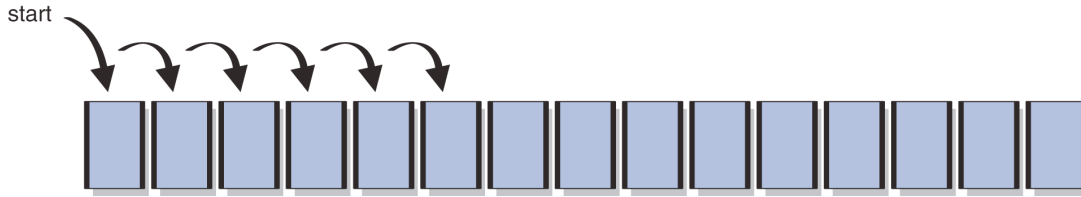


LESSON 41 NOTES

Linear/Sequential Search

Look at each element in turn, starting with the first, until we find the element we are looking for.



Binary Search

- **Precondition:** Array is **SORTED** (smallest → largest)

- **Logic:**

```
if(element you're looking for < middle element)
    check first half of array for element
else
    check second half of array for element
```

```
repeat above logic for first half of array
repeat steps 1 and two until the element is found
```

