

CSCI 432

Brock Ellefson, Seth Sebevera, Yue Hou

September 27, 2017

1 Pseudo-Code(With Seth and Jake)

Algorithm: Binary Search

Input: Desired Value to search for

Output: True or False

max = last element in array

min = 0

```
while min <= max do
  mid = max + min / 2
  if array[mid].value == desired value then
    return true
  else if array[mid].value < desired value then
    min = mid + 1
  else
    max = mid - 1
  end if
end while
return false
```