIdx = items[midIdx] -1

yes (from items[midIdx]< item) → lowIds = items[mid] + 1

```
End
```