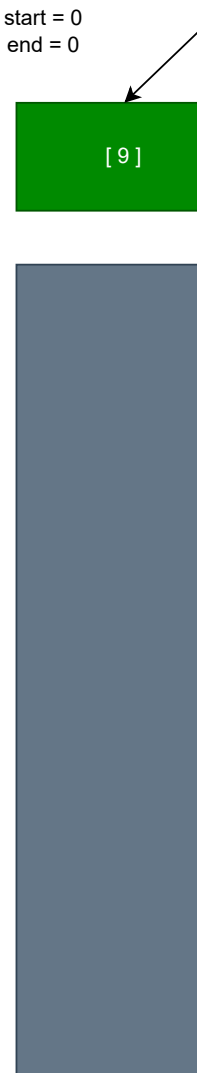
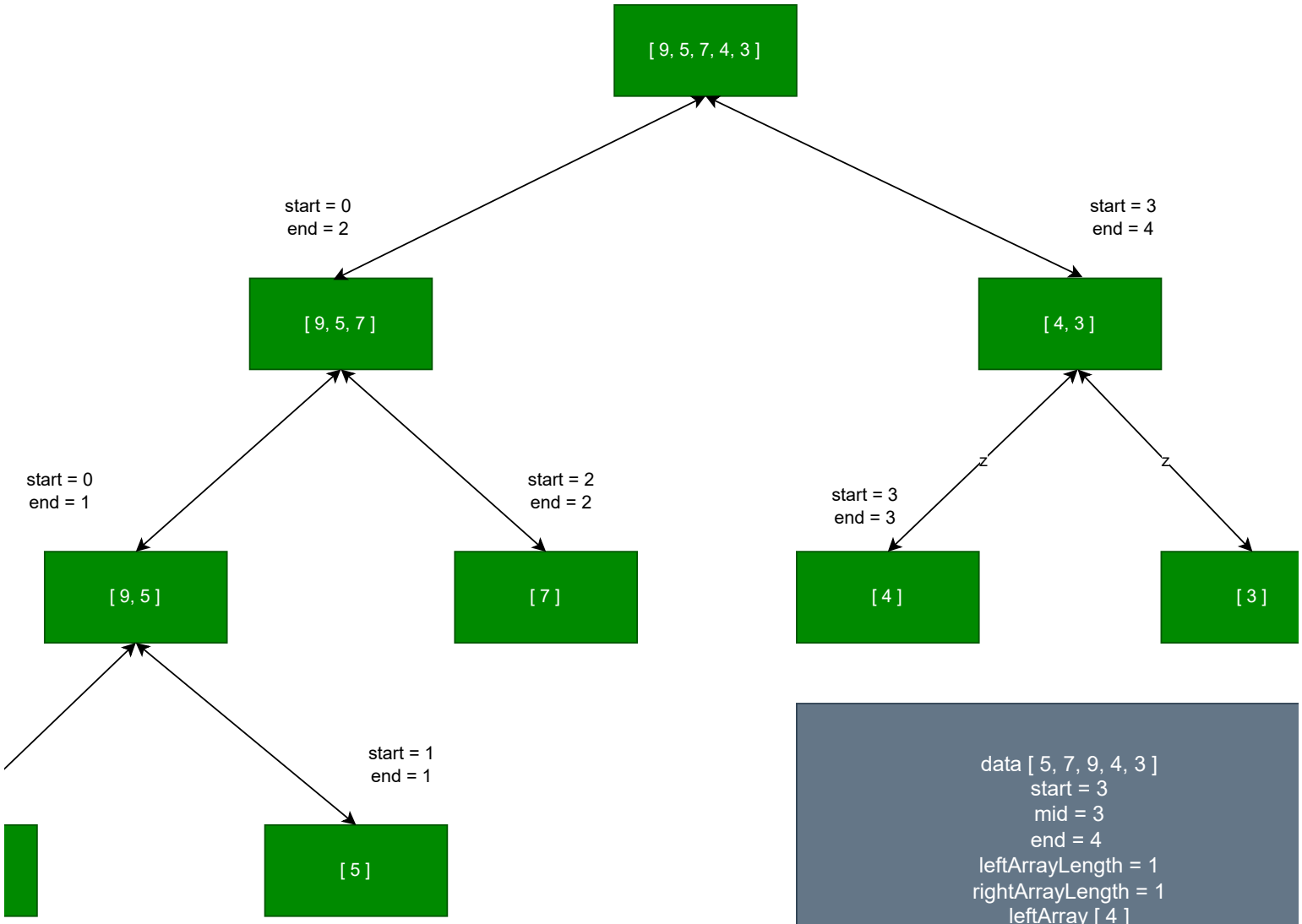
mid = 2

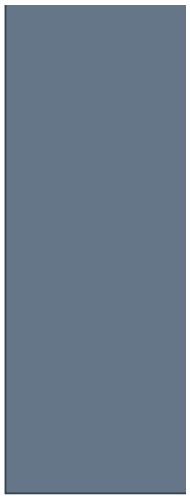

start = 0
end = 0
[9]



data [9, 5, 7, 4, 3]
start = 0
mid = 0
end = 1
leftArrayLength = 1
rightArrayLength = 1
leftArray [9]
rightArray [5]
k = start = 0
data [5, 5, 7, 4, 3]
i = 0
j = 1
k = 1
data [5, 9, 7, 4, 3]
i = 1
j = 1
k = 2
****
data [5, 9, 7, 4, 3]
start = 0
mid = 1
end = 2
leftArrayLength = 2
rightArrayLength = 1
leftArray [5, 9]

data [5, 7, 9, 4, 3]
start = 3
mid = 3
end = 4
leftArrayLength = 1
rightArrayLength = 1
leftArray [4]
rightArray [3]
k = start = 3
data [5, 7, 9, 3, 3]
i = 0
j = 1
k = 4
data [5, 7, 9, 3, 4]
i = 1
j = 1
k = 5

start = 4
end = 4



rightArray [7]
k = start = 0
data [5, 9, 7, 4, 3]
i = 1
j = 0
k = 1
data [5, 7, 7, 4, 3]
i = 1
j= 1
k = 2
data [5, 7, 9, 4, 3]
i = 2
j = 1
k = 3

data [5, 7, 9, 3, 4]
start = 0
mid = 2
end = 4
leftArrayLength = 3
rightArrayLength = 2
leftArray [5, 7, 9]
rightArray [3, 4]
k = start = 0
data [3, 7, 9, 3, 4]
i = 0
j = 1
k = 1
data [3, 4, 9, 3, 4]
i = 0
j = 2
k = 2
data [3, 4, 5, 3, 4]
i = 1
j = 2
k = 3
data [3, 4, 5, 7, 4]
i = 2
j = 2
k = 4
data [3, 4, 5, 7, 9]
i = 3
j = 2
k = 5