Binary Search

Best	Average	Worst
O (1)	O (log n)	O (log n)

Array

Divide and Conquer

```
search (A, t)
1.    low = 0
2.    high = n –1
3.    while (low ≤ high) do
4.       ix = (low + high)/2
5.       if (t = A[ix]) then
6.             return true
7.       else if (t < A[ix]) then
8.             high = ix – 1
9.       else low = ix + 1
10.   return false
end
```