BINARY\_SEARCH(Array,high,low)

List 🡨 Array

Mid 🡨 (List[0] + (length(List)-1)) / 2

If Mid = high then

Return False

If (Mid >= low) and (Mid <= high) then

Return True

Else

If Mid < low then

newList 🡨 List[Mid:]

Return BINARY\_SEARCH(newList,high,low)

Else

newList 🡨 List[:Mid]

Return BINARY\_SEARCH(newList,high,low)