10/9/2019

main
return true
value = 34
found = true
main

Search call 1
return false

found = false
A[mid] = 13
mid = 4
end = 9
start = 0
value = 34
data
Search call 1

Search call 2
return false

found = false
A[mid] = 55
mid = 7
end = 9
start = 5
value = 34
data

found = false
A[mid] = 13
mid = 4
end = 9
start = 0
value = 34
data
Search call 2

Search call 3
return false

found = false
A[mid] = 21
mid = 6
end = 5
start = 5
value = 34
data

found = false
A[mid] = 55
mid = 7
end = 9
start = 5
value = 34
data

found = false
A[mid] = 13
mid = 4
end = 9
start = 0
value = 34
data
Search call 3

Search call 4
return false

found = true
A[mid] = 34
mid = 6
end = 6
start = 6
value = 34
data

found = false
A[mid] = 21
mid = 6
end = 5
start = 5
value = 34
data

found = false
A[mid] = 55
mid = 7
end = 9
start = 5
value = 34
data

found = false
A[mid] = 13
mid = 4
end = 9
start = 0
value = 34
data
Search call 4

Stack

data
{2,3,5,8,21,
34,55,89,144}

data
{2,3,5,8,21,
34,55,89,
144}

data
{2,3,5,8,21,
34,55,89,
144}

data
{2,3,5,8,21,
34,55,89,
144}

global

data
{2,3,5,8,21,
34,55,89,144}

heap