Input: Sorted array, size of array and element to search for
Output: Index of element in array if found, or -1

```
procedure BINARY_SEARCH(A, n, e)
    L ← 0
    R ← n − 1
    while L ≤ R do
        m ← ⌊(L + R)/2⌋
        if A[m] = e then return m
        else if A[m] < e then
            l ← m + 1
        else
            r ← m − 1
    return −1
```